

Year 5 Academic Year Science Curriculum

Week	Subject	Topic
1	Working Scientifically	Planning an Experiment, Getting and Displaying results, Pattern and Predictions, Conclusions
2	Biology – Life Cycles	Life Cycles of Mammals, Birds and Insects
3	Biology – Life Cycles	Life Cycle of Amphibians, Animals and Plants
4	Physics – The Solar System	The Sun and Planets, The Earth, moon, Sun and Spheres
5	Physics – The Solar System	The movement of Earth. The movement of Other Planets. Changing Ideas About the Solar System –
6	Biology – Human Growth	Human Growth, Puberty
7	Biology – Human Growth	Humans and Other Animals
8	Physics – Mechanical Devices	Lever, Pulleys and Gears
9	Chemistry – Materials and Their Properties	Comparing Materials, Uses of Materials
10	Chemistry – Reversible Changes	Changes of State, Mixing and Separating Solids, Separating Mixtures by Filtering
11	Chemistry – Reversible Changes	Making Solutions, Separating Solutions –

12	Chemistry - States of Matter	Water Cycle, who invented the temperature scale
13	Practical Chemistry Lesson	Materials and the Water Cycle
14	Review and Test	Review and Test

Term 2 Week	Subject	Topic
1	Biology - Reproduction	Sexual Reproduction in Animals and plants A sexual Reproduction in Plants. Plant a seed experiment.
2	Physics – The Earth and Sun	Day and Night
3	Physics – The Moon	Moons, The Movement of the Moon, The Moon's Cycle
4	Chemistry – Irreversible Changes	Some Materials React
5	Chemistry – Irreversible Changes	Changes Due to Heating, More Reactions
6	Physics – Forces	Forces, Force meters, Forces and Movement
7	Physics – Friction	Friction, Water Resistance, Moving Through Water, Air Resistance
8	Physics – Gravity	Gravity & Gravity Mini Project Falling Objects
9	Physics – The way we see things	Light travels from a source
10	Physics – Shadows	Light travels in a straight line
11	Physics – Light	Investigating and measuring light intensity.
12	Practical Physics Lesson	Light and Shadows
13	Term 1 Review Lesson	Term 1 review
14	Review and End of Term test	Review and Test
15	Year 6 taster lesson	Inheritance
16	Year 6 taster lesson	Darwin and Evolution