

Devon Class – Year 3 and Year 4

	Aut A	Aut B	Spring A	Spring B	Sum A	Sum B
Science	<p>How could we cope without electricity for one day?</p> <p>National Curriculum: KS2 Science:</p> <p>Y4 Electricity</p> <p>Identify common appliances that run on electricity</p> <p>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</p> <p>Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery</p> <p>Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit</p> <p>Recognise some common conductors and insulators, and associate metals with being good conductors.</p>	<p>Why is the sound that ‘One Direction’ makes enjoyed by so many?</p> <p>National Curriculum: KS2 Science:</p> <p>Y4 Sound</p> <p>Identify how sounds are made, associating some of them with something vibrating</p> <p>Recognise that vibrations from sounds travel through a medium to the ear</p> <p>Find patterns between the pitch of a sound and features of the object that produced it</p> <p>Find patterns between the volume of a sound and the strength of the vibrations that produced it</p> <p>Recognise that sounds get fainter as the distance from the sound source increases.</p>	<p>What happens to the food we eat?</p> <p>National Curriculum: KS2 Science</p> <p>Y4 Animals, including humans</p> <p>Describe the simple functions of the basic parts of the digestive system in humans</p> <p>Identify the different types of teeth in humans and their simple functions</p> <p>Construct and interpret a variety of food chains, identifying producers, predators and prey.</p>	<p>What do rocks tell us about the way the Earth was formed?</p> <p>National Curriculum: KS2 Science:</p> <p>Y3 Rocks</p> <p>Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties</p> <p>Describe in simple terms how fossils are formed when things that have lived are trapped within rock</p> <p>Recognise that soils are made from rocks and organic matter.</p>	<p>Plants in the rainforest?</p> <p>Cover states of matter Y4?</p> <p>Y3 coverage?</p> <p>National Curriculum: KS2 Science:</p> <p>Y3/4 Working Scientifically</p>	<p>Which wild animals and plants thrive in your locality?</p> <p>National Curriculum: KS2 Science:</p> <p>Y3 Living things and their habitat</p> <p>Recognise that living things can be grouped in a variety of ways</p> <p>Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment</p> <p>Recognise that environments can change and that this can sometimes pose dangers to living things.</p>
<p>What happens to the food we eat? Y4 Animals, including humans - covered in Twist, Devon and Durban</p> <p>Y3 programme of study: Plants – covered in Twist Animals including humans – covered in Twist Light – Covered in Twist Forces and magnets – covered in Twist</p> <p>Yr 4 programme of study: States of matter – covered in Durban</p> <p>Suggestions to support coverage:</p>						

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Y3 Plants:

STEM

<https://www.stem.org.uk/resources/community/collection/12535/year-3-plants>

Science investigation pack

<http://www.ciec.org.uk/pdfs/resources/turf-troubles.pdf>

Yr 3 Animals, including humans:

STEM

<https://www.stem.org.uk/resources/community/collection/12601/year-3-animals-including-humans>

Yr 3 Light:

STEM

<https://www.stem.org.uk/resources/community/collection/12719/year-3-light>

<http://www.primaryscienceonline.org.uk/year-3-light/>

Y3 Forces and Magnets:

STEM

<https://www.stem.org.uk/resources/community/collection/12391/year-3-forces-and-magnets>

For all topics:

2016 teacher assessment exemplification

<https://www.gov.uk/government/publications/2016-teacher-assessment-exemplification-ks2-science>