



## 2020-2021 Science Long Term Plan Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
1.1	<b><u>Mass and Gravity</u></b> Force meters - introduction	<b><u>Air Resistance</u></b> Enquiry Re-cap what makes a fair test Plan a fair test	<b><u>No Science</u></b>	<b><u>Air Resistance</u></b> Carry out fair test Record results Conclusion	<b><u>Feel the force</u></b> What makes things move?	<b><u>Feel the force</u></b> How can we use levers to help us?	<b><u>Feel the force</u></b> How can we lift a heavy load?	<b><u>Feel the force</u></b> Can a wheel with teeth make things easier?
1.2	<b><u>The earth and beyond</u></b> What's in space?	<b><u>The earth and beyond</u></b> What is a year?	<b><u>The earth and beyond</u></b> What is a day?	<b><u>The earth and beyond</u></b> How does the sun help us measure time?	<b><u>The earth and beyond</u></b> Why do we have seasons?	<b><u>The earth and beyond</u></b> What are our conclusions about sunrise and sunset times?	<b><u>The earth and beyond</u></b> Why does the moon change shape?	
2.1	<b><u>Everyday materials</u></b> Which materials are used in our school building, what for and why?	<b><u>Everyday materials</u></b> Weighty problem: which is the best carrier bag?	<b><u>Everyday materials</u></b> Which is the best type of plate to use?	<b><u>Get sorted</u></b> How can we compare and group materials?	<b><u>Get sorted</u></b> Is a solid always hard?	<b><u>Get sorted</u></b> Is a liquid always runny?		
2.2	<b><u>All change</u></b> Are the changes that happen around us reversible or non reversible?	<b><u>All change</u></b> How much gas can be produced by a non reversible change?	<b><u>All change</u></b> What happens when a candle burns?	<b><u>Marvellous mixtures</u></b> How can we separate mixtures?	<b><u>Marvellous mixtures</u></b> What makes a difference to how fast sugar or salt dissolves?	<b><u>Marvellous mixtures</u></b> How can we get drinkable water from seawater?		
3.1	<b><u>Our changing world</u></b> What signs of plant reproduction do we observe around our school	<b><u>Our changing world</u></b> How can we grow more plants without using seeds?	<b><u>Our changing world</u></b> Which plants are best to plant in our growing space?	<b><u>Our changing world</u></b> How can we ensure that plants yield as many crops as possible?	<b><u>Reproduction in plants and animals</u></b> How do flowering plants reproduce?	<b><u>Reproduction in plants and animals</u></b> How do amphibians and insects reproduce?		
3.2	<b><u>Reproduction in plants and animals</u></b> How do mammals and birds reproduce?	<b><u>Circle of life</u></b> What is a lifecycle?	<b><u>Circle of life</u></b> Mammals and birds	<b><u>Circle of life</u></b> Insects and amphibians	<b><u>Reproduction in plants and animals</u></b> How do girls become women?	<b><u>Reproduction in plants and animals</u></b> How do boys become men?	Assessment	