



# Curriculum Information Year 6

## Our next Unit Of Inquiry: HOW THE WORLD WORKS

An inquiry into the natural world and it's laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principles; the impact of scientific and technological advances on society and on the environment.

### The Central Idea:

Energy may be converted from one form to another and stored in various ways.

### Unit Summary:

Through hands-on investigations, guided and shared reading sessions, children will explore energy and how it works. In focus groups they will consider the pros and cons of renewable and non-renewable energy sources. They will develop their questioning skills, scientific knowledge and begin to reflect on the possible implications of using renewable energy sources.

Lines of Inquiry	Attitudes and Learner Profile	Transdisciplinary Skills
Forms of energy Storage and transformation of energy Renewable and sustainable energy	Knowledgeable Inquirer Thinker Curiosity	<b>Thinking Skills</b> - acquisition of knowledge and comprehension (GGR, note-taking) <b>Research Skills</b> - collecting, recording and organizing data

As part of our curriculum, students will continue to learn develop, use and apply their subject area knowledge and skills. During this unit, children will also be taught to:

Language	Mathematics	Science/Social Studies
- note-taking - read and write non-chronological texts - use and evaluate various print and visual sources of information - use unit related vocabulary with confidence	- understand and use different types of graphs - collect, display different types of data in pie charts and line graphs - read and interpret scales - recognise unit conversions - use decimal and fractional notation in measurement - understand place value to millions and beyond, decimals, fractions and percentages - use and apply addition, subtraction, division and multiplication	- describe various ways in which energy may be transformed and transferred in our everyday world - understand that energy can be transformed and converted from one form to another - investigate and explain different forms of energy - identify and describe alternative sustainable resources

**Action is an important part of the curriculum where children can take the opportunity to extend their learning. This can take many forms, from a discussion initiated by your child, brining something to school from home or a request to go somewhere in the community to find out more. To support your child at home with this unit of inquiry, you may wish to:**

- Visit websites on class webpage
- Do an energy audit in your home – talk about what is using energy and what type of energy it is
- Collect and discuss articles from the newspaper that are related to energy issues around the world
- Visit Mong Kok's electronics market to purchase wires, bulbs, turbines, etc. for investigations at home
- Visit Wan Chai's Environmental Resource Center (221 Queen's Road East)
- Visit the Science Museum

If you want to take some action and offer your expertise in any area, we would love to hear from you!