

# Opportunities to Write at Length in Science



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	<b>BIOLOGY</b> Plants  Pupils label the parts of a plant	<b>BIOLOGY</b> Plant Growth  Pupils create a poster to show what a plant needs to grow	<b>CHEMISTRY</b> Rocks  Create a story board for how fossils are formed.	<b>BIOLOGY</b> Classifying Organisms  Pupils write a text about how an endangered species could be protected or about the threats to different species. This could be done as a fact sheet/ / poster or in any way children decide.	<b>CHEMISTRY</b> Separating Mixtures  Create a poster or fact sheet showing all the ways materials can be separated, explaining why you would use these methods- include pictures and diagrams	<b>PHYSICS</b> Electricity  Pupils create a piece of writing describing how electricity gets into our homes. This can be presented in any way pupils choose.
Autumn 2	<b>BIOLOGY / PHYSICS</b> Seasonal changes  Pupils write sentences linking to pictures of seasons. Children to have a sentence stem and say how they know it is that season.	<b>BIOLOGY</b> Needs of Animals  Create a leaflet or fact sheet about what animals need linking to MRS GREN	<b>PHYSICS</b> Light  Pupils write instructions for carrying out light investigation or write steps with pictures.	<b>BIOLOGY</b> Food & Digestion  Pupils write an explanation of the digestive system through pictures, diagrams and writing.	<b>BIO / CHEM / PHYSICS</b> Energy  N/A	<b>BIOLOGY</b> Evolution  Pupils write a text to show their understanding of how species have changed over time. This includes Darwin's natural selection and how/why creatures have evolved.
Spring 1	<b>CHEMISTRY</b> Everyday Materials  Children to label pictures of objects	<b>CHEMISTRY</b> Uses of Materials  Writing a response to a question using what they know including reasons e.g Why do we not use a chocolate teapot? What should I make my dog bed from?	<b>BIOLOGY</b> Organisms  Label different types of skeletons with explanations of what each bone protects – can be done as a fact sheet, poster or	<b>CHEMISTRY</b>  Pupils, in their own words write about and draw a diagram of the water cycle (lesson 6) using technical vocabulary.	<b>BIOLOGY</b> Life Cycles  Children to write in their own words about the life cycle of a hedgehog or a year in the life of a hedgehog (lesson 3)	<b>PHYSICS</b> Light  N/A

# Opportunities to Write at Length in Science (Continued)



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Spring 2	<b>Consolidation and Review</b> N/A	<b>BIOLOGY</b>  Pupils create a fact sheet with an animal from a hot or cold habitat and write about their adaptations for that habitat.	<b>BIOLOGY</b> <b>Plants</b>  Pupils write a how seeds are dispersed in the form of a poster or fact file.	<b>PHYSICS</b> <b>Sound</b>  Create a 'sound' booklet, poster or fact file explaining different aspects of sound that children have learnt about,	<b>BIOLOGY</b> <b>Human</b>  Write about being human from egg to elderly. Pupils draw on their learning from fertilisation up to being elderly and discuss changes that happen, shown through writing, pictures and diagrams.	<b>BIOLOGY</b> <b>Further Classification</b>  Pupils write a text about helpful and hurtful bacteria..
Summer 1	<b>BIOLOGY</b> <b>Animals</b>  Pupils write a short report about their favourite animal.	<b>CHEMISTRY</b> <b>Solids, Liquids and Gases</b>  Using pictures, pupils write an explanation of which states of matter can be seen in the picture, saying how they know it is that state of matter.	<b>PHYSICS</b> <b>Forces &amp; Motion</b>  Pupils write everything they have learnt about forces	<b>PHYSICS</b> <b>Electricity</b>  N/A	<b>PHYSICS</b> <b>Forces</b>  Pupils create a document which tells the reader all about the forces they have learnt about (gravity, friction, air resistance and water resistance) including pictures, diagrams and other scientific representations	<b>BIOLOGY</b> <b>Functions of the Human Body</b>  Pupils write an informative text about the dangers and effects of smoking and drugs.
Summer 2	<b>BIOLOGY</b> <b>Humans</b>  Pupils write sentences about the senses.	<b>Consolidation and Review</b> N/A	<b>PHYSICS</b> <b>Magnetism</b>  N/A	<b>CHEMISTRY</b> <b>Properties of Materials</b>  Pupils write about a toxic substance (mercury) in a way they choose to present it.	<b>PHYSICS</b> <b>Earth and Space</b>  Pupils create a 'space' fact sheet , report or booklet which links to learning in the lessons 1,2, 5	<b>CHEMISTRY</b> <b>Physical and Chemical Changes</b>  Pupils write a text explaining how human activity has caused the greenhouse effect.