Science Curriculum at Rygaards International Primary School



February, 2018

The Cambridge Primary Science curriculum is presented in four content areas: Scientific Enquiry, Biology, Chemistry and Physics. Scientific Enquiry is about considering ideas, evaluating evidence, planning investigative work and recording and analyzing data. The Scientific enquiry objectives underpin Biology, Chemistry and Physics, which are focused on developing confidence and interest in scientific knowledge. Environmental awareness and some history of science are also incorporated. The Cambridge Primary Science curriculum framework provides a solid foundation upon which the later stages of education can be built. This provides comprehensive learning objectives for each year group.

The Cambridge Curriculum is founded on the values of the University of Cambridge and best practice in schools. The curriculum is dedicated to developing learners who are confident, responsible, innovative and engaged. Each curriculum framework for Science is designed to engage learners in an active and creative learning journey.

For Cambridge Primary Science, the curriculum is presented in four content areas or 'strands'. These are further subdivided into 'substrands'. The four strands and substrands are:

Scientific enquiry

- Ideas and evidence
- Plan investigative work
- Obtain and present evidence
- Consider evidence and approach

Biology

- Plants
- Living things in their environment (from stage 2)
- Humans and animals

Chemistry

- Material properties
- Material changes (from stage 2)
- States of matter (from stage 4)

Physics

- Forces (forces and motion from stage 3)
- Light and dark (from stage 2)

- Electricity (from stage 2, Electricity and magnetism from stage 4)
- The Earth and beyond (from stage 2)
- Sound

Rygaards Primary Science Curriculum

Year 1 Our Body The 5 Senses Light and Dark Materials and their Properties Growing Plants Animals and their Babies Minibeasts Year 2 Materials Electricity Forces Plants and Animals Healthy Eating Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow Year 4 Habitats		
Light and Dark Materials and their Properties Growing Plants Animals and their Babies Minibeasts Year 2 Materials Electricity Forces Plants and Animals Healthy Eating Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow	Year 1	•
Materials and their Properties Growing Plants Animals and their Babies Minibeasts Year 2 Materials Electricity Forces Plants and Animals Healthy Eating Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow		The 5 Senses
Growing Plants Animals and their Babies Minibeasts Year 2 Materials Electricity Forces Plants and Animals Healthy Eating Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow		Light and Dark
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Year 2 Materials Electricity Forces Plants and Animals Healthy Eating Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow		Growing Plants
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Electricity Forces Plants and Animals Healthy Eating Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow		Minibeasts
Forces Plants and Animals Healthy Eating Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow	Year 2	Materials
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Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow		Forces
Year 3 Teeth and Healthy Eating Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow		Plants and Animals
Materials and Their Uses Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow		Healthy Eating
Rocks and Soils Magnets and Springs Plants and How They Grow Sun and Shadow	Year 3	Teeth and Healthy Eating
Magnets and Springs Plants and How They Grow Sun and Shadow		Materials and Their Uses
Plants and How They Grow Sun and Shadow		Rocks and Soils
Sun and Shadow		Magnets and Springs
		Plants and How They Grow
Year 4 Habitats		Sun and Shadow
	Year 4	Habitats
Electricity		Electricity
Solids, Liquids and Gases		Solids, Liquids and Gases
Magnetism		Magnetism
Sound		Sound
Skeleton and Muscles		Skeleton and Muscles
Year 5 Earth and Beyond	Year 5	Earth and Beyond
Plants and Lifecycles		Plants and Lifecycles
Keeping Healthy		Keeping Healthy
Light		Light
Gases, changing states/evaporation		Gases, changing states/evaporation
Year 6 Circuits	Year 6	Circuits
Environment		Environment
Forces		Forces
Habitats		Habitats
Micro-organisms		Micro-organisms
Reversible, Irreversible Reactions		