

## DURATION AND COST

Our memorable science sessions come to you. No bus hire, and other costs associated with excursions! All our session topics are available in either a 60 or 90 minute format to easily fit around your school timetable.

Costs are calculated per session for a class of up to 30 students.

**\$220 for a 60 minute workshop plus GST**

**\$280 for a 90 minute workshop plus GST**

The minimum booking is the cost equivalent of two 90 minute sessions. There are cost-saving options available, like splitting 4 classes between 3 sessions. Contact our office for further information on costs, availability and session topics.

Some workshops may incur travel costs or surcharges. We ask that teachers help with the supervision of sessions: you might be surprised with what you learn too. A perfect professional development opportunity!

## Kindergarten Sessions

Based on a developmental approach suited to pre-school children, six workstations are set-up to engage children in a variety of open-ended science activities. Science themes such as magnetism, electricity, chemistry, forces, light & colour, and mini beasts are incorporated. Children use the materials and activities at their own pace, supported by the presenter and kindergarten staff.

Parent helpers are encouraged, ideally one adult per workstation during a session. The cost is:

**\$350 for a single 60 minute kindergarten workshop plus GST**

**\$280 for two or more consecutive 60 minute kindergarten workshops plus GST**

## WHY CHOOSE US?

- Seriously fun, and engaging
- Lead by science teaching specialists
- Packed full of hands-on experimenting
- Aligned with curriculum outcomes

## BOOK A WORKSHOP & MORE INFO

Call Us  1300 302 441  
Mon to Fri 9:30 till 3pm

Or email:  
[info@madaboutscience.com.au](mailto:info@madaboutscience.com.au)

Or checkout:  
[www.madaboutscience.com.au/incursions](http://www.madaboutscience.com.au/incursions)



IN SCHOOLS  
*Seriously Fun!*



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### Postal Address:

PO Box 247, Vermont, VIC, 3133

### Physical Address:

Unit 29, 87-91 Heatherdale Road, Ringwood, VIC, 3134

2016 Primary School  
Science Workshops & Incursions

[www.madaboutscience.com.au/incursions](http://www.madaboutscience.com.au/incursions)

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Inquire by Email [info@madaboutscience.com.au](mailto:info@madaboutscience.com.au)





IN SCHOOLS

*Seriously Fun!*

### Immerse your class in the fascinating world of science, and have some serious FUN!

Our experienced science teaching specialists lead stimulating classroom workshops that align with current AusVELS curriculum; many include cross-curriculum priorities such as sustainability, aboriginal culture and Asian studies. We offer a range of incursion topics encompassing biological sciences, chemical sciences, earth and space sciences, and physical sciences for Victorian Primary Schools, from foundation to level 6. Our engaging sessions blend enticing class demonstrations and small-group experiments to facilitate genuine science experiences and learning. We stretch imaginations, leaving students and teachers inspired and excited by science! You'll be amazed at what you discover!

## 2016 WORKSHOP TOPICS

We offer individual class workshops allowing children to really get involved with science and experiments. The sessions are specifically designed to align with the current AusVELS curriculum, and where practical incorporate real laboratory equipment to bring authenticity to the session.

### CHEMICAL SCIENCES

#### Chemistry Chaos Foundation to Level 6

Colour changes, smoke, fizz and foam! Everything in our world is made-up of chemicals: explore interesting polymer chemicals, chemical reactions, reversible physical changes and more.

#### The Matter Of Matter Level 3 to 6

Use the magic of dry ice to explore the three common states of matter - solids, liquids and gasses. From everlasting bubbling fountains to cool chemical fire extinguishers. This session matters! (90 minute format only) Incurs a \$13 per session dry ice surcharge.

#### Forensic Science Level 3 to 6

Can you crack the case and catch the thief!? Use real forensic science techniques, like PH tests, ink chromatography, glow chemicals, and fingerprint dusting to pin point the culprit.

#### Super Bubble Science Foundation to Level 2

Bubbles are more than trapped air in a film of soapy water. Their exact spherical shape and swirling rainbow colours make them a wonder of science. By this session's end, you'll be a true bubbliologist.

#### Kitchen Chemistry Foundation to Level 2

A fun food workshop challenging you to think about everyday food in a whole new way. Experiment with a variety of food-related chemicals, and you even get to take home a bag of sweet, tongue tingling sherbet!

### PHYSICAL SCIENCES

#### Material Science Foundation to Level 2

Explore the world around you - sort, classify and test the physical properties of natural and processed materials. Discover how materials can change physically as well as chemically. Mix a material concoction for a purpose, explore the effect of heat on materials, material waste and remake a material into a new product.

