Autumn 1			Yea	ar 9			
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (SMS)	X4 (AEC)	
Week 1 (w/b Wed 7 th Sep)	Lesson 1: 1.1.1 – Intro to forces, what are forces, what do forces do?	Lesson 1: Acids and Alkalis Project Lesson 1 – Hypothesis and Demo	Lesson 1: 9.4.1 Photosynthesis	Lesson 1: Acids and Alkalis Project Lesson 1 – Hypothesis and Demo Lesson 2: Acids and Alkalis Project Lesson 2 – Planning and Writing a method Lesson 3: Acids and Alkalis Project Lesson 3 – Results table	Lesson 1: 1.1.1 – Intro to forces, what are forces, what do forces do? Lesson 2: 1.1.1 – Intro to forces, Force diagrams, force arrows	Lesson 1: Acids and Alkalis Project Lesson 1 – Hypothesis and Demo	
Key Words <mark>Level 2</mark> Level 3	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	Identify, control, explain, compare Photosynthesis, chloroplast, chlorophyll, limiting factor, palisade cell, stomata	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	
Common Misconceptions	Objects which have a constant/steady speed don't have balanced forces acting upon them.	Pupils tend to be unclear about which variable is which	That plants only photosynthesize (respiration is 24hrs) The hotter it is the more photosynthesis is done (stomata close and xerophytic adaptations in extreme conditions)	hotosynthesize Pupils tend to be unclear about Objects speed of e more done (stomata vtic adaptations in ns) Pupils tend to be unclear about Objects which variable is which acting unclear about objects speed of acting unclear about Objects acting unclear about Objects speed of acting unclear about Objects acting unclear abo		Pupils tend to be unclear about which variable is which	
Homework	Activelearn task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Activelearn task suitable to ability of group.	Kerboodle task suitable to ability of group.	
Assessment this half-term	1a Forces Test	W/b 17 th Oct - Working Scientifically Project		W/b 17 th Oct - Working Scientifically Project W/b 17 th Oct - 1a Forces Test	1a Forces Test	W/b 17 th Oct - Working Scientifically Project	
Career opportunities Employment Links	LIFE SKILLS: Understanding how different forces are used in everyday activities EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding the conditions needed for plants to grow EMPLOYMENT: Framing, horticulture, agriculture, botany	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding how different forces are used in everyday activities EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	
IT Skills	IT2: Kerboodle homework	involve homework IT1 & IT2: Using google for research and cameras to photograph practical work for final reports		IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	IT2: Kerboodle homework	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	
	X1 (DHN)	X1 (CRE)	X1 (JAD)	x2/x3/x5	X4 (SMS)	X4 (AEC)	
Week 2 (w/b 12 th Sep)	X1 (DHN) X1 (CRE) Lesson 1: 1.1.1 – Intro to forces, Lesson 1: Acids and Alkalis Project Force diagrams, force arrows Lesson 2 – Planning and Writing a method method		Lesson 1: 9.4.1 Photosynthesis (starch testing leaves) Lesson 1: Acids and Alkalis Project Lesson 4 – Perform experiment Lesson 2: Acids and Alkalis Project Lesson 5 – Perform experiment Lesson 3: Acids and Alkalis Project Lesson 6 – Calculate means, Graph		Lesson 1: 1.1.1 – Intro to forces, Contact and Non-contact forces Lesson 2: 1.1.2 – Balanced and Unbalanced forces	Lesson 1: Acids and Alkalis Project Lesson 2 – Planning and Writing a method	

Key Words Level 2 Level 3	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	Identify, control, explain, compare Photosynthesis, chloroplast, chlorophyll, limiting factor, palisade cell, stomata	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	
Common Misconceptions	Objects which have a constant/steady speed don't have balanced forces acting upon them.	Pupils tend to be unclear about which variable is which	That plants only photosynthesize (respiration is 24hrs) The hotter it is the more photosynthesis is done (stomata close and xerophytic adaptations in extreme conditions)	Pupils tend to be unclear about which variable is which	Objects which have a constant/steady speed don't have balanced forces acting upon them.	Pupils tend to be unclear about which variable is which	
Homework	Activelearn task suitable to ability	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Activelearn task suitable to ability	Kerboodle task suitable to ability of	
Assessment this half-term	1a Forces Test	group. W/b 17 th Oct - Working Scientifically Project	group.	W/b 17 th Oct - Working Scientifically Project W/b 17 th Oct - 1a Forces Test	1a Forces Test	group. W/b 17 th Oct - Working Scientifically Project	
Career opportunities Employment Links	LIFE SKILLS: Understanding how different forces are used in everyday activities EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding the conditions needed for plants to grow EMPLOYMENT: Framing, horticulture, agriculture, botany	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding how different forces are used in everyday activities EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	
IT Skills	IT2: Kerboodle homework	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	IT2: Kerboodle homework	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	IT2: Kerboodle homework	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	
	X1 (DHN)	X1 (CBE)	X1 (IAD)	x2/x3/x5	X4 (SMS)	X4 (AFC)	
Week 3 (w/b 19 th Sep)	Lesson 1: 1.1.1 – Intro to forces, Contact and Non-contact forces	Lesson 1: Acids and Alkalis Project Lesson 3 – Results table	Lesson 1: 9.4.2 Stomata (nail varnish underside leaf practical)	Lesson 1: Acids and Alkalis Project Conclusion, Evaluation Lesson 2: Buffer lessons – in event of missing lessons during week 1 Lesson 3: Buffer lessons – in event of missing lessons during week 1	Lesson 1: 1.1.2 – Balanced and Unbalanced forces Lesson 2: 1.1.3 – Speed	Lesson 1: Acids and Alkalis Project Lesson 3 – Results table	
Key Words <mark>Level 2</mark> Level 3	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	Identify, control, explain, compare Photosynthesis, chloroplast, chlorophyll, limiting factor, palisade cell, stomata	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH, buffer	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	
Common Misconceptions	Objects which have a constant/steady speed don't have balanced forces acting upon them.	Pupils tend to be unclear about which variable is which	That plants only photosynthesize (respiration is 24hrs)	Pupils tend to be unclear about which variable is which	Objects which have a constant/steady speed don't have balanced forces acting upon them.	Pupils tend to be unclear about which variable is which	

			The hotter it is the more photosynthesis is done (stomata			
			extreme conditions)			
Homework	Activelearn task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Activelearn task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	1a Forces Test	W/b 17 th Oct - Working Scientifically Project		W/b 17 th Oct - Working Scientifically Project W/b 17 th Oct - 1a Forces Test	1a Forces Test	W/b 17 th Oct - Working Scientifically Project
Career opportunities Employment Links	LIFE SKILLS: Understanding how different forces are used in everyday activities EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding the conditions needed for plants to grow EMPLOYMENT: Framing, horticulture, agriculture, botany	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding speed and braking distances EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist
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IT Skills	IT2: Kerboodle homework	IT1 & IT2 : Using google for research and cameras to photograph practical work for final	IT2: Kerboodle homework	IT1 & IT2 : Using google for research and cameras to photograph practical work for final	IT2: Kerboodle homework	IT1 & IT2: Using google for research and cameras to photograph practical work for final
		reports		reports		reports
						reports
	X1 (DHN)	X1 (CRE)	X1 (JAD)	x2/X3/X5	X4 (SMS)	X4 (AEC)
Week 4 (w/b 26 th Sep)	X1 (DHN) Lesson 1: 1.1.2 – Balanced and Unbalanced forces	X1 (CRE) Lesson 1: Acids and Alkalis Project Lesson 4 – Perform experiment	X1 (JAD) Lesson 1: 9.4.3 Investigating photosynthesis (full write up)	X2/X3/X5 Lesson 1: 1.1.1 – Intro to forces, what are forces, what do forces do? Lesson 2: 1.1.1 – Intro to forces, Force diagrams, force arrows Lesson 3: 1.1.1 – Intro to forces, Contact and Non-contact forces	X4 (SMS) Lesson 1: 1.1.4 – Distance-time graphs Lesson 2: 1.1.4 – Distance-time graphs	Yeports X4 (AEC) Lesson 1: Acids and Alkalis Project Lesson 4 – Perform experiment
Week 4 (w/b 26 th Sep) Key Words Level 2 Level 3	X1 (DHN) Lesson 1: 1.1.2 – Balanced and Unbalanced forces Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton	Y1 (CRE) Lesson 1: Acids and Alkalis Project Lesson 4 – Perform experiment Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	X1 (JAD) Lesson 1: 9.4.3 Investigating photosynthesis (full write up) Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Photosynthesis, chloroplast, chlorophyll, limiting factor, palisade cell, stomata	X2/X3/X5 Lesson 1: 1.1.1 – Intro to forces, what are forces, what do forces do? Lesson 2: 1.1.1 – Intro to forces, Force diagrams, force arrows Lesson 3: 1.1.1 – Intro to forces, Contact and Non-contact forces Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton	X4 (SMS) Lesson 1: 1.1.4 – Distance-time graphs Lesson 2: 1.1.4 – Distance-time graphs Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton, speed, displacement, acceleration	reports X4 (AEC) Lesson 1: Acids and Alkalis Project Lesson 4 – Perform experiment Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH
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Week 4 (w/b 26 th Sep) Key Words Level 2 Level 3 Common Misconceptions	X1 (DHN) Lesson 1: 1.1.2 – Balanced and Unbalanced forces Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton Objects which have a constant/steady speed don't have balanced forces acting upon them.	Kerboodle task suitable to ability of	X1 (JAD) Lesson 1: 9.4.3 Investigating photosynthesis (full write up) Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Photosynthesis, chloroplast, chlorophyll, limiting factor, palisade cell, stomata That plants only photosynthesize (respiration is 24hrs) The hotter it is the more photosynthesis is done (stomata close and xerophytic adaptations in extreme conditions) Kerboodle task suitable to ability of	Y2/X3/X5 Lesson 1: 1.1.1 – Intro to forces, what are forces, what do forces do? Lesson 2: 1.1.1 – Intro to forces, Force diagrams, force arrows Lesson 3: 1.1.1 – Intro to forces, Contact and Non-contact forces Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton Objects which have a constant/steady speed don't have balanced forces acting upon them.	X4 (SMS) Lesson 1: 1.1.4 – Distance-time graphs Lesson 2: 1.1.4 – Distance-time graphs Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton, speed, displacement, acceleration Objects which have a constant/steady speed don't have balanced forces acting upon them. Activelearn task suitable to ability	reports X4 (AEC) Lesson 1: Acids and Alkalis Project Lesson 4 – Perform experiment Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH Pupils tend to be unclear about which variable is which Kerboodle task suitable to ability of
Week 4 (w/b 26 th Sep) Key Words Level 2 Level 3 Common Misconceptions Homework	X1 (DHN) Lesson 1: 1.1.2 – Balanced and Unbalanced forces Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton Objects which have a constant/steady speed don't have balanced forces acting upon them. Activelearn task suitable to ability of group.	Y1 (CRE) Lesson 1: Acids and Alkalis Project Lesson 4 – Perform experiment Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH Pupils tend to be unclear about which variable is which Kerboodle task suitable to ability of group. W/b 17th Oct	X1 (JAD) Lesson 1: 9.4.3 Investigating photosynthesis (full write up) Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Photosynthesis, chloroplast, chlorophyll, limiting factor, palisade cell, stomata That plants only photosynthesize (respiration is 24hrs) The hotter it is the more photosynthesis is done (stomata close and xerophytic adaptations in extreme conditions) Kerboodle task suitable to ability of group.	Y2/X3/X5 Lesson 1: 1.1.1 – Intro to forces, what are forces, what do forces do? Lesson 2: 1.1.1 – Intro to forces, Force diagrams, force arrows Lesson 3: 1.1.1 – Intro to forces, Contact and Non-contact forces Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton Objects which have a constant/steady speed don't have balanced forces acting upon them. Activelearn task suitable to ability of group.	X4 (SMS) Lesson 1: 1.1.4 – Distance-time graphs Lesson 2: 1.1.4 – Distance-time graphs Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton, speed, displacement, acceleration Objects which have a constant/steady speed don't have balanced forces acting upon them. Activelearn task suitable to ability of group. Activelearn task suitable to ability	reports X4 (AEC) Lesson 1: Acids and Alkalis Project Lesson 4 – Perform experiment Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH Pupils tend to be unclear about which variable is which Kerboodle task suitable to ability of group.

