



Copplesstone Primary School - Science Curriculum

	Term 1	Term 2	Term 3
Year 1	<p>Animals, including humans</p> <ul style="list-style-type: none"> - What is this animal? - How are animals different? - Do all animals eat the same thing? - What are our body parts called? - What are senses? - Are all humans the same? 	<p>Everyday Materials</p> <ul style="list-style-type: none"> - What are materials? - How are materials different? - What are objects made from? - How can we sort materials? - Which material would be best for an umbrella? - Which material would be best for curtains? 	<p>Plants</p> <ul style="list-style-type: none"> - What is a plant? - What are the parts of a plant called? - Do plants grow? - Do wild plants grow in our local area? - How can we group plants? - Can we eat plants? - Are trees a type of plant? - What is a leaf?
Year 2	<p>Animals including humans</p> <ul style="list-style-type: none"> - What do humans need? - What are offspring? - How do animals change as they grow into adults? - Do we all grow the same? - Do we need to exercise? - What is a healthy diet? - Why do we need to have good hygiene? - How can we feel better when we are ill? 	<p>Materials</p> <ul style="list-style-type: none"> - What are materials? - What are things made from? - Which material should the pigs make their house from? - Which material is protective? - How can we change materials? 	<p>Plants</p> <ul style="list-style-type: none"> - Which plants can we eat? - Are all seeds the same? - What do plants need? - Where will they grow? - How do plants grow and change? <p>Living things and their habitats</p> <ul style="list-style-type: none"> - Is it living, dead or never been alive? - What is a microhabitat? - How are habitats different around the world? - What conditions do woodlice prefer? - How are living things adapted to their habitat? - What is a food chain?

Year 3	<p>Animals including humans - Biology</p> <ul style="list-style-type: none"> - How does our skeleton help us? - Do our bones affect what we can do? - What do our muscles do? - Do all animals have the same skeleton? - What types of nutrition do we need? <p>Rocks and soils - Chemistry</p> <ul style="list-style-type: none"> - What are rocks? - Are all rocks the same? - How are rocks formed? - Which rocks make up the Earth? - What is soil? - How are fossils formed? 	<p>Forces and Magnets - Physics</p> <ul style="list-style-type: none"> - What is a force? - Do objects move the same on different surfaces? - How do magnetic forces work? - Which materials are magnetic? - Do magnets attract each other? - Are all magnets the same strength? 	<p>Plants - Biology</p> <ul style="list-style-type: none"> - What do plants need? - Do the different parts of the plant have a function? - What are roots? - How do plants transport water? - How do plants reproduce? <p>Light - Physics</p> <ul style="list-style-type: none"> - What is a light source? - What is reflected light? - Is the Sun dangerous? - What is a shadow? - Does moving the light source above the object make the object's shadow longer? - How do mirrors work? - How are seeds dispersed?
Year 4	<p>Living things and their habitats - Biology</p> <ul style="list-style-type: none"> - What are the seven life processes? - How can we sort and group animals? - What are vertebrate animals? - Which living things can be found in the local area? - What is a classification key? - How is our environment changing? <p>States of Matter - Chemistry</p> <ul style="list-style-type: none"> - What are solids, liquids and gases? - Do all liquids behave the same? - What is a thermometer used for? - How do materials change state? - What is the water cycle? - Do all liquids evaporate? - Does temperature affect the rate of evaporation? 	<p>Animals including Humans - Biology</p> <ul style="list-style-type: none"> - What is the digestive system? - Why are teeth different shapes? - What drink causes the most tooth decay? - How can I construct a food chain? <p>Electricity - Physics</p> <ul style="list-style-type: none"> - Which appliances use electricity? - How can I make a simple circuit? - Why don't some circuits work? - How can we test if a material is a conductor or an insulator? - How do switches affect a circuit? 	<p>Sound - Physics</p> <ul style="list-style-type: none"> - How are sounds made? - What is a sound vibration? - What is inside your ear? - Does the size of the pinna affect the volume of the sound? - What is pitch? - What is volume? - Which material is best at muffling sound?

Year 5

Earth and space - Physics

- What are the names of the planets in the solar system?
- How do we know the Earth is a sphere?
- How long does it take for Earth (and other planets) to orbit the Sun once?
- What is the largest object that orbits the Earth?
- Why is there day and night on Earth?
- Does the Moon change shape?

Materials - Chemistry

- What are the properties of solids, liquids and gases?
- How can I describe the properties of materials?
- Which materials make the best thermal insulators?
- Which materials are magnetic?
- Which materials are soluble, and which are insoluble?
- How can mixed materials be separated?
- What are irreversible changes?

Forces - Physics

- What is gravity?
- What is friction?
- Friction investigation
- Identify the effects of air resistance
- What is water resistance?
- Gears, levers and pulleys

Living things - Biology

- What are the seven life processes?
- How do mammals reproduce?
- Do animals reproduce in the same way?
- How do plants reproduce?
- What is a lifecycle?
- What are the stages in the lifecycle of a plant?

Animals including humans - Biology

- How do humans change throughout their life?
- How do we develop in the womb?
- How do we change through puberty?
- How do we change when we are older?

Year 6

Evolution - Biology

- How are plants adapted to their environment?
- How are animals adapted to their environment?
- What is natural selection, how does this lead to evolution?
- How do adaptations lead to evolution?
- What characteristics can you inherit from your parents?
- How can fossils help us explain evolution?

Electricity – Physics

- How do I draw a scientific diagram of a circuit?
- How does voltage in a circuit affect the brightness of a bulb?
- How do I plan a fair test experiment to investigate variations in how components function?
- How do I write a conclusion for my investigation?
- What is renewable and non-renewable energy?

Animals including humans - Heart and Blood - Biology

- What is the circulatory system?
- How does our heart work?
- How does exercise affect my heart rate?
- What does the blood transport around the body?
- How can I live a healthy lifestyle?
- What can damage our health?

Living things and their Habitats – Biology

- How are animals classified?
- What is a classification key?
- How can we classify plants?
- Is yeast a living microorganism?
- What are the five main groups of microorganisms?

Light - Physics

- How does light travel?
- Which materials make the best reflectors?
- How does the eye work?
- How do shadows change during the day?
- Why do objects look different in water?
- How do mirrors work?