



## Children's Science Workshops

22 – 25 January 2018

Attention young scientists! Get ready for four learning-filled days of hands-on holiday science for curious kids from Kindergarten to Year 8.



The PrimeSCI! January Science Workshops will be held at:

KIOSC Discovery Centre (Building WK)  
Swinburne University of Technology  
Wantirna Campus  
369 Stud Road, Wantirna 3152  
Free parking available on site



### Sounds Like Science (Chris)

How is sound produced? How does it travel? Screech, shake and rumble your way through this introduction to the physics of sound for our littlest scientists.

**4YO Kinder – Grade 2**

\$20 for 1 hour

### Plastic Fantastic (Sally C)

Enter the world of plastics – make your own, sort out different types for uses, investigate properties and take home your own fun shrunken plastic and a slime ball.

**Grade 1 – Grade 4**

\$20 for 1 hour

### Mentos Madness (Sandy)

The experiments that you're not allowed to do in your own home! Fizzy drink + mentos = science experiment fun. **Please wear a hat and sunscreen.**

**Grade 1 – Grade 4**

\$20 for 1 hour

### Waterbug Discovery (Sally H)

Identify different life stages of animals that live in nearby freshwater habitats, using water samples collected by Sally. It's more than just ducks living in our local ponds!

**4YO Kinder – Grade 2**

\$20 for 1 hour

### Barbie Bungee (Sally C)

Help Barbie to get the length of her bungee cord just right before her big jump! A memorable lesson in forces, maths and experimental design. **Please bring a hat.**

**Grade 4 – Year 8**

\$20 for 1 hour

### Up Lifting (Zara)

Explore the physics of flight, learning from great scientists of the past - Newton, Coanda and Bernoulli. Hold on tight for some air-blowing experiments!

**Grade 4 – Year 8**

\$20 for 1 hour

### Our Energy Future (Sally H)

Look at the science behind renewable energy and take part in activities to learn more about our energy production and use. **Please bring a hat.**

**Grade 3 – Grade 6**

\$20 for 1 hour

### Wriggly Worms (Environmental Education for Kids)

Ever wondered what worms and their friends do underground? Do you know why they are important? Come along and learn all about their composting magic.

**4YO Kinder – Grade 2**

\$20 for 1 hour

### Scribble Bots (Zara)

Begin with learning about basic circuits and progress to a simple robot that you design, construct and take home.

**Grade 4 – Year 8**

\$30 for 1.5 hours

### Sphero Robotics (Suzie)

Drive, draw and code with the Sphero robots in this action-packed hour of robotics.

**Grade 2 – Grade 4**

\$20 for 1 hour

### Rain, Drains and Ocean (Env. Education for Kids)

Where does our rain go? What does it take with it? Where does it end up? Find out with our interactive stormwater model. Come along and discover your local catchment and creek.

**Grade 2 – Grade 6**

\$20 for 1 hour

### Introduction to Robotics (Heather)

Program the Bee Bots and Edisons as you learn how to communicate with robots. Complete a series of fun tasks and start your robotics career!

**4YO Kinder – Grade 1**

\$20 for 1 hour

**PLEASE NOTE – workshops are suited to specific school year levels, please be considerate of others and comply with the minimum school year when registering.**

**Book online at:**

[www.trybooking.com/TJUS](http://www.trybooking.com/TJUS)

Ph. 9210 1969

Mob. 0455 290 262 (22<sup>nd</sup> – 25<sup>th</sup> January)

[primesci@swin.edu.au](mailto:primesci@swin.edu.au)

[www.swinburne.edu.au/primesci](http://www.swinburne.edu.au/primesci)

MONDAY 22 JAN			TUESDAY 23 JAN			WEDNESDAY 24 JAN			THURSDAY 25 JAN		
<b>SS1</b> Sounds Like Science  <i>K – Prep</i>  9:30 – 10:30am	<b>PF1</b> Plastic Fantastic  <i>Gr 2 – 4</i>  9:30 – 10:30am	<b>MM1</b> Mentos Madness  <i>Gr 1 – 2</i>  9:30 – 10:30am	<b>WD1</b> Waterbug Discovery  <i>K – Prep</i>  9:30 – 10:30am	<b>BB1</b> Barbie Bungee  <i>Gr 3 – 4</i>  9:30 – 10:30am	<b>UL1</b> Up Lifting  <i>Gr 6 – Yr 8</i>  9:30 – 10:30am	<b>OEF1</b> Our Energy Future  <i>Gr 5 – 6</i>  9:30 – 10:30am	<b>WW1</b> Wriggly Worms  <i>K – Prep</i>  9:30 – 10:30am	<b>SB1</b> Scribble Bots  <i>Gr 6 – Yr 8</i>  <b>9 – 10:30am</b>	<b>SR1</b> Sphero Robotics  <i>Gr 2 – 4</i>  9:30 – 10:30am	<b>RDO1</b> Rain, Drains & Ocean  <i>Gr 2 – 4</i>  9:30 – 10:30am	<b>IR1</b> Intro to Robotics  <i>Kindergarten</i>  9:30 – 10:30am
<b>SS2</b> Sounds Like Science  <i>Gr 1 – 2</i>  11am – 12pm	<b>PF2</b> Plastic Fantastic  <i>Gr 1 – 2</i>  11am – 12pm	<b>MM2</b> Mentos Madness  <i>Gr 3 – 4</i>  11am – 12pm	<b>WD2</b> Waterbug Discovery  <i>Gr 1 – 2</i>  11am – 12pm	<b>BB2</b> Barbie Bungee  <i>Gr 5 – 6</i>  11am – 12pm	<b>UL2</b> Up Lifting  <i>Gr 4 – 6</i>  11am – 12pm	<b>OEF2</b> Our Energy Future  <i>Gr 3 – 4</i>  11am – 12pm	<b>WW2</b> Wriggly Worms  <i>Gr 1 – 2</i>  11am – 12pm	<b>SB2</b> Scribble Bots  <i>Gr 4 – 6</i>  <b>11am – 12:30pm</b>	<b>SR2</b> Sphero Robotics  <i>Gr 2 – 4</i>  11am – 12pm	<b>RDO2</b> Rain, Drains & Ocean  <i>Gr 4 – 6</i>  11am – 12pm	<b>IR2</b> Intro to Robotics  <i>Gr 1</i>  11am – 12pm
<b>SS3</b> Sounds Like Science  <i>Gr 1 – 2</i>  1 – 2pm	<b>PF3</b> Plastic Fantastic  <i>Gr 2 – 4</i>  1 – 2pm	<b>MM3</b> Mentos Madness  <i>Gr 2 – 4</i>  1 – 2pm	<b>WD3</b> Waterbug Discovery  <i>Gr 1 – 2</i>  1 – 2pm	<b>BB3</b> Barbie Bungee  <i>Gr 4 – 6</i>  1 – 2pm	<b>UL3</b> Up Lifting  <i>Gr 4 – 6</i>  1 – 2pm	<b>OEF3</b> Our Energy Future  <i>Gr 3 – 6</i>  1 – 2pm	<b>WW3</b> Wriggly Worms  <i>Gr 1 – 2</i>  1 – 2pm	<b>SB3</b> Scribble Bots  <i>Gr 4 – 6</i>  <b>1 – 2:30pm</b>	<b>SR3</b> Sphero Robotics  <i>Gr 2 – 4</i>  1 – 2pm	<b>RDO3</b> Rain, Drains & Ocean  <i>Gr 2 – 4</i>  1 – 2pm	<b>IR3</b> Intro to Robotics  <i>Gr 1</i>  1 – 2pm