Career opportunities Employment Links	LIFE SKILLS: Understanding how different forces are used in everyday activities EMPLOYMENT: <u>https://www.iop.org/careers-</u> physics/your-future-with- physics/career-paths/background- artist	standing how e used in s s b prg/careers- re-with- ths/background-		FE SKILLS: Understanding the onditions needed for plants to rowLIFE SKILLS: Understanding how different forces are used in everyday activitiesLI artOW OPLOYMENT: Framing, orticulture, agriculture, botanyEMPLOYMENT: https://www.iop.org/careers- physics/career-paths/background- artistLI artist		LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	
IT Skills	IT2: Kerboodle homework	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT1 & IT2: Using google for research and cameras to photograph practical work for final reports	
Week 5 (w/b 3 rd Oct)	X1 (DHN) Lesson 1: 1.1.3 – Speed	X1 (CRE) Lesson 1: Acids and Alkalis Project Lesson 5 – Perform experiment	X1 (JAD) Lesson 1: 9.4.3 Investigating photosynthesis (full write up)	X2/X3/X5 Lesson 1: 1.1.2 – Balanced and Unbalanced forces Lesson 2: 1.1.3 – Speed Lesson 3: 1.1.4 – Distance-time graphs	X4 (SMS) Lesson 1: 1.2.1 – Gravity, compare and distinguish mass and weight, use W = mg Lesson 2: 1.2.1 – Gravity, calculating gravity on different planets	X4 (AEC) Lesson 1: Acids and Alkalis Project Lesson 5 – Perform experiment	
Key Words <mark>Level 2</mark> Level 3	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton, speed, displacement, acceleration	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Photosynthesis, chloroplast, chlorophyll, limiting factor, palisade cell, stomata	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton, speed, displacement, acceleration	Identify, control, explain, compare Force, balanced, unbalanced, contact, non-contact, newton, speed, displacement, acceleration, gravity, mass, weight	Hypothesis, Variable – independent, dependent, control, valid/validity, conclusion, evaluation, reliability, repeatability Acid/acidic, alkali, , hydroxide, ion, base, neutralisation, indicator, phenolphthalein, pH	
Common Misconceptions	Ensure pupils set calculations out correctly (State equation, state calculation, state answer with unit). Objects which have a constant/steady speed don't have balanced forces acting upon them.	Pupils tend to be unclear about which variable is which	That plants only photosynthesize (respiration is 24hrs) The hotter it is the more photosynthesis is done (stomata close and xerophytic adaptations in extreme conditions)	Objects which have a constant/steady speed don't have balanced forces acting upon them.	Ensure pupils set calculations out correctly (State equation, state calculation, state answer with unit). Objects which have a constant/steady speed don't have balanced forces acting upon them.	Pupils tend to be unclear about which variable is which	
Homework	Activelearn task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Activelearn task suitable to ability of group.	Activelearn task suitable to ability of group.	Kerboodle task suitable to ability of group.	
Assessment this half-term	1a Forces Test	W/b 17 th Oct - Working Scientifically Project		1a Forces Test	1a Forces Test	W/b 17 th Oct - Working Scientifically Project	
Career opportunities Employment Links	LIFE SKILLS: Understanding speed and braking distances EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding the conditions needed for plants to grow EMPLOYMENT: Framing, horticulture, agriculture, botany	LIFE SKILLS: Understanding speed and braking distances EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding the difference between mass and weight EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how household acids and alkalis can be neutralised EMPLOYMENT: Analytical chemist	

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Learning Teaming T		Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	
Procenting Transmit Non-National Procenting Transmit Non-National No		Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	
InclusionProduct outryPosition out		Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
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(w/b J0° Cci)graphsLason 6 - Calculate means, GraphPhotosynthesis (full wire up)and doinguint mass and weight, use wire mass, GraphLason 2: Exemplary/FeedbackLeson 2: Exemplary/FeedbackLeson 2: Exemplary/FeedbackLeson 2: Calculate means, GraphKey Wordsgraphsgraphs are at Labalanced respectivespectivegraphsgraph	Week 6	Lesson 1: 1.1.4 – Distance-time	Lesson 1: Acids and Alkalis Project	Lesson 1: 9.4.3 Investigating	Lesson 1: 1.2.1 – Gravity, compare	Lesson 1: 1a Forces Test	Lesson 1: Acids and Alkalis Project	
Lesson 3: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravity, Eason 4: 12.1 - Gravit	(w/b 10 th Oct)	graphs	Lesson 6 – Calculate means, Graph	photosynthesis (full write up)	and distinguish mass and weight,	Lesson 2: Exemplars/Feedback	Lesson 6 – Calculate means, Graph	
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Key Words Beer Density control options compare frace, blar dec, bl					planets			
Accurate					Lesson 3: 1.2.1 – Gravity, gravity			
Key Words Beerling Hypothesis, Variable mean					and forces			
Instant LevelState Journet Journe	Key Words	Identify control explain compare	Hypothesis Variable –	Hypothesis Variable –	Identify control explain compare		Hypothesis Variable –	
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Image: common Image: c			base, neutralisation, indicator,	chlorophyll, limiting factor,			base, neutralisation, indicator,	
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research and cameras to photograph practical work for final reports		IT2: Karboodla homowark	IT1 & IT2: Using google for	IT2: Karboodla homowark	IT2: Kerboodle homowerk	IT2: Karboodla homowark	IT1 & IT2: Using google for	
photograph practical work for final reports			research and cameras to				research and cameras to	
reports			photograph practical work for final				photograph practical work for final	
			reports				reports	

	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (AEC)	
Week 7	Lesson 1: 1.2.1 – Gravity, compare	Lesson 1: Acids and Alkalis Project	Lesson 1: 9.4.3 Investigating	Lesson 1: 1a Forces Test	Lesson 1: 9.4.1 Photosynthesis	Lesson 1: Acids and Alkalis Project	
(w/b 17 th Oct)	and distinguish mass and weight,	Lesson 7 – Conclusion, Evaluation	photosynthesis (full write up)	Lesson 2: Exemplars	Lesson 2: 9.4.1 Photosynthesis	Lesson 7 – Conclusion, Evaluation	
	use W = mg			Lesson 3: Feedback	(starch testing leaves)		
	, , , , , , , , , , , , , , , , , , ,						
Key Words	Identify, control, explain, compare	Hypothesis, Variable –	Hypothesis, Variable –		Identify, control, explain, compare	Hypothesis, Variable –	
Level 2	Force, balanced, unbalanced,	independent, dependent, control,	independent, dependent, control,	<mark>pendent, dependent, control,</mark> Photosynthesis, chloroplast,		independent, dependent, control,	
Level 3	contact, non-contact, newton,	valid/validity, conclusion,	valid/validity, conclusion,		chlorophyll, limiting factor,	valid/validity, conclusion,	
	speed, displacement, acceleration,	evaluation, reliability, repeatability	evaluation, reliability, repeatability		palisade cell, stomata	evaluation, reliability, repeatability	
	gravity, mass, weight	Acid/acidic, alkali, , hydroxide, ion,	Photosynthesis, chloroplast,			Acid/acidic, alkali, , hydroxide, ion,	
		base, neutralisation, indicator,	chlorophyll, limiting factor,			base, neutralisation, indicator,	
		phenolphthalein, pH	palisade cell, stomata			phenolphthalein, pH	
Common	Ensure pupils set calculations out	Pupils tend to be unclear about	That plants only photosynthesize	Identified from assessment	That plants only photosynthesize	Pupils tend to be unclear about	
Misconceptions	correctly (State equation, state	which variable is which	(respiration is 24hrs)		(respiration is 24hrs)	which variable is which	
	calculation, state answer with		The hotter it is the more		The hotter it is the more		
	unit).		photosynthesis is done (stomata		photosynthesis is done (stomata		
	Objects which have a constant/steady		close and xerophytic adaptations in		close and xerophytic adaptations in		
	speed don't have balanced forces		extreme conditions)		extreme conditions)		
	acting upon them.						
Homework	Activelearn task suitable to ability	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Activelearn task suitable to ability	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	
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Caroor	LIFE SKILLS: Lindorstanding the	LIFE SKILLS: Understanding how	LIFE SKILLS: Lindorstanding the	LIEE SKILLS: Basiliansa	LIFE SKILLS: Lindorstanding the	LIEE SKILLS: Understanding how	
opportunities	difference between mass and	LIFE SKILLS. Onderstanding now	conditions needed for plants to	ENDLOYMENT:	conditions needed for plants to	LIFE SKILLS. Understanding now	
Employment Links	weight	neutralised	grow	https://www.ion.org/careers-	grow	neutralised	
		EMPLOYMENT: Analytical chemist	EMPLOYMENT: Eraming	nhysics/your-future-with-	EMPLOYMENT: Eraming	EMPLOYMENT: Analytical chemist	
	https://www.jop.org/careers-	LIVIP LOTIVIENT: Analytical chemist	horticulture agriculture botany	physics/godi-future-with-	horticulture agriculture botany	EMPLOYMENT: Analytical chemist	
	https://www.iop.org/careers-		norticulture, agriculture, botany	diversity	norticulture, agriculture, botally		
	physics/your-rature-witti-						
	priviles/career-patris/background-						
Employability Skille	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	
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Notoc			* Sot up plant minarals proc				
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Autumn 2			Yea	ar 9		
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (SMS)	X4 (AEC)
Week 8 (w/b 31 st Oct)	Lesson 1: 1.2.1 Gravity – calculating W	Lesson 1: 6.3.1 Atoms in chemical reactions	Lesson 1: 9.4.4 Plant minerals	Lesson 1: 9.4.1 Photosynthesis Lesson 2: 9.4.1 Photosynthesis (starch testing leaves) Lesson 3: 9.4.2 Stomata (nail varnish underside leaf practical)	Lesson 1: 9.4.2 Stomata (nail varnish underside leaf practical) Lesson 2: 9.4.3 Investigating photosynthesis (full write up)	Lesson 1: 6.3.1 Atoms in chemical reactions
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Force, balanced, unbalanced, contact, non-contact, newton, speed, displacement, acceleration, gravity, mass, weight	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Identify, describe, explain Active transport, deficiency, chlorophyll	Identify, describe, explain Photosynthesis, chlorophyll, chloroplast, stomata, limiting factor	Identify, describe, explain Photosynthesis, chlorophyll, chloroplast, stomata, limiting factor, independent variable, dependent variable, control variable, valid, reliability, reproducibility	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction
Common Misconceptions	Ensure pupils set calculations out correctly (State equation, state calculation, state answer with unit). Objects which have a constant/steady speed don't have balanced forces acting upon them	The link between balancing and conservation of mass is not strongly made in pupils minds	That all plants need the same minerals in order to survive	That stomata are open all of the time	That stomata are open all of the time	The link between balancing and conservation of mass is not strongly made in pupils minds
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	1a Forces Test	6 mark question in class	W/b 19 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	6 mark in class question
Career opportunities Employment Links	LIFE SKILLS: Understanding the effects of different forces EMPLOYMENT: <u>https://www.iop.org/careers-</u> physics/your-future-with- physics/career-paths/background- artist	LIFE SKILLS: Understanding how chemical reactions occur EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding how to keep plants healthy EMPLOYMENT: Horticulture, agriculture, farming	LIFE SKILLS: Understanding optimal growth conditions in plants EMPLOYMENT: Horticulture, agriculture, farming	LIFE SKILLS: Understanding optimal growth conditions in plants EMPLOYMENT: Horticulture, agriculture, farming	LIFE SKILLS: Understanding how chemical reactions occur EMPLOYMENT: Analytical chemist
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
		¥1 (CPE)		<u>v</u> 2/v2/v5	¥4 (SMS)	X4 (AEC)
Week 9 (w/b 7 th Nov)	Lesson 1: 1a Forces Test	Lesson 1: 6.3.1 Atoms in chemical reactions	Lesson 1: 9.4.4 Plant minerals – review prac	Lesson 1: 9.4.3 Investigating photosynthesis (full write up) Lesson 2: 9.4.3 Investigating photosynthesis (full write up) Lesson 3: 9.4.3 Investigating photosynthesis (full write up)	Lesson 1: Investigating photosynthesis (full write up) Lesson 2: 9.4.4 Plant minerals	Lesson 1: 6.3.1 Atoms in chemical reactions
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain, compare, contrast, evaluate	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Identify, describe, explain Deficiency, chloroplast, chlorophyll, photosynthesis	Identify, describe, explainIdentify, describe, explainPhotosynthesis, chlorophyll, chloroplast, stomata, limiting factor, independent variable, dependent variable, controlPhotosynthesis, chlorophyll, chloroplast, stomata, limiting factor, independent variable, dependent variable, controlvariable, reliability, reproducibility, valid, continuous, discontinuousvariable, control valid, continuous, discontinuous		Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction

Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	Identified from assessment The link between balancing a conservation of mass is not strongly made in pupils mind. Kerboodle task suitable to ability of group. Kerboodle task suitable to ability of group. 1a Forces Test 6 mark question in class LIFE SKILLS: Resilience LIFE SKILLS: Understanding he chemical reactions occur https://www.iop.org/careers- physics/your-future-with- physics/career-paths/background- EMPLOYMENT: Analytical chemical reactions		Inat all plants need the same minerals in order to surviveInat the more light there is, the more photosynthesis there will b (students forget that this also means it gets hotter which cause enzymes to denature)Kerboodle task suitable to ability of group.Kerboodle task suitable to ability of group.Kerboodle task suitable to ability group.W/b 19th Dec - 9b Ecosystems TestW/b 5th Dec - 9b Ecosystems TeLIFE SKILLS: Understanding how to keep plants healthy EMPLOYMENT: Horticulture, agriculture, farmingLIFE SKILLS: Understanding optin growth conditions in plants EMPLOYMENT: Horticulture, agriculture, farming		That the more light there is, the more photosynthesis there will be (students forget that this also means it gets hotter which causes enzymes to denature) Kerboodle task suitable to ability of group. W/b 5 th Dec - 9b Ecosystems Test LIFE SKILLS: Understanding optimal growth conditions in plants EMPLOYMENT: Horticulture, agriculture, farming	The link between balancing and conservation of mass is not strongly made in pupils minds Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding how chemical reactions occur EMPLOYMENT: Analytical chemist	
	Annung mgm Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Annung might Enteracy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Annung mgn Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Annung mgm Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Annung might Enteracy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
	X1 (DHN)	X1 (CRE)	X1 (JAD)	x2/x3/x5	X4 (SMS)	X4 (AEC)	
Week 10 (w/b 14 th Nov)	Lesson 1: Feedback	Lesson 1: 6.3.2 Combustion – practical I (we should also be at least introducing balancing and writing symbol equations, if not mastering them.)	Lesson 1: 9.3.1 Aerobic respiration – exercise on heart rate prac	Lesson 1: 9.4.3 Investigating photosynthesis (full write up) Lesson 2: 9.4.4 Plant minerals Lesson 3: 9.4.4 Plant minerals – review prac	Lesson 1: 9.4.4 Plant minerals – review prac Lesson 2: 9.3.1 Aerobic respiration – exercise on heart rate prac	Lesson 1: 6.3.2 Combustion – practical I (we should also be at least introducing balancing and writing symbol equations, if not mastering them.)	
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain, compare, contrast, evaluate	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Identify, describe, explain Aerobic, anaerobic, respiration, cardiac, independent variable, dependent variable, control variable, reliability, reproducibility, valid, continuous, discontinuous	Identify, describe, explain Photosynthesis, chlorophyll, chloroplast, stomata, limiting factor, independent variable, dependent variable, control variable, reliability, reproducibility, valid, continuous, discontinuous, deficiency	Identify, describe, explain Photosynthesis, chlorophyll, chloroplast, deficiency, independent variable, dependent variable, control variable, reliability, reproducibility, valid, continuous, discontinuous, deficiency	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	
Common Misconceptions	Identified from assessment	The link between balancing and conservation of mass is not strongly made in pupils minds	That the more muscle you have the better cardiac fitness you have	That all plants need the exact same minerals	That the more muscle you have the better cardiac fitness you have	The link between balancing and conservation of mass is not strongly made in pupils minds	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	
	group.	group.	group.	group.	group.	group.	
Assessment this half-term	1a Forces Test	6 mark question in class	W/b 19 ^{III} Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	6 mark in class question	
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how and why things burn EMPLOYMENT: Heating engineer	LIFE SKILLS: Understanding how activity and heart rate are linked EMPLOYMENT: Physiotherapist, personal trainer, dietician	LIFE SKILLS: UnderstandingLIFE SKILLS: Understanding howoptimum conditions for plantactivity and heart rate are linkedgrowthEMPLOYMENT: Horticulture,agriculture, forestry, farmingpersonal trainer, dietician		LIFE SKILLS: Understanding how and why things burn EMPLOYMENT: Heating engineer	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	

	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
				· · ·		
Week 11 (w/b 21 st Nov)	X1 (DHN) Lesson 1: Exemplars	X1 (CRE) Lesson 1: 6.3.2 Combustion - practical	X1 (JAD) Lesson 1: 9.3.2 Fermentation	X2/X3/X5 Lesson 1: 9.3.1 Aerobic respiration Lesson 2: 9.3.1 Aerobic respiration – exercise on heart rate prac	X4 (SMS) Lesson 1: 9.3.3 Lesson 1: 9.3.2 Fermentation Lesson 2: 9.3.2 Fermentation – rate	X4 (AEC) Lesson 1: 6.3.2 Combustion - practical
Kou Worde	Identify describe evaluate		Identify describe syntain	Lesson 3: 9.3.2 Fermentation	of fermentation prac	Identify describe evolution
Level 2 Level 3	compare, contrast, evaluate	Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Anaerobic, respiration, lactic acid, ethanol, fermentation	Aerobic, anaerobic, respiration, cardiac, independent variable, dependent variable, control variable, reliability, reproducibility, valid, continuous, discontinuous, fermentation	Anaerobic, respiration, lactic acid, ethanol, fermentation	Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction
Common Misconceptions	Identified from assessment	The link between balancing and conservation of mass is not strongly made in pupils minds	That all fermentation produces things that smell bad	That the more muscle you have the better cardiac fitness you have	That all fermentation produces things that smell bad	The link between balancing and conservation of mass is not strongly made in pupils minds
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	1a Forces Test	6 mark question in class	W/b 19 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	6 mark in class question
Career	LIFE SKILLS: Resilience	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how
opportunities	EMPLOYMENT:	and why things burn	yoghurt, beer and bread is made	activity and heart rate are linked	yoghurt, beer and bread is made	and why things burn
Employment Links	https://www.iop.org/careers- physics/your-future-with- physics/career-paths/background- artist	EMPLOYMENT: Heating engineer	brewer	EMPLOYMENT: Physiotherapist, personal trainer, dietician	EMPLOYMENT: Baker, nutritionist, brewer	EMPLOYMENT: Heating engineer
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
Week 12 (w/b 28 th Nov)	X1 (DHN) Lesson 1: 4.3.1 Sound waves, water waves, energy – frequency and amplitude	X1 (CRE) Lesson 1: 6.3.3 Thermal Decomposition	X1 (JAD) Lesson 1: 9.3.2 Fermentation – rate of fermentation prac	X2/X3/X5 Lesson 1: 9.3.2 Fermentation – rate of fermentation prac Lesson 2: 9.3.3 Biotechnology Lesson 3: 9.3.3 Biotechnology – effect of temp on fermentation prac	X4 (SMS) Lesson 1: 9.3.3 Biotechnology Lesson 2: 9.3.3 Biotechnology – effect of temp on fermentation prac	X4 (AEC) Lesson 1: 6.3.3 Thermal Decomposition
Key Words Level 2 Level 3	Identify, describe, explain Frequency, amplitude, energy, oscilloscope	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Identify, describe, explain Anaerobic, respiration, lactic acid, ethanol	Identify, describe, explain Anaerobic, respiration, lactic acid, ethanol, biotechnology, fermentation	Identify, describe, explain Anaerobic, respiration, lactic acid, ethanol, fermentation	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction
Common Misconceptions	That waves transfer matter as well as energy	The link between balancing and conservation of mass is not strongly made in pupils minds	That all fermentation produces things that smell bad	I hat biotechnology is just GM foods	I hat biotechnology is just GM foods	The link between balancing and conservation of mass is not strongly made in pupils minds

Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	
	group.	group.	group.	group.	group.	group.	
Assessment this	6 mark question in class	6 mark question in class	W/b 19 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	6 mark in class question	
half-term							
Career	LIFE SKILLS: Understand how sound	LIFE SKILLS: Understand how things	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding how	LIFE SKILLS: Understand how things	
opportunities	can be manipulated	can be broken down using heat	yoghurt, beer and bread is made	yoghurt, beer and bread is made	yoghurt, beer and bread is made	can be broken down using heat	
Employment Links	EMPLOYMENT:	EMPLOYMENT: Heating engineer	EMPLOYMENT: Baker, nutritionist,	EMPLOYMENT: Baker, nutritionist,	EMPLOYMENT: Baker, nutritionist,	EMPLOYMENT: Heating engineer	
	https://www.iop.org/careers-		brewer	brewer	brewer		
	physics/your-future-with-						
	physics/career-paths/background-						
	artist						
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Leadership Independence	Leadership Independence	Leadership Independence	Leadershin Independence	Creativity Numeracy	
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (SMS)	X4 (AEC)	
Week 13	Lesson 1: 4.3.1 Sound waves, water	Lesson 1: 6.3.3 Thermal	Lesson 1: 9.3.3 Biotechnology	Lesson 1: Test	Lesson 1: Test	Lesson 1: 6.3.3 Thermal	
(w/b 5 th Dec)	waves, energy	Decomposition – equations &		Lesson 2: Test feedback	Lesson 2: Test feedback	Decomposition – equations &	
		balancing		Lesson 3: Test feedback		balancing	
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain,	Identify, describe, explain,	Identify, describe, explain	
Level 2	Frequency, amplitude, energy,	Atom, compound, mixture,	Anaerobic, respiration, lactic acid,	<mark>compare, contrast, evaluate</mark>	compare, contrast, evaluate	Atom, compound, mixture,	
Level 3	oscilloscope	irreversible, conservation of mass,	ethanol			irreversible, conservation of mass,	
		balancing, combustion, thermal				balancing, combustion, thermal	
		decomposition, displacement,				decomposition, displacement,	
		oxidation, reduction				oxidation, reduction	
Common	That waves transfer matter as well	The link between balancing and	he link between balancing and That biotechnology is just GM Identified from assessment Identified from assessment		Identified from assessment	The link between balancing and	
Misconceptions	as energy	conservation of mass is not	servation of mass is not foods			conservation of mass is not	
		strongly made in pupils minds				strongly made in pupils minds	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	
	group.	group.	group.	group.	group.	group.	
Assessment this	6 mark question in class	6 mark question in class	W/b 19 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	W/b 5 th Dec - 9b Ecosystems Test	6 mark in class question	
half-term							
Career	LIFE SKILLS: Understand how sound	LIFE SKILLS: Understand how things	LIFE SKILLS: Understanding how	LIFE SKILLS: Resilience	LIFE SKILLS: Resilience	LIFE SKILLS: Understand how things	
opportunities	can be manipulated	can be broken down using heat	yoghurt, beer and bread is made	EMPLOYMENT: Biology teacher	EMPLOYMENT: Biology teacher	can be broken down using heat	
Employment Links	EMPLOYMENT:	EMPLOYMENT: Heating engineer	EMPLOYMENT: Baker, nutritionist,			EMPLOYMENT: Heating engineer	
	https://www.iop.org/careers-		brewer				
	physics/your-future-with-						
	physics/career-paths/background-						
	<u>artist</u>						
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	
	Presenting leamwork	Presenting Leamwork	Presenting Leamwork	Presenting Leamwork	Presenting leamwork	Presenting leamwork	
	Staving positive	Staving positive	Staving positive		Staving positive	Staving positive	
IT Skills	IT2: Kerhoodle homework	IT2: Kerhoodle homework	IT2: Kerhoodle homework	IT2: Kerboodle homework	IT2: Kerhoodle homework	IT2: Kerhoodle homework	
	X1 (DHN)	X1 (CRE)	X1 (IAD)	x2/x3/x5	X4 (SMS)	X4 (AFC)	
			·· · (), ()				

Week 14 (w/b 12 th Dec)	Lesson 1: 4.3.1 Sound waves, water waves, energy	Lesson 1: 6.3.4 Conservation of mass	Lesson 1: 9.3.3 Biotechnology – effect of temp on fermentation pracLesson 1: 6.3.1 Atoms in chemical reactions Lesson 2: 6.3.1 Atoms in chemical reactions Lesson 3: 6.3.2 Combustion - 		Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: 6.3.4 Conservation of mass	
Key Words Level 2 Level 3	Identify, describe, explain Frequency, amplitude, energy, oscilloscope	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Identify, describe, explain Anaerobic, respiration, lactic acid, ethanol, fermentation	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Identify, describe, explain, compare, contrast, evaluate	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	
Common Misconceptions	That waves transfer matter as well as energy	The link between balancing and conservation of mass is not strongly made in pupils minds	That biotechnology is just GM foods	The link between balancing and conservation of mass is not strongly made in pupils minds	Identified from assessment	The link between balancing and conservation of mass is not strongly made in pupils minds	
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	
Assessment this half-term	6 mark question in class	6 mark question in class	W/b 19 th Dec - 9b Ecosystems Test	6 mark in class question	6 mark in class question	6 mark in class question	
Career opportunities Employment Links	LIFE SKILLS: Understand how sound can be manipulated EMPLOYMENT: <u>https://www.iop.org/careers-</u> <u>physics/your-future-with-</u> <u>physics/career-paths/background-</u> <u>artist</u>	LIFE SKILLS: Understanding how the products of a reaction always add up to the reactants EMPLOYMENT: Analytical chemist	LIFE SKILLS: Understanding how yoghurt, beer and bread is made EMPLOYMENT: Baker, nutritionist, brewer	LIFE SKILLS: Understanding how chemical reactions occur EMPLOYMENT: Analytical chemist	LIFE SKILLS: Resilience EMPLOYMENT: Biology teacher	LIFE SKILLS: Understanding how the products of a reaction always add up to the reactants EMPLOYMENT: Analytical chemist	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
	X1 (DHN)	X1 (CRE)		x2/x3/x5	XA (SMS)	X4 (AFC)	
Week 15 (w/b 19 th Dec)	X1 (DHN) X1 (CRE) Lesson 1: 4.3.2 Radiation and Energy Lesson 1: 6.3.4 Conservation of mass		Lesson 1: Review unit	Lesson 1: 6.3.2 Combustion – practical II Lesson 2: 6.3.2 Combustion practical – balancing combustion equations Lesson 3: 6.3.3 Thermal Decomposition	Lesson 1: 4.3.1 Sound waves, water waves, energy – frequency and amplitude Lesson 2: 4.3.1 Sound waves, water waves, energy	Lesson 1: 6.3.4 Conservation of mass	
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explainIdentify, describe, explainElectromagnetic, spectrum, gammaAtom, compound, mixture,rays, microwaves, infrared,irreversible, conservation of mass,ultraviolet, x-rays, amplitude,balancing, combustion, thermalfrequencydecomposition, displacement,oxidation, reduction		Identify, describe, explain, compare, contrast, evaluate	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Identify, describe, explain Frequency, amplitude, energy, oscilloscope	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	
Common Misconceptions	That all radiation involves radioactive materials	The link between balancing and conservation of mass is not strongly made in pupils minds	Identified through active questioning during review	The link between balancing and conservation of mass is not strongly made in pupils minds	That waves transfer matter as well as energy	ell The link between balancing and conservation of mass is not strongly made in pupils minds	
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	f Kerboodle task suitable to ability of group.	

