



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, and exclusive access to downloadable digital resources.

All the DIY Science kits are fully linked to the Western 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.
- Investigate the different properties of materials and determine the best method for making a brick.
- Manipulate materials to discover if they stretch, squish or twist.
- Make popcorn to investigate changes caused by heat.
- Discover what makes different materials human-made or natural.
- Investigate changing states using different substances.
- 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.

Robotics and Coding

Years 7-8

- Tinker with mBots and learn about coding in this kit designed for complete beginners.
- Learn how to program computer-based instructions and apply creative thinking to solve real-world problems.

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: *\$250 for 8 weeks of term

**includes non-refundable \$100 deposit*

Free transport to and from all regional, remote and metro schools.

Telescope Cost and Duration

Hired as a set of two telescopes \$300 for up to 3 weeks.

Free transport to and from all regional, remote and metro schools.



Enquiries and bookings

bookings@scitech.org.au

Or call 9215 0740