

Science

Welcome to our Science Curriculum at St Peter's! Science is an important part of our curriculum, and here at St Peter's we try to ensure that all pupils are taught essential aspects of the knowledge, methods, processes and uses of science. At St Peter's our science curriculum provides the foundations for understanding the world by building up a body of key foundational knowledge and concepts and an understanding of how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

In order that all our children experience every topic, we use a rolling programme within each key stage, creating a more immersive experience. This also allows teachers within each key stage to share their knowledge and plan in teams. Below is a list of topics to be covered over the curriculum year 2020-2021 for each key stage (Cycle A), and for the curriculum year 2021-2022 (Cycle B).

EYFS Summary of Science (Reception)

Animals, excluding humans	<ul style="list-style-type: none">• Name and describe animals that live in different habitats• Describe different habitats
Humans	<ul style="list-style-type: none">• Describe people who are familiar to them• Learn about how to take care of themselves
Living things and their habitats	<ul style="list-style-type: none">• Explore the plants and animals in the surrounding natural environment• Explore plants and animals in a contrasting natural environment
Seasonal Changes	<ul style="list-style-type: none">• Play and explore outside in all seasons and in different weather• Observe living things throughout the year
Materials, including changing materials	<ul style="list-style-type: none">• Explore and make objects from a range of materials, including natural materials• Observe, measure and record how materials change when heated and cooled• Compare how materials change over time and in different conditions
Light	<ul style="list-style-type: none">• Explore shadows and rainbows
Forces	<ul style="list-style-type: none">• Explore how to change how things work• Explore how the wind can move objects• Explore how objects move in water
Sound	<ul style="list-style-type: none">• Listen to sounds outside and identify the source• Make sounds

Earth and Space	<ul style="list-style-type: none"> • Learn about the Solar System and stars • Learn about space travel
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Key Stage One Programme of Study (Year 1 and 2)

2021-2022 (Year A)	Animals/Humans Seasonal Changes	Everyday Materials	Living Things and their Habitats Plants
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2022-2023 (Year B)	Animals/Humans and Health Seasonal Changes	Uses of Everyday Materials	Plants – Growth
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Lower Key Stage Two Programme of Study (Year 3 and 4)

2021-2022 (Year A)	Animals Including Humans Teeth and Digestion	Electricity States of Matter	Sound Living Things and Their Habitats
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2022-2023 (Year B)	Rocks and Fossils Light	Animals Including Humans Forces and Magnets	Plants
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Upper Key Stage Two Programme of Study (Year 5 and 6)

2021-2022 (Year A)	Animals Including Humans Changes in Human Life Gestation	Earth and Space Forces	Light Electricity
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2022-2023 (Year B)	Animals and Humans	Properties and Changes of Materials	Evolution and Inheritance Living Things and their Habitats
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