Assessment this	6 mark question	on in class	6 mark question	n in class	W/b 19 th Dec -	9b Ecosystems Test	6 mark in class o	question	6 mark in class	question	6 mark in class question	
half-term												
Career	LIFE SKILLS: Ur	nderstanding how	LIFE SKILLS: Und	FE SKILLS: Understanding how the LIFE		ilience	LIFE SKILLS: Und	lerstanding how	LIFE SKILLS: Understand how sound		LIFE SKILLS: Understanding how the	
opportunities	certain forms	of energy are	products of a re	roducts of a reaction always add EMP		Biology teacher	and why things	burn	can be manipulated		products of a reaction always add	
Employment Links	emitted		up to the reacta	ints			EMPLOYMENT:	Heating engineer	EMPLOYMENT	•	up to the reacta	ants
	EMPLOYMENT	-	EMPLOYMENT:	Analytical chemist					https://www.io	op.org/careers-	EMPLOYMENT:	Analytical chemist
	https://www.iop.org/careers-								physics/your-f	<u>uture-with-</u>		
	physics/your-future-with-								physics/career	-paths/background-		
	physics/career-paths/background-								<u>artist</u>			
	<u>artist</u>											
Employability Skills	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy
	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy
	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication
	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork
	Problem solving	5	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	
	Staying positive		Staying positive		Staying positive		Staying positive		Staying positive		Staying positive	
IT Skills	IT2: Kerboodle	e homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle h	nomework	IT2: Kerboodle homework		IT2: Kerboodle homework	

Spring 1			Ye	ar 9		
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (SMS)	X4 (AEC)
Week 16 (w/b Wed 4 th Jan)	Lesson 1: 4.3.2 Radiation and Energy – electromagnetic wave uses	Lesson 1: 6.4.1 Exo and Endothermic - practicals	Lesson 1: Test feedback	Lesson 1: 6.3.3 Thermal Decomposition Lesson 2: 6.3.4 Conservation of mass Lesson 3: 6.3.4 Conservation of mass	Lesson 1: 4.3.1 Sound waves, water waves and energy- ultrasound Lesson 2: 4.3.1 Sound waves, water waves and energy- ultrasound	Lesson 1: 6.4.1 Exo and Endothermic - practicals
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x-rays, amplitude, frequency	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,	Identify, describe, explain, compare, evaluate	Identify, describe, explain Atom, compound, mixture, irreversible, conservation of mass, balancing, combustion, thermal decomposition, displacement, oxidation, reduction	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,
Common Misconceptions	That microwaves are the thing you put your food in, not the waves that heat the food up.	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals	Identified from assessment	That mass is lost when new products form	Light doesn't travel in a straight line. Primary colours in Art and Science are the same) (They are Red, Green, Blue in science). They think an object gives off a colour instead of reflecting.	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of Kerboodle task suitable to ability of Kerboodle task suitable to ability of Kerboodle task suitable to a group. group. group.		Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	w/b 13 th Feb – 4b Waves Test	Online test – w/b 6 th Feb	6 mark in class question	Online test – w/b 6 th Feb	w/b 6 th Feb – 4b Waves Test	Online test – w/b 6 th Feb
Career opportunities Employment Links	LIFE SKILLS: Understanding the risks of radiation EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Understanding why heat is given out or taken in EMPLOYMENT: Heating engineer	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how to predict products in a reaction EMPLOYMENT: Heating engineer	LIFE SKILLS: Understanding how sound travels EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Understanding why heat is given out or taken in EMPLOYMENT: Heating engineer
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication

	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
March 47	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (SMS)	X4 (AEC)
(w/b 9 th Jan)	Energy – electromagnetic wave dangers	Endothermic	Lesson 1: Test feedback	Lesson 1: 6.4.1 Endo & Exothermic Lesson 2: 6.4.1 Endo & Exothermic Lesson 3: 6.4.2 Energy Level Diagrams	Lesson 1: 4.3.1 Sound waves, water waves and energy- ultrasound Lesson 2: 4.3.1 Sound waves, water waves and energy- ultrasound	Endothermic
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x-rays, amplitude, frequency	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,	Identify, describe, explain, compare, evaluate	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,
Common Misconceptions	That microwaves are the thing you put your food in, not the waves that heat the food up.	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals	Identified from assessment	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals	Light doesn't travel in a straight line. Primary colours in Art and Science are the same) (They are Red, Green, Blue in science). They think an object gives off a colour instead of reflecting.	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
Assessment this	group. w/b 13 th Feb – 4b Wayes Test	group. Online test – w/b 6 th Feb	group. 6 mark in class question	group. Online test – w/b 6 th Feb	group. w/b 6 th Feb – 4b Wayes Test	group. Online test – w/h 6 th Feh
half-term				Shine test with o Test		onine test wys o res
Career opportunities Employment Links	LIFE SKILLS: Understanding the hazards of radiation EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Understanding why heat is given out or taken in EMPLOYMENT: Heating engineer	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding why heat is given out or taken in EMPLOYMENT: Heating engineer	LIFE SKILLS: Understanding the uses of different waves EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Understanding why heat is given out or taken in EMPLOYMENT: Heating engineer
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
		X1 (CRE)		<u>x2/x3/x5</u>		X4 (AEC)
Week 18 (w/b 16 th Jan)	Lesson 1: 4.1.1 Sound waves and speed - measure speed of sound	Lesson 1: 6.4.2 Energy level Diagrams	Lesson 1: Test feedback	Lesson 1: 6.4.2 Energy Level Diagrams Lesson 2: 6.4.3 Bond Energies Lesson 3: 6.4.3 Bond Energies	Lesson 1: 4.3.1 Sound waves, water waves and energy- ultrasound Lesson 2: 4.3.1 Sound waves, water waves and energy- ultrasound	Lesson 1: 6.4.2 Energy level Diagrams
Key Words Level 2 Level 3	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,	Identify, describe, explain, compare, evaluate	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,
Common Misconceptions	Light doesn't travel in a straight line.	Pupils sometimes get endothermic and exothermic mixed up -EXo –	Identified from assessment	Pupils sometimes get endothermic and exothermic mixed up -EXo –	Light doesn't travel in a straight line.	Pupils sometimes get endothermic and exothermic mixed up -EXo –

	Primary colours in Art and Science are	heat Exits the chemicals, ENdo –		heat Exits the chemicals, ENdo –	Primary colours in Art and Science are	heat Exits the chemicals, ENdo –
	the same) (They are Red, Green, Blue	heat ENters the chemicals		heat ENters the chemicals	the same) (They are Red, Green, Blue	heat ENters the chemicals
	in science).				in science).	
	increase of reflecting				instead of reflecting	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
HOILIEWOLK	group	group	group	group	group	group
Assessment this	w/h 13^{th} Eeh – <i>1</i> h Wayes Test	Online test $-w/b 6^{th}$ Eeb	6 mark in class question	Online test – $w/b 6^{th}$ Eeb	w/b 6^{th} Eeb – <i>4</i> b Wayes Test	Online test $-w/b 6^{th}$ Eeb
half-torm				Online test – w/b o Teb		
Carpor	LIEE SKILLS: Lindorstanding how	LIEE SKILLS: Understanding why		LIEE SKILLS: Lindorstanding why	LIEE SKILLS: Understanding how	LIEE SKILLS: Understanding why
opportunitios	cound travels	energy is lost or gained	ENDLOYMENT: Posoarch scientist	operavis lest or gained	cound travels	anorgy is lost or gained
Employment Links		ENDLOYMENT: Heating angineer	EMPLOTIMENT: Research scientist	ENDLOVMENT: Heating angineer		ENDLOVMENT: Heating angineer
Employment Links	https://www.iop.org/light	ENTREMENT: Heating engineer		EMPLOTMENT: Heating engineer	https://www.iop.org/light	EWFLOHMENT. Heating engineer
	fantastic conior programmo				fantastic conjor programmo	
	manager-photonics				manager_photopics	
	manager-protonics				Inanager-protonics	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (SMS)	X4 (AEC)
Week 19	Lesson 1: 4.1.1 Sound waves and	Lesson 1: 6.4.2 Energy Level	Lesson 1: 10.3.1 Natural selection	Lesson 1: 6b Reactions Test	Lesson 1: 4.4.1 Modelling Waves	Lesson 1: 6.4.2 Energy Level
(w/b 23 ^{ra} Jan)	speed – speed of sound in solids,	Diagrams		Lesson 2: Exemplars/Feedback	Lesson 2: 4.4.1 Modelling Waves	Diagrams
	liquids, gases			Lesson 3: Exemplars/Feedback		
Koy Words	Identify describe explain	Identify describe explain	Identify describe explain	Identify describe explain	Identify describe evoluin	Identify describe explain
	Solid liquid gas speed vibration	Exothermic endothermic energy	Mutation inheritance species	compare evaluate	Solid liquid gas speed vibration	Exothermic endothermic energy
	frequency Electromagnetic	change, enthalpy change, reaction	evolution, adaptation, extinction		frequency Electromagnetic	change, onthalpy change, reaction
Lever J	spectrum, gamma rays	nrofile			spectrum, gamma rays	profile
	microwayes infrared ultraviolet x-	prome,			microwaves infrared ultraviolet x-	
	rays amplitude frequency				rays amplitude frequency	
Common	light doesn't travel in a straight line.	Pupils sometimes get endothermic	Evolution is a quick process	Identified from assessment	Light doesn't travel in a straight line.	Pupils sometimes get endothermic
Misconcentions	Primary colours in Art and Science are	and exothermic mixed up -EXo -	Evolution is a quick process		Primary colours in Art and Science are	and exothermic mixed up -FXo -
Misconceptions	the same) (They are Red, Green, Blue	heat Exits the chemicals ENdo –			the same) (They are Red, Green, Blue	heat Exits the chemicals ENdo –
	in science).	heat ENters the chemicals			in science).	heat ENters the chemicals
	They think an object gives off a colour	ficat Enters the chemicals			They think an object gives off a colour	field Enters the chemicals
	instead of reflecting.				instead of reflecting.	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
	group.	group.	group.	group.	group.	group.
Assessment this	w/b 13 th Feb – 4b Waves Test	Online test – w/b 6 ^m Feb	6 mark in class question	Online test – w/b 6 th Feb	w/b 6 th Feb – 4b Waves Test	Online test – w/b 6 ^m Feb
half-term						
Career	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding why	LIFE SKILLS: Understanding the		LIFE SKILLS: Understanding the	LIFE SKILLS: Understanding Why
opportunities	sound travels	energy is lost or gained	evidence for evolution	EIVIPLOYIVIENT: Research scientist	roles of alterent types of waves	energy is lost or gained
Employment Links		EIVIPLOYIVIENT: Heating engineer	EIVIPLOYIVIENT: Anthropologist,			EIVIPLOYIVIENT: Heating engineer
	nttps://www.lop.org/light-		evolutionary biologist, zoologist		nttps://www.lop.org/light-	
	fantastic-senior-programme-				fantastic-senior-programme-	
	manager-photonics				manager-photonics	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication

	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
Week 20 (w/b 30 th Jan)	Lesson 1: 4.1.1 Sound waves and speed	Lesson 1: 6.4.3 Bond Energies (with X1 you will probably want to spend more time on this than on energy level diagrams)	Lesson 1: 10.3.2 Charles Darwin	Lesson 1: 4.3.1 Sound waves, water waves and energy- ultrasound Lesson 2: 4.3.1 Sound waves, water waves and energy- ultrasound Lesson 3: 4.3.1 Sound waves, water waves and energy- ultrasound	Lesson 1: 4.4.1 Modelling Waves Lesson 2: 4.4.1 Modelling Waves	Lesson 1: 6.4.3 Bond Energies (with X1 you will probably want to spend more time on this than on energy level diagrams)
Key Words	<mark>ldentify, describe, explain</mark>	<mark>ldentify, describe, explain</mark>	<mark>ldentify, describe, explain</mark>	<mark>ldentify, describe, explain</mark>	<mark>ldentify, describe, explain</mark>	<mark>ldentify, describe, explain</mark>
<mark>Level 2</mark> Level 3	Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Exothermic, endothermic, energy change, enthalpy change, reaction profile,	Mutation, inheritance, species, evolution, adaptation, extinction, Galapagos	Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Exothermic, endothermic, energy change, enthalpy change, reaction profile,
Common Misconceptions	Light doesn't travel in a straight line. Primary colours in Art and Science are the same) (They are Red, Green, Blue in science). They think an object gives off a colour instead of reflecting.	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals	Evolution is a quick process	Light doesn't travel in a straight line. Primary colours in Art and Science are the same) (They are Red, Green, Blue in science). They think an object gives off a colour instead of reflecting.	Light doesn't travel in a straight line. Primary colours in Art and Science are the same) (They are Red, Green, Blue in science). They think an object gives off a colour instead of reflecting.	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
Assessment this half-term	w/b 13 th Feb – 4b Waves Test	Online test – w/b 6 th Feb	6 mark in class question	Online test – w/b 6 th Feb	w/b 6 th Feb – 4b Waves Test	Online test – w/b 6 th Feb
Career opportunities Employment Links	LIFE SKILLS: Understanding how sound travels EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Understanding why energy is lost or gained EMPLOYMENT: Heating engineer	LIFE SKILLS: Understanding the evidence for evolution EMPLOYMENT: Anthropologist, evolutionary biologist, zoologist	LIFE SKILLS: Understanding how sound travels EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Understanding the roles of different types of waves EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Understanding why energy is lost or gained EMPLOYMENT: Heating engineer
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
	X1 (DHN)	X1 (CRE)		x2/x3/x5	X4 (SMS)	Χ4 (ΔΕC)
Week 21 (w/b 6 th Feb)	Lesson 1: 4.1.1 Sound waves and speed	Lesson 1: Online Test	Lesson 1: 10.3.3 Extinction	Lesson 1: Online test Lesson 2: 4.3.2 Radiation and Energy Lesson 3: 4.3.2 Radiation and Energy	Lesson 1: 4b Waves Test Lesson 2: Feedback/Exemplars	Lesson 1: Online Test
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,	Identify, describe, explain Mutation, inheritance, species, evolution, adaptation, extinction	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain Exothermic, endothermic, energy change, enthalpy change, reaction profile,

