



INFORMATION SHEET

## In Your Community

# Libraries

From coding to chemistry, there's a wide range of scientific wonders we can bring to your local library.

Our shows and workshops bring science to life with all the “whys, whats and hows”. It's high energy, with higher learning.

### Early childhood

#### Early Childhood Workshop (Ages: 0-5)

This unique travelling program encourages adults and young children to play, explore and discover together. The program fosters young children's natural curiosity and encourages them to ask why, how and what if?

The 60 minute workshop is divided into the four different learning areas of light, push and pull, living things, and sound. And children can explore them at their own pace.

Activities include playing with shadows and light, creating sounds, identifying smells, investigating invertebrates and more.

### Robotics and Coding

#### Junior Robotics (Ages: 5-8)

This engaging workshop inspires children's interest in robotics by building foundation skills in coding like creating basic algorithms and debugging. skills in coding such as creating basic algorithms and debugging. Children will work together to complete a set of challenges such as unplugged coding activities and manipulating Blue-Bot robots through a maze.

#### Rookie Robotics (ages 9-12)

Explore the fascinating world of robotics and computer programming using Edison™ robots. Students will learn how sensors work and how to program a robot.

## Science shows and workshops

### Mix & Make (Ages: 5-8)

#### Show

Chemistry happens in many different places – let’s journey together and have a go at mixing things to make something new! From the kitchen to the bathroom, children explore what happens when we combine different things by following a recipe and then making it up on the go.

#### Workshop

Children continue to mix and make back in the kitchen. Ingredients are provided but there is a catch, we will change the amount of one ingredient and observe how it affects our mixture. Young scientists will watch their experiment change at each step using their eyes, hands, ears and nose.

### Element of Surprise (Ages: 9-12)

#### Show

We love learning so much that we have built tools that allow us to extend our senses and discover even more. See the world around you in a whole new light! Together, we’ll use some of the different tools to explore chemistry and reveal unseen properties.

#### Workshop

Children complete a hands-on medical challenge using common household ingredients to see if we can protect a tablet from being absorbed in our simulated stomach (vinegar). Along the way, students will learn about the properties of each ingredient.

## Spacedome shows and workshops

### Day and Night (Ages: 4-8)

#### Show

Journey through the sky as day-time changes into night-time. What is different? Why do we have day and night? What features can we observe and learn about together?

#### Workshop

Build a shelter for different weather scenarios through tinkering and experimenting! And then put it to the test by making your own wild and windy day!

### Our Solar System (ages 9-12)

#### Show

Explore the Universe as astronomers have throughout history and discover the specialties of our Solar System and its nearest neighbours.

#### Workshop

Put your engineering skills to the test as you design, build and test a way to land a fragile robot rover on the surface of another planet!

Program	Participant	Cost	Plus hands-on workshop
Early Childhood workshops	60+ children	\$6.00 per child	
	Less than 60 children	\$360.00 flat rate	
Junior/Rookie Robotics	60+ children	\$9.50 per child	
	Less than 60 children	\$570.00 flat rate	
Science/Spacedome shows	60+ children	\$6.00 per child	\$9.00 per child
	Less than 60 children	\$360.00 flat rate	\$90.00 for each workshop

### Booking Requirements

It is essential for a member of your organisation to meet our staff on arrival to ensure Occupational Safety and Health requirements are met.

**All Scitech programs require an indoor, ground-floor area.** Please ensure that your venue(s) are not booked 1 hour before and after the program to allow for set up and pack down. Location requirements vary according to each program.

## Enquiries and bookings

E: [bookings@scitech.org.au](mailto:bookings@scitech.org.au)  
P: 9215 0740