#### Forces In Action Foundation to Level 2

From an apple falling to the ground to a car rolling to a halt, forces are constantly at work. Explore gyroscopes, flying tops, friction and inertia during this stimulating, hands-on look at how things move, and why!

#### Light and Sound Foundation to Level 2

Make some waves, and colour your classroom with rainbows. Using a sensory approach learn all about the properties and transmission of light and sound energy.

#### Electrical Buzz Foundation to Level 2

Lights, noise and airborne propellers. Use snap circuit kits to build exciting circuits using a variety of electrical components including switches, LEDs, resistors and integrated sound circuits. Explore electric motors, electromagnets, dynamos, and energy transformations. Includes a demonstration of how electricity is produced from sun light.

#### Simple Machines Level 3 to 6

Launch projectiles with D.I.Y catapults, watch motorized gears turn to speed things up, and lift friends off the ground with a super-sized lever. An engaging look at how simple machines make our life easier, now, and in the past. (90 minute format only).

#### Magnetic Marvels Foundation to Level 2

Discover the fun, magic and science of magnets. Make your own magnets, explore magnetic energy and what it can travel through, use magnets for levitation, be surprised by the strength of teeny tiny magnets, and more. Always a winner!

#### Light & Colour Foundation to Level 2

An engaging investigation into the colourful properties of light. Create rainbows, use chromatography to separate colour in ink, mix colour with light filters and test a whole host of optical instruments.

#### Toy Technology Foundation to Level 2

Be immersed in the wonderful science of toys. Explore energies, materials, movement and sound. Spin some colour, use magnets to draw, and even make your very own balancing toy to take home. Play has never been so educational!

#### Light Level 3 to 6

This senior primary workshop takes an in-depth look at the properties of light - within and outside the visible spectrum. Get hands-on with a variety of interesting optical instruments, explore UV light and make a UV detection key chain to keep, watch light energy transform, discover different ways to produce light, including chemiluminescence, and more!

#### Heat & Energy Level 3 to 6

Explore the properties of heat and other energies in a fun way. Produce useful heat energy in a multitude of ways, including through friction, motion, electrically and chemically. Transfer heat through conduction, measure it and explore the amazing ways in which heat can generate change.

### BIOLOGICAL SCIENCES

#### Living Things Foundation to Level 4

This workshop is full of life. Explore objects that have self-sustaining processes like plants, animals and micro-organisms. Through engaging hands-on activities learn about the difference between living and non-living things, simple life cycles and the bigger picture.

#### Senses Foundation to Level 2

The five senses are given a workout in this engaging session. They are tested, tricked and more.

#### The Human Body Level 3 to 6

Take a journey through the human body, and explore its parts and systems. Perform chemical experiments to understand digestion, think quick and test reaction speeds, use stethoscopes to listen to the rhythmic beat of your heart. Learn how we are all connected, and made of the stuff of stars!

### EARTH AND SPACE SCIENCES

#### Wicked Weather Foundation to Level 4

Air in the atmosphere is always on the move, carrying clouds, rain, and snow around the globe. Model and experiment with these air and water movements; and even erupt your own flurry of snow.

#### Natural Disasters Level 3 to 6

Explore the scientific processes behind the explosive energy of nature's fury.

#### Sustainability & Materials Level 1 to 6

The phenomenal population boom in recent times has put the earth's resources under considerable strain. Learn how we can better manage waste and the earth's life sustaining resources with a focus on materials.

#### Earth & The Milky Way Level 3 to 6

Space is a vacuum but it is far from empty. During this fascinating workshop you'll launch into space and explore planets, moons, stars and galaxies. Follow in the footsteps of the great astronomers as you probe the mystery, scale and earth's place in the universe.

#### Rocks & Geology Level 3 to 6

It is written in the rocks. Read the changing story of earth and the impact of humans through the pages of rocks. Cast your own fossil, explore and classify rocks and minerals, investigate the characteristics of soil, model the layers of earth, create some explosive lava flows. Everything to enthuse young geologists!

### PROBLEM SOLVING & BRAIN TRAINING

#### Learn to solve the Rubik's cube in 90 minutes Level 4 to 8

Introducing the most perfect - and addictive - puzzle to a new generation. With over 43 quintillion possible pattern combinations (that's 43 million millions), but just one right one, it is sure to keep you and your friends busy! Hosted by experienced speed cubers, this is the first workshop of its kind in Australia, and brings with it a host of benefits: mathematical, confidence, problem solving - it is a pure example of true learning. Plus you get to keep 3 speed cubes for the class! (90 minute format only).

**"If a child can't learn the way we teach, maybe we should teach the way they learn." ~ Ignacio Estrada**