Common Misconceptions Homework Assessment this half-term	Light doesn't travel in a straight line. Primary colours in Art and Science are the same) (They are Red, Green, Blue in science). They think an object gives off a colour instead of reflecting. Kerboodle task suitable to ability of group. w/b 13 th Feb – 4b Waves Test	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals Kerboodle task suitable to ability of group. Online test – w/b 6 th Feb	Extinction is caused by hunting Kerboodle task suitable to ability of group. 6 mark in class question	Light doesn't travel in a straight line. Primary colours in Art and Science are the same) (They are Red, Green, Blue in science). They think an object gives off a colour instead of reflecting. Kerboodle task suitable to ability of group. 6 mark in class question	Identified from assessment Kerboodle task suitable to ability of group. w/b 6 th Feb – 4b Waves Test	Pupils sometimes get endothermic and exothermic mixed up -EXo – heat Exits the chemicals, ENdo – heat ENters the chemicals Kerboodle task suitable to ability of group. 6 mark in class question
Career opportunities Employment Links	LIFE SKILLS: Understanding how sound travels EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Resilience EMPLOYMENT: Heating engineer	LIFE SKILLS: Understanding the evidence for evolution EMPLOYMENT: Anthropologist, evolutionary biologist, zoologist	LIFE SKILLS: Understanding the hazards of radiation EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Resilience EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Resilience EMPLOYMENT: Heating engineer
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
Notes			GL Assessme	ent this week	-	-
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (SMS)	X4 (AEC)
Week 22 (w/b 13 th Feb)	Lesson 1: 4b Waves Test	Lesson 1: 6b Reactions Test	Lesson 1: 10.3.4 Preserving biodiversity	Lesson 1: 4.4.1 Modelling Waves Lesson 2: 4.4.1 Modelling Waves Lesson 3: 4.4.1 Modelling Waves	Lesson 1: 10.3.1 Natural selection Lesson 2: 10.3.2 Charles Darwin	Lesson 1: 6b Reactions Test
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain, compare, evaluate	Identify, describe, explain Mutation, inheritance, species, evolution, adaptation, extinction, biodiversity	Identify, describe, explain Solid, liquid, gas, speed, vibration, frequency, Electromagnetic, spectrum, gamma rays, microwaves, infrared, ultraviolet, x- rays, amplitude, frequency	Identify, describe, explain Mutation, inheritance, species, evolution, adaptation, extinction	Identify, describe, explain, compare, evaluate
Common Misconceptions	Identified from assessment	Identified from assessment	That zoos are the only place where conservation occurs in the UK	Light doesn't travel in a straight line. Primary colours in Art and Science are the same) (They are Red, Green, Blue in science). They think an object gives off a colour instead of reflecting.	Evolution is a quick process	Identified from assessment
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
Assessment this half-term	w/b 13 th Feb – 4b Waves Test	6 mark in class question	6 mark in class question	6 mark in class question	6 mark in class question	6 mark in class question
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding conservation mechanisms EMPLOYMENT: Zoologist, DEFRA, evolutionary biologist	LIFE SKILLS: Understanding the uses of waves EMPLOYMENT: https://www.iop.org/light- fantastic-senior-programme- manager-photonics	LIFE SKILLS: Understanding the evidence for evolution EMPLOYMENT: Anthropologist, evolutionary biologist, zoologist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunication

	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork
	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	
	Staying positive		Staying positive		Staying positive		Staying positive		Staying positive		Staying positive	
IT Skills	IT2: Kerboodle h	nomework	IT2: Kerboodle l	nomework	IT2: Kerboodle l	nomework	IT2: Kerboodle h	nomework	IT2: Kerboodle l	nomework	IT2: Kerboodle	homework

Spring 2			Yea	ar 9		
	X1 (JFW)	X1 (DHN)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)
Week 23 (w/b 27 th Feb)	Lesson 1: Feedback	Lesson 1: Exemplars/Feedback	Lesson 1: 10.4.1 Inheritance	Lesson 1: 4b Waves Test Lesson 2: Feedback Lesson 3: Exemplars	Lesson 1: Exemplars/Feedback	Lesson 1: Lesson 1: 10.3.3 Extinction Lesson 2: 10.3.4 Preserving biodiversity
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain Allele, gene, dominant, recessive, characteristic, inheritance, gamete, chromosome, probability	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain Extinction, poaching, biodiversity, ecosystem, habitat, conservation, natural selection
Common Misconceptions	Identified from assessment	Identified from assessment	All characteristics are inherited directly from parents	Identified from assessment	Identified from assessment	Only animals become extinct
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	6 mark in class question	6 mark in class question	w/b 27 th Mar – 10b Genes	w/b 27 th Feb - 4b Waves w/b 27 th Mar – 10b Genetic	6 mark in class question	w/b 20 th Mar – 10b Genes
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how characteristics are inherited EMPLOYMENT: Geneticist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist EMPLOYMENT: Research scientist		LIFE SKILLS: Understanding why species become extinct EMPLOYMENT: Zoologist, conservationist
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
Week 24 (w/b 6 th Mar)	X1 (JFW) Lesson 1: Exemplars	X1 (DHN) Lesson 1: Exemplars/Feedback	X1 (JAD) Lesson 1: 10.4.2 DNA – extracting DNA from kiwi prac	X2/X3/X5 Lesson 1: 10.3.1 Natural selection Lesson 2: 10.3.2 Charles Darwin Lesson 3: 10.3.3 Extinction	X4 (AEC) Lesson 1: Exemplars/Feedback	X4 (SMS) Lesson 1: 10.4.1 Inheritance Lesson 2: 10.4.2 DNA – extracting DNA from kiwi prac
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain, compare, evaluate	Identify, describe, explain, compare, evaluate	Identify, describe, explain Allele, gene, dominant, recessive, characteristic, inheritance, gamete, chromosome, probability, extraction	Identify, describe, explain Extinction, poaching, biodiversity, ecosystem, habitat, conservation, natural selection	Identify, describe, explain, compare, evaluate	Identify, describe, explain Allele, gene, dominant, recessive, characteristic, inheritance, gamete, chromosome, probability, extraction
Common Misconceptions	Identified from assessment	Identified from assessment	Only animals have DNA	Evolution is a fast process	Identified from assessment	Only animals have DNA
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	6 mark in class question	6 mark in class question	w/b 27 th Mar – 10b Genes	w/b 27 th Mar – 10b Genetic	6 mark in class question	w/b 20 th Mar – 10b Genes
Career opportunities Employment Links	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how DNA can be used EMPLOYMENT: Forensic scientist	LIFE SKILLS: Understanding the process of evolution EMPLOYMENT: Natural sciences	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how DNA can be used EMPLOYMENT: Forensic scientist

Employability Skills	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy
	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy Independence	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy Independence
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication
	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork
	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	
	Staying positive		Staying positive		Staying positive		Staying positive		Staying positive		Staying positive	
	112: Kerboodle h	omework	112: Kerboodle f	nomework	112: Kerboodle	homework	112: Kerboodle I	nomework	112: Kerboodle	homework	112: Kerboodle	homework
	X1 (JFW)		X1 (DHN)		X1 (JAD)		X2/X3/X5		X4 (AEC)		X4 (SMS)	
Week 25	Lesson 1: 1.3.1 F	riction and drag	Lesson 1: 7.1.1 S	Structure of the	Lesson 1: 10.4.3	3 Genetics	Lesson 1: Stude	nt research for	Lesson 1: 7.1.1	Structure of the	Lesson 1: 10.4.	3 Genetics
(w/b 13 th Mar)		-	Earth				presentation int	to Darwin and	Earth		Lesson 2: 10.4.	4 Genetic
							extinction				modification	
							Lesson 2: Stude	nt preparation of				
							presentations in	nto Darwin and				
							extinction	nt presentations				
Key Words	Identify describ	e, explain Air	Identify describ	e explain Mantle	Identify descri	he explain	Identify describ	ne explain	Identify, descri	be explain Mantle	Identify descri	be explain
Level 2	resistance, contac	ct forces, friction,	crust, inner/out	er core, diameter,	Allele, gene, do	minant, recessive,	Extinction, poad	hing, biodiversity,	crust, inner/ou	ter core, diameter,	Allele, gene, do	ominant, recessive,
Level 3	gram, gravity, kilo	gram, magnetism,	radius, crystal/c	rystallisation, grain	characteristic, i	nheritance, gamete,	ecosystem, hab	itat, conservation,	radius, crystal/	crystallisation, grain	characteristic,	inheritance, gamete,
	mass, newton, no	n-contact force,	size, layers, foss	sils, sedimentation,	chromosome, p	probability	natural selectio	<mark>n</mark>	size, layers, fos	sils, sedimentation,	chromosome, j	probability
	resistance, weight	t, compress, elastic	extrusive, intrus	sive, weathering,					extrusive, intru	sive, weathering,		
	limit, extension, H	looke's law,	erosion, deposit	tion, transportation					erosion, depos	ition, transportation		
	proportional, spri	ng, lubricant, pascal,										
	pressure, balance	d forces, stationary,										
Common	Types of resistance	e (drag particularly).	The Earth is flat		Characteristics	are only directly	Evolution is a fa	st process	The Earth is fla	t	Characteristics	are only directly
Misconceptions	Weight and mass	being the same.			inherited from	parents				•	inherited from	parents
	Plastic is a materia	al and not a property										•
	(plastic deformati	on is when a material										
Homework	Kerboodle task	suitable to ability of	Kerboodle task	suitable to ability of	Kerboodle task	suitable to ability of	Kerboodle task	suitable to ability of	Kerboodle task	suitable to ability of	Kerboodle task	suitable to ability of
	group.	·····, ··	group.	,	group.	,	group.	,	group.	,	group.	,
Assessment this	6 mark in class c	question	6 mark in class o	question	w/b 27 th Mar –	10b Genes	w/b 27 th Mar –	10b Genetic	6 mark in class	question	w/b 20 th Mar –	10b Genes
half-term												
Career	LIFE SKILLS: Under	rstanding of how	LIFE SKILLS: Und	lerstanding the	LIFE SKILLS: Un	derstanding how	LIFE SKILLS: Und	lerstanding the	LIFE SKILLS:	Coologist	LIFE SKILLS: Un	derstanding how
Employment Links	EMPLOYMENT: M	lanual handling,	FMPLOYMENT.	Geologist		eu Forensic scientist	FMPLOYMENT	Natural sciences	EIVIPLOTIVIEINT	Geologist	EMPLOYMENT	eu · Forensic scientist
Employment Emili	material scientist,	civil engineer		Geologist	LIVIT LOTIVILIUT.							
Employability Skills	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy
	Creativity	Numeracy Indonondonoo	Creativity	Numeracy	Creativity	Numeracy Independence	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy Indonendence
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication
	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork
	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	
	Staying positive	a mayyark	Staying positive	homowork	Staying positive	homowork	Staying positive	haadla hamawark	Staying positive	homowork	Staying positive	homowork
	TTZ: Kerboodie r	IOMEWORK		nomework	TTZ: Kerboodie	nomework	and research fo	r student	TTZ: Kerboodie	nomework	TTZ: Kerboodie	nomework
							presentation	i student				
	X1 (JFW)		X1 (DHN)		X1 (JAD)		X2/X3/X5		X4 (AEC)		X4 (SMS)	
Week 26	Lesson 1: 1.3.1 F	riction and drag -	Lesson 1: 7.1.2 S	Sedimentary Rocks	Lesson 1: 10.4.4	4 Genetic	Lesson 1: 10.3.4	Preserving	Lesson 1: 7.1.2	Sedimentary Rocks	Lesson 1: Test	
(w/b 20 th Mar)	experiment				modification		biodiversity				Lesson 2: Test	feedback
							Lesson 2: 10.4.1	Inheritance				
							DNA from kiwi r	DNA – extracting				
1							Brachonikiwi					

Key Words Level 2 Level 3	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	Identify, describe, explain Allele, gene, dominant, recessive, characteristic, inheritance, gamete, chromosome, probability	Identify, describe, explain Allele, gene, dominant, recessive, characteristic, inheritance, gamete, chromosome, probability	Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	Identify, describe, explain Allele, gene, dominant, recessive, characteristic, inheritance, gamete, chromosome, probability
Common Misconceptions	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	The Earth is flat	That genes cannot be altered	Plants don't have DNA	The Earth is flat	Identified from assessment
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	6 mark in class question	6 mark in class question	w/b 27 th Mar – 10b Genes	w/b 27 th Mar – 10b Genetic	6 mark in class question	w/b 20 th Mar – 10b Genes
Career opportunities Employment Links	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	LIFE SKILLS: Understanding how to recognise different rocks EMPLOYMENT: Geologist	LIFE SKILLS: Understanding 'designer' babies EMPLOYMENT: Geneticist	LIFE SKILLS: Understanding how DNA can be used EMPLOYMENT: Forensic scientist	LIFE SKILLS: Understanding how to recognise different rocks EMPLOYMENT: Geologist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
Week 27 (w/b 27 th Mar)	X1 (JFW) Lesson 1: 1.3.1 Friction and drag – analysis and evaluation	X1 (DHN) Lesson 1: 7.1.3 Igneous & Metamorphic Rocks	X1 (JAD) Lesson 1: Test	X2/X3/X5 Lesson 1: 10.4.3 Genetics Lesson 2: 10.4.4 Genetic modification Lesson 3: Test	X4 (AEC) Lesson 1: 7.1.3 Igneous & Metamorphic Rocks	X4 (SMS) Lesson 1: 1.3.1 Friction and drag Lesson 2: 1.3.1 Friction and drag - experiment
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	Identify, describe, explain Allele, gene, dominant, recessive, characteristic, inheritance, gamete, chromosome, probability	Identify, describe, explain Allele, gene, dominant, recessive, characteristic, inheritance, gamete, chromosome, probability	Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces
Common Misconceptions	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	The Earth is flat	Identified from assessment	Identified from assessment	The Earth is flat	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
	group.	group.	group.	group.	group.	group.
Assessment this half-term	6 mark in class question	6 mark in class question	w/b 27 th Mar – 10b Genes	w/b 27 th Mar – 10b Genetic	6 mark in class question	6 mark in class question
Career opportunities Employment Links	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	LIFE SKILLS: Understanding how different rocks are formed EMPLOYMENT: Geologist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how different rocks are formed EMPLOYMENT: Geologist	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer

