

DIY Science

The DIY Science program aims to support educators throughout Western Australia by making resources available for hire that bring science straight into the classroom.

DIY kits are available for hire by registered Western Australian schools for use solely within and by the staff at the hiring school.

DIY Science Kits

DIY Science kits enable all educators, of any science ability, to conduct a whole term of themed lessons, experiments and investigations around a particular topic.

Each kit contains the required materials, complete experimental instructions, reproducible resources that are yours to keep, background theory summaries and more!

All the DIY Science kits are fully linked to the Australian Curriculum for the age ranges specific to the kit. Students also have opportunities to design and run their own open-ended experiments to improve their Science Inquiry Skills.

Biological Science

Foundation - Year 6

- Investigate what defines a living thing and classify animals according to their features.
- Explore the needs of living things and what happens when environments change.
- Observe important features of plants and animals.
- Explore human life stages through role play.
- Go on a 'School Safari' and explore environments and habitats by collecting and examining insects and other living and once living things.
- Examine plants as they develop from seeds and follow their life cycle all the way back to seeds.
- Design 'new' plants and animals suited to their environment.

Chemical Science

Foundation – Year 6

- Use your senses to explore the physical properties of materials and create different ways of grouping them.
- Take rubbings of a variety of materials.
- Examine them with a digital microscope to investigate their differences and how humans use these variances to achieve diverse roles in our lives.
- Manipulate materials to discover if they stretch, squish or twist.
- Make popcorn and damper to investigate changes caused by heat.
- Make a fly trap from recycled materials.
- Discover what makes different materials manmade, natural or magnetic.
- Investigate changing states using different substances.
- Use your imagination to 'become' solids, liquids and gases to help you understand their properties.
- Explore mixtures and solutions and find out whether combustion is a chemical reaction.

Earth and Space Sciences

Foundation - 6

- Conduct hands-on investigations to explore the movement of the Earth around the Sun, and the relative sizes of these celestial bodies.
- Create scale models of planets and their orbits, and develop research skills to identify the planets by their characteristics.
- Investigate your local environment to find evidence of erosion and analyse the dirt around your school.
- Learn about extreme weather and how science measures these events to help humanity in the future.

Primary Maths

Years 4-6

- Develop your logical thinking and problem solving skills with this set of fun and interactive maths puzzles.

Physical Sciences

Foundation - 6

- Use thermometers to test sources of heat such as friction and chemical reactions.
- Explore the forces all around us through water-powered rockets and magnets.
- Examine mirrors, kaleidoscopes and rainbows to explore the wonders of light.
- Investigate the power of electricity by building your very own circuits and learning about the sources of electrical power used around the world.

DIY Telescope

The Celestron CPC telescopes are very easy to use, even for the complete beginner. The built-in computer will automatically find the most interesting objects in the night sky for you. View the moon, planets, distant star clusters and even other galaxies - all from the comfort of your school oval or community open space. Each telescope comes with full set-up instructions, tripod, accessories, an astronomy almanac and a star chart.

KIT Cost and Duration

Hire: \$175 for 8 weeks of term

Free transport to and from regional schools; metro schools collect from Scitech at the start of term.

Telescope Cost and Duration

Hired as a set of two telescopes \$300 for up to three weeks.

Freight costs to regional areas are covered by Scitech.



Enquiries and bookings

bookings@scitech.org.au
Or call 9215 0740