

# PrimeSCI! GRADE 5 - GRADE 6

Primary School Science Incursions  
PrimeSCI! delivers exciting and powerful STEM programs to ignite curiosity and develop the next generation of scientists.

## CHEMICAL SCIENCES

### States of Matter

Materials around us can be grouped according to their properties. Students gain knowledge from explosions, modelling molecules, dancing colours, links to the water cycle and peculiar oobleck. It's solid, liquid and gas, plus so much more!

### Physical and Chemical Change

Explore the differences between physical and chemical change through a series of exciting investigations, and learn to explain how everyday phenomena occur at the particle level.

## PHYSICAL SCIENCES

### Light and Colour

Explore the magic of light as students catch, bounce, bend, split and focus light. Students will love using the assortment of torches, mirrors, and lenses.

### Electrical Circuits

This fun-filled session bridges simple circuits to the world of complex electronics and robotics. Students learn about electricity and electrical conductivity in the context of atomic structure, and assemble simple circuits with motors, LEDs and solar panels. At the end of the session, students apply newly acquired skills to construct machines that jiggle and dance!

### Renewable Energy

Understand the physics of electricity generation, with focus on how energy is transformed to meet our needs. Use hands-on activities to explore renewable energy technologies currently used in Australia.

## EARTH AND SPACE SCIENCES

### Our Place in Space

Learn the latest in space science as students travel into outer space to understand planetary rotations and orbits, model the gravitational effects of our Moon, and use the language of numbers to understand the wonders of the Universe.

### Natural Disasters

Explore layers within the Earth, tectonic plate movement, and the causes of natural disasters like earthquakes, volcanoes, and tsunamis. Take part in hands-on activities that teach about Earth's mantle layer and its movement.



## BIOLOGICAL SCIENCES

### Freshwater Habitats

Investigate different wetland water samples to identify freshwater invertebrates. Discuss the needs of animals that live in these habitats as you learn about living and non-living factors that influence life in our local waterways. Best taught in Term 1 and 4 for greatest waterbug diversity

### Our Circulatory System

Learn about how the heart works non-stop, study dissected lamb hearts, and listen to your own heart with a stethoscope. Find out about heart diseases and the medical procedures involved. (Real animal organs used).

### Our Breathing System

Travel through our respiratory system, exploring inhalation, exhalation and investigating your own lung capacity. Understand the breathing process and how it is affected by asthma. Get close to real animal lungs as you feel this unique organ and watch it inflate! (Real animal organs used)

### Our Brains

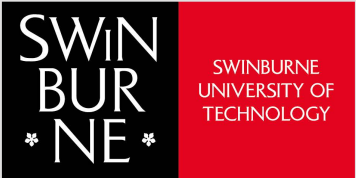
Dissect this delicate organ and be amazed at how this jelly-like structure is responsible for the way we work, think and behave. (Real animal organs used)

### Our Digestive System

Follow food along the digestive tract, and learn about how we taste, digest, and move food along our gut. Make poo to understand why it is important to eat enough vegetables. Touch animal tongues and stomachs! (Real animal organs used)

### Adapt and Survive

Discover more about the biodiversity of plants and animals using our special collection of artefacts. Use dichotomous keys to identify living things with adaptations that help them to survive in their environments. Explore genetic diversity and survival of species using a tassie devil mock-DNA case study.



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## Incursion Cost and Details

PrimeSCI! interactive classroom lessons are designed for maximum hands-on participation. Sessions are held at your school or online.

## Fees for PrimeSCI! Incursions

### Hands-On Incursion (1hr)

\$510 + GST for 2 sessions of the same topic (minimum)  
\$255 + GST for each additional session (up to 5 per day)

## Teacher Professional Learning

PrimeSCI! offers professional learning workshops for primary school teachers to help you in the delivery of science, technology, engineering and technologies subjects in the classroom. Join our professional learning sessions or book a science workshop for the teachers at your school. Contact us to find out more.

Science				Digital Technologies
Chemical Sciences	Physical Sciences	Earth & Space Sciences	Biological Sciences	
Solids, liquids and gases behave in different ways and have observable properties that help to classify them.  States of Matter	Light from a source forms shadows and can be absorbed, reflected and refracted.  Light and Colour	Earth is part of a system of planets orbiting around a star (the Sun).  Our Place in Space	Living things have structural features and adaptations that help them to survive in their environment.  Digestive System Circulatory System Breathing System Our Brains	Investigate how forces or electrical energy can control movement, sound or light in a designed product or system  Electrical Circuits
Changes to materials can be reversible, including melting, freezing, evaporating, or irreversible, including burning and rusting.  States of Matter Physical & Chemical Change	Energy from a variety of sources can be used to generate electricity; electric circuits enable this energy to be transferred to another place and then to be transformed into another form of energy.  Electrical Circuits Renewable Energy	Sudden geological changes or extreme weather conditions can affect Earth's surface.  Natural Disasters	Different living things have different life cycles and depend on each other and the environment to survive.  Freshwater Habitats Secret Life of Plants Adapt & Survive	Investigate how people in design and technologies occupations address competing considerations, including sustainability, in the design of solutions for current and future use.  Renewable Energy



## Book your school incursion now!

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All lessons support Victorian Curriculum.



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