Employability Skills	Aiming high	Literacy	Aiming high	Literacy	<mark>Aiming high</mark>	<mark>Literacy</mark>	Aiming high	Literacy	Aiming high	Literacy	Aiming high	Literacy
	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	<mark>Numeracy</mark>
	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication
	Presenting	<mark>Teamwork</mark>	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	<mark>Teamwork</mark>
	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	
	Staying positive		Staying positive		Staying positive		Staying positive		Staying positive		Staying positive	
IT Skills	IT2: Kerboodle h	omework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle h	nomework

Summer 1			Yea	ar 9		
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)
Week 28 (w/b 17 th Apr)	Lesson 1: 1.3.2 Squashing and stretching	Lesson 1: 7.1.4 The Rock Cycle	Lesson 1: Exemplars	Lesson 1: Exemplars Lesson 2: Feedback Lesson 3: Feedback	Lesson 1: 7.1.4 The Rock Cycle	Lesson 1: 1.3.1 Friction and drag – analysis and evaluation Lesson 2: 1.3.2
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	ldentify, describe, explain, compare, evaluate	ldentify, describe, explain, compare, evaluate	Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces
Common Misconceptions	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	Flat earthers	Identified from assessment	Identified from assessment	Flat earthers	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
Assessment this half-term	6 mark in class question	6 mark in class question	6 mark in class question	w/b 22 nd May – 7b Earth test	6 mark in class question	6 mark in class question
Career opportunities Employment Links	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	LIFE SKILLS: Understanding how different rocks form EMPLOYMENT: Geologist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	LIFE SKILLS: Understanding how different rocks form EMPLOYMENT: Geologist	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)
Week 29 (w/b 24 th Apr)	Lesson 1: 1.3.2 Squashing and stretching	Lesson 1: 7.1.5 Ceramics	Lesson 1: Feedback	Lesson 1: 7.1.1 Structure of the Earth Lesson 2: 7.1.2 Sedimentary Rocks Lesson 3: 7.1.3 Igneous & Metamorphic Rocks	Lesson 1: 7.1.5 Ceramics	Lesson 1: 1.3.2 Squashing and stretching Lesson 2: 1.3.2 Squashing and stretching
Key Words	Identify, describe, explain	ldentify, describe, explain	Identify, describe, explain, compare,	ldentify, describe, explain	ldentify, describe, explain	ldentify, describe, explain

	Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism,	Mantle, crust, inner/outer core, diameter, radius.		Mantle, crust, inner/outer core, diameter, radius.	Mantle, crust, inner/outer core, diameter, radius.	Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism,
	mass, newton, non-contact force,	crystal/crystallisation, grain size,		crystal/crystallisation, grain size,	crystal/crystallisation, grain size,	mass, newton, non-contact force,
	static electricity, upthrust, water	layers, fossils, sedimentation,		layers, fossils, sedimentation,	layers, fossils, sedimentation,	static electricity, upthrust, water
	limit, extension, Hooke's law.	extrusive, intrusive, weathering,		extrusive, intrusive, weathering,	extrusive, intrusive, weathering,	limit, extension, Hooke's law.
	proportional, spring, lubricant, pascal,	erosion, deposition, transportation		erosion, deposition, transportation	erosion, deposition, transportation	proportional, spring, lubricant, pascal,
	pressure, balanced forces, stationary, unbalanced forces					pressure, balanced forces, stationary, unbalanced forces
Common	Types of resistance (drag particularly).	Creationism 'v' science	Identified from assessment	Creationism 'v' science	Creationism 'v' science	Types of resistance (drag particularly).
Misconceptions	Weight and mass being the same.					Weight and mass being the same.
	Plastic is a material and not a property					Plastic is a material and not a property
	does not return to its original shape).					does not return to its original shape).
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of
	group.	group.	group.	group.	group.	group.
Assessment this	6 mark in class question	6 mark in class question	6 mark in class question	w/b 22 nd May – 7b Earth test	6 mark in class question	6 mark in class question
half-term	LIFE CKULC, Understanding of how					
Career	forces act upon objects	LIFE SKILLS: Understanding now	LIFE SKILLS: Resilience	LIFE SKILLS: Understanding now to	LIFE SKILLS: Understanding how	forces act upon objects
Employment Links	EMPLOYMENT: Manual handling,	EMPLOYMENT: Geologist	EMPLOYMENT: Research scientist	EMPLOYMENT: Geologist	EMPLOYMENT: Geologist	EMPLOYMENT: Manual handling,
	material scientist, civil engineer			Elvir EormEnt. Geologist		material scientist, civil engineer
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity <mark>Numeracy</mark>
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence
	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork	Listening <u>Communication</u> Presenting Teamwork	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork	Listening Communication Presenting Teamwork
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework
			X1 (IAD)			
Week 20	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)
Week 30 (w/b Tues 2 nd May)	X1 (DHN) Lesson 1: 1.3.2 Squashing and	X1 (CRE) Lesson 1: 7.3.1 Global Warming	X1 (JAD) Lesson 1: 8.2.5 Unicellular	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle	X4 (AEC) Lesson 1: 7.3.1 Global Warming	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases
Week 30 (w/b Tues 2 nd May)	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching	X1 (CRE) Lesson 1: 7.3.1 Global Warming	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics	X4 (AEC) Lesson 1: 7.3.1 Global Warming	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction,	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation,	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core,	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation,	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction,
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, nowton, non-contact force	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable,	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria,	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius,	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable,	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, nowton, non contact force
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size,	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law,	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law,
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, proscure, balanced forces, stationary	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, proscure, balanced forces, stationary
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly).	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly).
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same.	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same.
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (alastic deformation is when a material
Week 30 (w/b Tues 2 nd May) Key Words	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape)	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation Creationism 'v' science	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape)
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex Kerboodle task suitable to ability of	X2/X3/X5 Lesson 1: 7.1.4 The Rock Cycle Lesson 2: 7.1.4 The Rock Cycle Lesson 3: 7.1.5 Ceramics Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation Creationism 'v' science	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions Homework	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group.	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group.	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex Kerboodle task suitable to ability of group.	X2/X3/X5Lesson 1: 7.1.4 The Rock CycleLesson 2: 7.1.4 The Rock CycleLesson 3: 7.1.5 CeramicsIdentify, describe, explainMantle, crust, inner/outer core,diameter, radius,crystal/crystallisation, grain size,layers, fossils, sedimentation,extrusive, intrusive, weathering,erosion, deposition, transportationCreationism 'v' scienceKerboodle task suitable to ability ofgroup.	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group.	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group.
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions Homework Assessment this half-term	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex Kerboodle task suitable to ability of group. 6 mark in class question	X2/X3/X5Lesson 1: 7.1.4 The Rock CycleLesson 2: 7.1.4 The Rock CycleLesson 3: 7.1.5 CeramicsIdentify, describe, explainMantle, crust, inner/outer core,diameter, radius,crystal/crystallisation, grain size,layers, fossils, sedimentation,extrusive, intrusive, weathering,erosion, deposition, transportationCreationism 'v' scienceKerboodle task suitable to ability ofgroup.w/b 22 nd May – 7b Earth test	X4 (AEC)Lesson 1: 7.3.1 Global WarmingIdentify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewableClimate change scepticsClimate change scepticsKerboodle task suitable to ability of group.6 mark in class question	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions Homework Assessment this half-term Career	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the	X2/X3/X5Lesson 1: 7.1.4 The Rock CycleLesson 2: 7.1.4 The Rock CycleLesson 3: 7.1.5 CeramicsIdentify, describe, explainMantle, crust, inner/outer core,diameter, radius,crystal/crystallisation, grain size,layers, fossils, sedimentation,extrusive, intrusive, weathering,erosion, deposition, transportationCreationism 'v' scienceKerboodle task suitable to ability ofgroup.w/b 22 nd May – 7b Earth testLIFE SKILLS: Understanding how	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding of how
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions Homework Assessment this half-term Career opportunities	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding of how forces act upon objects	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the causes and effects of global	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the differences between unicellular	X2/X3/X5Lesson 1: 7.1.4 The Rock CycleLesson 2: 7.1.4 The Rock CycleLesson 3: 7.1.5 CeramicsIdentify, describe, explainMantle, crust, inner/outer core,diameter, radius,crystal/crystallisation, grain size,layers, fossils, sedimentation,extrusive, intrusive, weathering,erosion, deposition, transportationCreationism 'v' scienceKerboodle task suitable to ability ofgroup.w/b 22 nd May – 7b Earth testLIFE SKILLS: Understanding howdifferent materials are made	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the causes and effects of global	X4 (SMS)Lesson 1: 1.4.1 Pressure in gasesLesson 2: 1.4.1 Pressure in gasesIdentify, describe, explainAir resistance, contact forces, friction,gram, gravity, kilogram, magnetism,mass, newton, non-contact force,static electricity, upthrust, waterresistance, weight, compress, elasticlimit, extension, Hooke's law,proportional, spring, lubricant, pascal,pressure, balanced forces, stationary,unbalanced forcesTypes of resistance (drag particularly).Weight and mass being the same.Plastic is a material and not a property(plastic deformation is when a materialdoes not return to its original shape).Kerboodle task suitable to ability ofgroup.6 mark in class questionLIFE SKILLS: Understanding of howforces act upon objects
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material and indiang, material and indiang,	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the causes and effects of global warming	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the differences between unicellular and multicellular	X2/X3/X5Lesson 1: 7.1.4 The Rock CycleLesson 2: 7.1.4 The Rock CycleLesson 3: 7.1.5 CeramicsIdentify, describe, explainMantle, crust, inner/outer core,diameter, radius,crystal/crystallisation, grain size,layers, fossils, sedimentation,extrusive, intrusive, weathering,erosion, deposition, transportationCreationism 'v' scienceKerboodle task suitable to ability ofgroup.w/b 22 nd May – 7b Earth testLIFE SKILLS: Understanding howdifferent materials are madeEMPLOYMENT: Geologist	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the causes and effects of global warming	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material and noting,
Week 30 (w/b Tues 2 nd May) Key Words Common Misconceptions Homework Assessment this half-term Career opportunities Employment Links	X1 (DHN) Lesson 1: 1.3.2 Squashing and stretching Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	X1 (CRE) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the causes and effects of global warming EMPLOYMENT: Climatologist	X1 (JAD) Lesson 1: 8.2.5 Unicellular organisms Identify, describe, explain Unicellular, cytoplasm, cell membrane, DNA, mitochondria, ribosomes That unicellular organisms are complex Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the differences between unicellular and multicellular EMPLOYMENT: Research scientist	X2/X3/X5Lesson 1: 7.1.4 The Rock CycleLesson 2: 7.1.4 The Rock CycleLesson 3: 7.1.5 CeramicsIdentify, describe, explainMantle, crust, inner/outer core,diameter, radius,crystal/crystallisation, grain size,layers, fossils, sedimentation,extrusive, intrusive, weathering,erosion, deposition, transportationCreationism 'v' scienceKerboodle task suitable to ability ofgroup.w/b 22 nd May – 7b Earth testLIFE SKILLS: Understanding howdifferent materials are madeEMPLOYMENT: Geologist	X4 (AEC) Lesson 1: 7.3.1 Global Warming Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable Climate change sceptics Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding the causes and effects of global warming EMPLOYMENT: Climatologist	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape). Kerboodle task suitable to ability of group. 6 mark in class question LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer

IT Skills	LeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveIT2: Kerboodle homework	LeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveIT2: Kerboodle homework	LeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveIT2: Kerboodle homework	LeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveIT2: Kerboodle homework	LeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveIT2: Kerboodle homework	LeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveIT2: Kerboodle homework	
Week 31 (w/b 8 th Apr)	X1 (DHN) Lesson 1: 1.4.1 Pressure in gases	X1 (CRE) Lesson 1: 7.3.2 The Carbon Cycle	X1 (JAD) Lesson 1: 8.2.3 – Specialised cells (Bacteria and protists)	X2/X3/X5 Lesson 1: 7.3.1 Global Warming Lesson 2: 7.3.2 The Carbon Cycle Lesson 3: 7.3.3 Climate Change	X4 (AEC) Lesson 1: 7.3.2 The Carbon Cycle	X4 (SMS) Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.2 Pressure in liquids	
Key Words	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	Identify, describe, explain Differentiated, nucleus, cytoplasm, cell membrane, cell wall, flagella, capsule	Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	
Common Misconceptions	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	Climate change sceptics	That only plant and animal cells specialise	Climate change sceptics	Climate change sceptics	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	
	group.	group.	group.	group.	group.	group.	
Assessment this half-term	6 mark in class question	6 mark in class question	6 mark in class question	w/b 22 ^m May – 7b Earth test	6 mark in class question	o mark in class question	
Career opportunities Employment Links	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	LIFE SKILLS: Understanding how carbon moves through the environment EMPLOYMENT: Climatologist	LIFE SKILLS: Understanding the roles for different types of cells EMPLOYMENT: Cellular biologist	LIFE SKILLS: Understanding how carbon moves through the environment EMPLOYMENT: Climatologist	LIFE SKILLS: Understanding how carbon moves through the environment EMPLOYMENT: Climatologist	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
	X1 (DHN)	X1 (CRF)	X1 (IAD)	x2/x3/x5	X4 (AFC)	X4 (SMS)	
Week 32 (w/b 15 th May)	Lesson 1: 1.4.1 Pressure in gases	Lesson 1: 7.3.3 Climate Change	Lesson 1: 9.1.3 – Ecosystems: Decomposers	Lesson 1: 7.4.1 Extracting Metals – CuO practical Lesson 2: 7.4.1 Extracting Metals – Ox and Red Lesson 3: 7.4.2 Recycling	Lesson 1: 7.3.3 Climate Change	Lesson 1: 1.4.3 Stress on solids – stiletto heel practical Lesson 2: 1.4.3 Stress on solids – stiletto heel practical	
Key Words	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	Identify, describe, explain Ecosystem, nutrient, decomposer, detritivore, digest	Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation, oxidation, reduction, reactivity, displacement	Identify, describe, explain Carbon Dioxide, radiation, wavelength, pollution, renewable, non-renewable	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	

Common Misconceptions	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	Climate change sceptics	That only worms are decomposers All metals are found naturally		Climate change sceptics	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	
Assessment this	group. 6 mark in class question	group. 6 mark in class question	group. 6 mark in class question	group. w/b 22 nd May – 7b Earth test	group. 6 mark in class question	group. 6 mark in class question	
Career opportunities Employment Links	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	LIFE SKILLS: Understanding the causes and effects of global warming EMPLOYMENT: Climatologist	LIFE SKILLS: Understanding how compost bins work EMPLOYMENT: Ecologist	LIFE SKILLS: EMPLOYMENT: Climatologist	LIFE SKILLS: Understanding the causes and effects of global warming EMPLOYMENT: Climatologist	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)	
Week 33 (w/b 22 nd May)	Lesson 1: 1.4.2 Pressure in liquids	Lesson 1: 7.4.1 Extracting Metals	Lesson 1: 9.1.3 – Ecosystems: Carbon cycle	Lesson 1: 7b Earth Test Lesson 2: Exemplars/Feedback Lesson 3: Exemplars/Feedback	Lesson 1: 7.4.1 Extracting Metals	Lesson 1: 1.4.3 Stress on solids – stiletto heel practical Lesson 2: 1.4.3 Stress on solids - calculations	
Key Words	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	Identify, describe, explain Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportation, oxidation, reduction, reactivity, displacement	Identify, describe, explain Combustion, respiration, photosynthesis, decay, detritivore, decomposer	evaluate Mantle, crust, inner/outer core, diameter, radius, crystal/crystallisation, grain size, layers, fossils, sedimentation, extrusive, intrusive, weathering, erosion, deposition, transportati oxidation, reduction, reactivity, displacement		Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	
Common Misconceptions	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	All metals are found naturally	That the carbon cycle is just a chemical process	Identified from assessment	All metals are found naturally	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	
Assessment this half-term Career	6 mark in class question LIFE SKILLS: Understanding of how forces act upon objects	6 mark in class question LIFE SKILLS: Understanding how metals can be extracted	6 mark in class question LIFE SKILLS: Understanding the	w/b 22 nd May – 7b Earth test LIFE SKILLS: Resilience EMPLOYMENT: Research scientist	6 mark in class question LIFE SKILLS: Understanding how metals can be extracted	6 mark in class question LIFE SKILLS: Understanding of how forces act upon objects	
Employment Links	EMPLOYMENT: Manual handling, material scientist, civil engineer	EMPLOYMENT: Climatologist	EMPLOYMENT: Environmental scientist	Lin Lonnent. Research scientist	EMPLOYMENT: Climatologist	EMPLOYMENT: Manual handling, material scientist, civil engineer	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveIT2: Kerboodle homework	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveLT2: Kerboodle bomework	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveLT2: Kerboodle homework	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveLT2: Kerboodle bomework	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveLT2: Kerboodle bomework	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positiveLT2: Kerboodle bomework	
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Summer 2 Year 9									
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)			
Week 34	Lesson 1: 1.4.3 Stress on solids	Lesson 1: 7.4.2 Recycling	Lesson 1: Review 9.4 -	Lesson 1: 1.3.1 Friction and drag	Lesson 1: 7.4.2 Recycling	Lesson 1: 1b Forces Test			
(w/b 5 th Jun)			Photosynthesis	Lesson 2: 1.3.1 Friction and drag		Lesson 2: Exemplars/Feedback			
				Lesson 3: 1.3.1 Friction and drag					
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	ldentify, describe, explain			
Level 2	Air resistance, contact forces, friction,	Mantle, crust, inner/outer core,	Unit specific keywords taken from	Air resistance, contact forces, friction,	Mantle, crust, inner/outer core,				
Level 3	mass, newton, non-contact force.	wton non-contact force		mass, newton, non-contact force.	diameter, radius,				
	static electricity, upthrust, water resistance, weight, compress, elastic extrusive, intrusive, weathering.			static electricity, upthrust, water	crystal/crystallisation, grain size,				
			resistance, weight, compress, elastic	averusive intrusive weathering					
	limit, extension, Hooke's law,	erosion denosition transportation		limit, extension, Hooke's law,	erosion deposition transportation				
	proportional, spring, lubricant, pascal,	oxidation reduction reactivity		proportional, spring, lubricant, pascal,	oxidation reduction reactivity				
	pressure, balanced forces, stationary,	displacement, reduce, reuse.		pressure, balanced forces, stationary,	displacement, reduce, reuse.				
	unbalanceu forces	recycle		unbalanceu lorces	recycle				
Common	Types of resistance (drag particularly).	Everything can be recycled	Identified through active	Types of resistance (drag particularly).	Everything can be recycled	Identified from assessment			
Misconceptions	Weight and mass being the same.		questioning	Weight and mass being the same.					
	Plastic is a material and not a property			Plastic is a material and not a property					
	(plastic deformation is when a material does not return to its original shape)			(plastic deformation is when a material does not return to its original shape)					
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of				
inometronk.	group.	group.	group.	group.	group.	group.			
Assessment this	w/b 26 th June – 1b Forces Online	Online test – w/b 3 rd July	w/b 19 th June – Earth Online test –	w/b 3 rd July – 1b Forces Online test	w/b 19 th June – Earth Online test –	w/b 5 th June – 1b Forces Online			
half-term	test – w/b 3 rd July End of year tests	End of year tests	w/b 3 rd July	– w/b 3 rd July End of year tests	w/b 3 rd July	test – w/b 3 rd July End of year tests			
			End of year tests		End of year tests				
Career	LIFE SKILLS: Understanding of how	LIFE SKILLS: Understanding how to	LIFE SKILLS: Understanding what	LIFE SKILLS: Understanding of how	LIFE SKILLS: Understanding how to	LIFE SKILLS: Understanding of how			
opportunities	forces act upon objects	recycle	plants need to grow	forces act upon objects	recycle	forces act upon objects			
Employment Links	EMPLOYMENT: Manual handling,	EMPLOYMENT: Climatologist	EMPLOYMENT: Horticulture,	EMPLOYMENT: Manual handling,	EMPLOYMENT: Climatologist	EMPLOYMENT: Manual handling,			
	material scientist, civil engineer		agriculture, forestry, farming	material scientist, civil engineer					
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy			
	Leadershin Independence	Leadershin Independence	Leadershin Independence	Leadershin Independence	Leadershin Independence	Leadershin Independence			
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication			
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork			
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving			
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive			
	X1 (DHN)	X1 (CRE)	X1 (JAD)	x2/x3/x5	X4 (AEC)	X4 (SMS)			
Week 35	Lesson 1: 1.4.3 Stress on solids –	Lesson 1: Revision	Lesson 1: Review 9.3 - Respiration	Lesson 1: 1.3.2 Squashing and	Lesson 1: Revision	Lesson 1: 8.2.5 Unicellular			
(w/b 12 th Jun)	stiletto heel practical			stretching		organisms			
	·			Lesson 2: 1.3.2 Squashing and		Lesson 2: 8.2.3 – Specialised cells			
				stretching – Hooke's Law practical		(Bacteria and protists)			
				Lesson 3: 1.3.2 Squashing and					
				stretching – Hooke's Law analysis					
				and evaluation					
Key Words	Identify, describe, explain	Identify, describe, explain Mantle, crust, inper/outer core	Identity, describe, explain	Air resistance, contact forces, friction	Identify, describe, explain Mantle, crust, inper/outer core	Identify, describe, explain			
Level 2	gram, gravity, kilogram, magnetism.	diameter, radius	HT1-5 plans	gram, gravity, kilogram, magnetism.	diameter, radius	membrane DNA mitochondria			
Levers	mass, newton, non-contact force,	crystal/crystallisation grain size		mass, newton, non-contact force,	crystal/crystallisation_grain_size	ribosomes differentiated nucleus			
	static electricity, upthrust, water	lavers, fossils, sedimentation		static electricity, upthrust, water	lavers, fossils, sedimentation	cell wall, flagella, capsule			
	resistance, weight, compress, elastic	extrusive, intrusive, weathering.		resistance, weight, compress, elastic	extrusive, intrusive, weathering.				
	limit, extension, Hooke's law,	erosion, deposition, transportation,		limit, extension, Hooke's law,	erosion, deposition, transportation.				
	proportional, spring, lubricant, pascal, pressure, balanced forces, stationary	oxidation, reduction, reactivity,		proportional, spring, lubricant, pascal,	oxidation, reduction, reactivity,				
	unbalanced forces	displacement, reduce, reuse,		unbalanced forces	displacement, reduce, reuse,				
		recycle			recycle				

Common Misconceptions	Types of resistance Weight and mass Plastic is a materia (plastic deformation does not return to	e (drag particularly). being the same. al and not a property on is when a material b its original shape).). Identified through active questioning ty rial		Identified through active questioningTypes of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).		Identified through active questioning		Only members of the animal kingdom have specialised cells				
Homework	Kerboodle task s	uitable to ability of	Kerboodle task suitable to ability of		Kerboodle task	Kerboodle task suitable to ability of		Kerboodle task suitable to ability of		Kerboodle task suitable to ability of		k suitable to ability of	
Assessment this half-term	w/b 26 th June – 2 test – w/b 3 rd Jul	Lb Forces Online y End of year tests	w/b 19 th June – Earth Online test – w/b 3 rd July End of year tests		Online test – w/b 3 rd July End of year tests		w/b 3 rd July – 1 – w/b 3 rd July E	w/b 3 rd July – 1b Forces Online test – w/b 3 rd July End of year tests		w/b 19 th June – Earth Online test – w/b 3 rd July End of year tests		w/b 5 th June – 1b Forces Online test – w/b 3 rd July End of year tests	
Career	LIFE SKILLS: Under	standing of how	LIFE SKILLS: Res	ilience and	LIFE SKILLS: Un	derstanding how to	LIFE SKILLS: Unde	erstanding of how	LIFE SKILLS: Resilience and		LIFE SKILLS: Understanding that		
opportunities Employment Links	EMPLOYMENT: M	anual handling,		Research scientist		levels in the body	EMPLOYMENT: N	Janual handling,	organisation	· Research scientist	different cells	have different roles	
Employment Links	material scientist,	civil engineer	science teacher	Research scientist,		Nutritionist	material scientist	t, civil engineer	science teache	r			
Employability Skills	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Literacy <mark>Numeracy</mark> Independence Communication <mark>Teamwork</mark>	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Literacy Numeracy Independence Communication Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Literacy Numeracy Independence Communication Teamwork	Aiming high Literacy Aim Creativity Numeracy Creativity Leadership Independence Leat Listening Communication List Presenting Teamwork Presenting Problem solving Pro Staving positive		Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Literacy Numeracy Independence Communication Teamwork	Aiming high Creativity Leadership Listening Presenting Problem solving Staying positive	Literacy Numeracy Independence Communication Teamwork	
IT Skills	IT2: Kerboodle h	omework	IT2: Kerboodle h	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	e homework	
Week 36 (w/b 19 th Jun)	Lesson 1: 1.4.3 S stiletto heel prac	tress on solids – ctical	s on solids – Lesson 1: 7b Earth Test		Lesson 1: Review 10.3 - Evolution		Lesson 1: 1.4.1 Pressure in gases Lesson 2: 1.4.1 Pressure in gases Lesson 3: 1.4.2 Pressure in liquids		Lesson 1: 7b Earth Test		Lesson 1: 9.1.3 – Ecosystems: Decomposers Lesson 2: 9.1.3 – Ecosystems: Carbon cycle		
Key Words <mark>Level 2</mark> Level 3	Identify, describe, Air resistance, con gram, gravity, kilo, mass, newton, nor static electricity, u resistance, weight limit, extension, H proportional, sprin pressure, balanced unbalanced forces	explain tact forces, friction, gram, magnetism, n-contact force, pthrust, water , compress, elastic ooke's law, ng, lubricant, pascal, d forces, stationary,	Identify, describe, explainfriction,Mantle, crust, inner/outer core,diameter, radius,rce,crystal/crystallisation, grain size,iarlayers, fossils, sedimentation,elasticextrusive, intrusive, weathering,, pascal,oxidation, reduction, reactivity,displacement, reduce, reuse,		Unit specific keywords taken from HT1-5 plans		Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces		Identify, describ Mantle, crust, i diameter, radiu crystal/crystall layers, fossils, s extrusive, intru erosion, depos oxidation, redu displacement, recycle	e, explain inner/outer core, us, isation, grain size, sedimentation, usive, weathering, ition, transportation, iction, reactivity, reduce, reuse,	Identify, descrit Ecosystem, nu detritivore, dia respiration, ph excretion	be, explain trient, decomposer, gest, Combustion, notosynthesis, decay,	
Common Misconceptions	Types of resistance Weight and mass I Plastic is a materia (plastic deformation does not return to	e (drag particularly). being the same. al and not a property on is when a material its original shape).	Identified from	tified from assessment		Identified through active questioning		Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape)		assessment	That only wor	ms are decomposers	
Homework	Kerboodle task s group.	uitable to ability of	Kerboodle task s group.	suitable to ability of	Kerboodle task group.	suitable to ability of	Kerboodle task group.	suitable to ability of	Kerboodle task group.	suitable to ability of	Kerboodle tas group.	k suitable to ability of	
Assessment this	w/b 26 th June – 2	Lb Forces Online	w/b 19 th June –	Earth Online test –	Online test – w	r/b 3 rd July	w/b 3 rd July – 1	b Forces Online test	w/b 19 th June -	- Earth Online test –	w/b 5 th June –	1b Forces Online	
half-term	test – w/b 3 rd Jul	y End of year tests	w/b 3 rd July		End of year tes	End of year tests		nd of year tests	w/b 3 rd July		test – w/b 3 rd	July End of year tests	
Career opportunities Employment Links	LIFE SKILLS: Under forces act upon ob EMPLOYMENT: Ma material scientist,	standing of how ojects anual handling, civil engineer	LIFE SKILLS: Resi organisation EMPLOYMENT: science teacher	s ilience and Research scientist,	LIFE SKILLS: Be evidence to dra EMPLOYMENT biologist	ing able to evaluate aw conclusions : Evolutionary	LIFE SKILLS: Understanding of how forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer		LIFE SKILLS: Resilience and organisation EMPLOYMENT: Research scientist, science teacher		LIFE SKILLS: Understanding how compost bins work EMPLOYMENT: Ecologist		
Employability Skills	Aiming high Creativity Leadership	Literacy Numeracy Independence	Aiming high Creativity Leadership	Literacy Numeracy Independence	Aiming high Creativity Leadership	Literacy Numeracy Independence	Aiming high Creativity Leadership	Literacy Numeracy Independence	Aiming high Creativity Leadership	Literacy Numeracy Independence	Aiming high Creativity Leadership	Literacy Numeracy Independence	
	LISTELLING	Communication	LISTELLING	Communication		communication		Communication	LISTELLING	communication	LISTELLING	Communication	

	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	Presenting Teamwork Problem solving Staying positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)	
Week 37 (w/b 26 th Jun)	Lesson 1: 1b Forces Test	Lesson 1: Exemplars/Feedback	Lesson 1: Review 10.4 - Inheritance	Lesson 1: 1.4.3 Stress on solids – stiletto heel practical Lesson 2: 1.4.3 Stress on solids – stiletto heel practical Lesson 3: 1.4.3 Stress on solids – stiletto heel practical	Lesson 1: Exemplars/Feedback	Lesson 1: Review 9.4 - Photosynthesis Lesson 2: Review 9.3 - Respiration	
Key Words Level 2 Level 3	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	Identify, describe, explain	<mark>Identify, describe, explain</mark> Unit specific keywords taken from HT1-5 plans	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	Identify, describe, explain	Identify, describe, explain Unit specific keywords taken from HT1-5 plans	
Common Misconceptions	Identified from assessment	Identified from assessment	Identified through active questioning	Types of resistance (drag particularly). Weight and mass being the same. Plastic is a material and not a property (plastic deformation is when a material does not return to its original shape).	Identified from assessment	Identified through active questioning	
Homework	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	
Assessment this	w/b 26 th June – 1b Forces Online	Online test – w/b 3 rd July	Online test – w/b 3 rd July	w/b 3 rd July – 1b Forces Online test	Online test – w/b 3 rd July	Online test – w/b 3 rd July End of	
half-term	test – w/b 3 rd July End of year tests	End of year tests	End of year tests	– w/b 3 rd July End of year tests	End of year tests	year tests	
Career	LIFE SKILLS: Understanding of how	LIFE SKILLS: Resilience and	LIFE SKILLS: Understanding how	LIFE SKILLS: Understanding of how	LIFE SKILLS: Resilience and	LIFE SKILLS: Understanding how	
opportunities Employment Links	forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	organisation EMPLOYMENT: Research scientist, science teacher	characteristics are inherited EMPLOYMENT: Geneticist	forces act upon objects EMPLOYMENT: Manual handling, material scientist, civil engineer	organisation EMPLOYMENT: Research scientist, science teacher	'food' is used in plants and animals EMPLOYMENT: Zoologist	
Employability Skills	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	Aiming highLiteracyCreativityNumeracyLeadershipIndependenceListeningCommunicationPresentingTeamworkProblem solvingStaying positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)	
Week 38 (w/b 3 rd July)	Lesson 1: Exemplars	Lesson 1: Online Test	Lesson 1: Review catch up unit (8.2.5/8.2.3/9.1.3)	Lesson 1: 1b Forces Test Lesson 2: Exemplars Lesson 3: Online test	Lesson 1: Online Test	Lesson 1: Review 10.3 - Evolution Lesson 2: Review 10.4 - Inheritance	
Key Words <mark>Level 2</mark> Level 3	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	<mark>ldentify, describe, explain</mark> Unit specific keywords taken from HT1-5 plans	<mark>Identify, describe, explain</mark> Unit specific keywords taken from HT1-5 plans	Identify, describe, explain Air resistance, contact forces, friction, gram, gravity, kilogram, magnetism, mass, newton, non-contact force, static electricity, upthrust, water resistance, weight, compress, elastic limit, extension, Hooke's law, proportional, spring, lubricant, pascal, pressure, balanced forces, stationary, unbalanced forces	<mark>ldentify, describe, explain</mark> Unit specific keywords taken from HT1-5 plans	<mark>ldentify, describe, explain</mark> Unit specific keywords taken from HT1-5 plans	

Common	Identified from assessment	Identified from assessment	Identified through active	Identified from assessment	Identified from assessment	Identified through active	
Misconceptions			questioning			questioning	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	
A	group.	group.	group.	group.	group.	group.	
Assessment this	Unline test – W/b 3 rd July End of	Unline test – W/D 3 rd July	Unline test – W/D 3 rd July	W/b 3 rd July – 1b Forces Unline test	Online test – W/D 3 rd July	Unine test - w/b 5 July Ellu Of	
nait-term	year tests	End of year tests	End of year tests	- W/D 3 rd July End of year tests	End of year tests	year tests	
Career	forces act upon objects	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	forces act upon objects	LIFE SKILLS: Resilience and	LIFE SKILLS: Understanding now	
Employment Links	EMPLOYMENT: Manual handling,	EMPLOYMENT: Posearch scientist	EMPLOYMENT: Posearch scientist	EMPLOYMENT: Manual handling,	EMPLOYMENT: Posearch scientist		
Linployment Links	material scientist, civil engineer	science teacher	science teacher	material scientist, civil engineer	science teacher	LIVIP LOTIVIENT. Geneticist	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	
	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	Leadership Independence	
	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	Listening Communication	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving Staving positive	Problem solving Staving positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
	X1 (DHN)	X1 (CRE)	X1 (JAD)	X2/X3/X5	X4 (AEC)	X4 (SMS)	
Week 39	Lesson 1: Feedback	Lesson 1: End of KS3 revision/test	Lesson 1: End of KS3 test	Lesson 1: 8.2.5 Unicellular	Lesson 1: End of KS3 revision/test	Lesson 1: Review catch up unit	
(w/b 10 th July)				organisms		(8.2.5/8.2.3/9.1.3)	
				Lesson 2: 8.2.3 – Specialised cells		Lesson 2: End of KS3 test	
				(Bacteria and protists)			
			Lesson 3: 9.1.3 – Ecosystems:				
				Decomposers			
Key Words	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	Identify, describe, explain	
Level 2	gram, gravity, kilogram, magnetism.	HT1-5 plans	HT1-5 plans	membrane DNA mitochondria	HT1-5 plans	HT1-5 plans	
	mass, newton, non-contact force,			ribosomes differentiated nucleus			
	static electricity, upthrust, water			cell wall, flagella, capsule.			
	resistance, weight, compress, elastic			ecosystem, nutrient, decomposer,			
	limit, extension, Hooke's law,			detritivore, digest			
	pressure, balanced forces, stationary,						
	unbalanced forces						
Common	Identified from assessment	Identified from assessment	Identified from assessment	That only worms are decomposers	Identified from assessment	Identified through active	
Misconceptions						questioning	
Homework	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	Kerboodle task suitable to ability of	
Accorrent this	End of year tests	Find of year tests	Find of year tests	group.	group.	group.	
half-term	בוים טו אבמו ובצוצ						
Career	LIFE SKILLS: Understanding of how	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	LIFE SKILLS: Understanding how	LIFE SKILLS: Resilience and	LIFE SKILLS: Resilience and	
opportunities	forces act upon objects	organisation	organisation	compost bins work	organisation	organisation	
Employment Links	EMPLOYMENT: Manual handling,	EMPLOYMENT: Research scientist,	EMPLOYMENT: Research scientist,	EMPLOYMENT: Ecologist	EMPLOYMENT: Research scientist,	EMPLOYMENT: Research scientist,	
	material scientist, civil engineer	science teacher	science teacher		science teacher	science teacher	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	
	Leadership independence	Leadership independence	Leadership independence	Leadership independence	Leadership independence	Leadership independence	
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	
	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	Problem solving	
	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	Staying positive	
IT Skills	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	IT2: Kerboodle homework	
Week 242	X1 (DHN)	X1 (CRE)	X1 (JAD)	x2/x3/x5	X4 (AEC)	X4 (SMS)	
	Lesson 1: End of year Test	Lesson 1: End of KS3 revision/test	Lesson 1: Exemplars	Lesson 1: 9.1.3 – Ecosystems:	Lesson 1: End of KS3 revision/test	Lesson 1: Exemplars	
(w/o 1/)uiy)				Carbon cycle		Lesson 2: Feedback	

							Lesson 2: End of KS3 test						
							Lesson 3: Exem	plars					
Key Words	Identify, describ	<mark>e, explain</mark>	Identify, describe	e <mark>, explain</mark>	Identify, describe	<mark>e, explain</mark>	Identify, describe	<mark>, explain</mark>	<mark>ldentify, describe, explain</mark>		Identify, describe, explain		
Level 2	Unit specific ke	eywords taken from	Unit specific ke	ywords taken from	Unit specific ke	eywords taken from	Combustion, re	spiration,	Unit specific k	eywords taken from	Unit specific ke	eywords taken from	
Level 3	HT1-5 plans		HT1-5 plans		HT1-5 plans		photosynthesis,	decay, detritivore,	HT1-5 plans		HT1-5 plans		
							decomposer						
Common	Identified from	n assessment	Identified from	assessment	Identified from	assessment	That the carbor	i cycle is just a	Identified fror	n assessment	Identified from	n assessment	
Misconceptions							chemical proces	SS					
Homework	Kerboodle tas	<pre>suitable to ability of</pre>	Kerboodle task suitable to ability of K		Kerboodle task	suitable to ability of	Kerboodle task	suitable to ability of	Kerboodle tas	k suitable to ability of	Kerboodle task suitable to ability of		
	group.		group. g		group.		group.		group.		group.		
Assessment this	End of year tests End of year tests		ts	End of year tests		End of year tests		End of year tests		End of year tests			
half-term													
Career	LIFE SKILLS: Re	silience and	LIFE SKILLS: Res	ilience and	LIFE SKILLS: Resilience and		LIFE SKILLS: Understanding the		LIFE SKILLS: Resilience and		LIFE SKILLS: Re	silience and	
opportunities	organisation		organisation		organisation		processes of the carbon cycle		organisation		organisation		
Employment Links	EMPLOYMENT	: Research scientist,	EMPLOYMENT:	Research scientist,	EMPLOYMENT	: Research scientist,	EMPLOYMENT: Environmental		EMPLOYMENT: Research scientist,		EMPLOYMENT: Research scientist,		
	science teache	er	science teache		science teache	r	scientist		science teacher		science teacher		
Employability Skills	<mark>Aiming high</mark>	Literacy	<mark>Aiming high</mark>	Literacy	<mark>Aiming high</mark>	Literacy	<mark>Aiming high</mark>	Literacy	<mark>Aiming high</mark>	<mark>Literacy</mark>	Aiming high	<mark>Literacy</mark>	
	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	Creativity	Numeracy	
	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	
	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	
	Problem solving		Problem solving		Problem solving		Problem solving		Problem solving	, second s	Problem solving		
	Staying positive		Staying positive		Staying positive		Staying positive		Staying positive		Staying positive		
IT Skills	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	homework	IT2: Kerboodle	e homework	IT2: Kerboodle	homework	