



**Mad About
SCIENCE**

IN SCHOOLS

Seriously Fun!

**2023
PRIMARY SCHOOL
SCIENCE
WORKSHOPS
AND
INCURSIONS**

**BOOK
NOW!**
**VIC, NSW,
& QLD**

Professional development opportunity

Seriously fun, hands-on & engaging

Led by science teaching specialists

Aligned with curriculum outcomes

Various themes & topics

Programs can be tailored

**TAKE A LOOK AT OUR
NEW WORKSHOPS!**

**BOOK OUR
BIG SCIENCE SHOWS!**



BIOLOGICAL SCIENCES

LIVING THINGS

FOUNDATION TO LEVEL 6
KINDER TO STAGE 3

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 & KINDER | 60 mins only

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

THE HUMAN BODY LEVEL 3 TO 6 | STAGE 2 & 3 VIC & NSW ONLY

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're all connected and how we're made of stars!

PLANT POWER FOUNDATION TO LEVEL 6 KINDER TO STAGE 3

Follow the life cycle of plants and explore the crucial role they play in the ecosystem of living things here on Earth. Learn how plants get energy and resources from their surroundings, grow from seeds, how they reproduce and survive in all kinds of environments!



**'SERIOUSLY FUN,
HANDS-ON
AND ENGAGING'**

Sir Isaac Newton

CHEMICAL SCIENCES

CHEMISTRY CHAOS FOUNDATION TO LEVEL 6 KINDER TO STAGE 3

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 | STAGE 2 & 3 90 mins only

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. Incurs a \$60 per day dry ice surcharge.

FORENSIC DETECTIVE LEVEL 3 TO 6 | STAGE 2 & 3 | 90 mins only

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 pinpoint the culprit.

KITCHEN CHEMISTRY FOUNDATION TO LEVEL 2 KINDER & STAGE 1

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

MATERIAL SCIENCE FOUNDATION TO LEVEL 3 | KINDER TO STAGE 2

Sort, classify and test the physical properties of natural and processed materials, and how they can change physically as well as chemically. Explore the effect of heat on materials, material waste and remake a material into a new product.

HEAT & ENERGY LEVEL 3 TO 6 | STAGE 2 & 3

Produce useful heat energy in a multitude of ways, including through friction, motion, electrically and chemically. Transfer heat through conduction – measure it and explore amazing ways in which heat can generate change.

STEM SCIENCE, TECHNOLOGY ENGINEERING, MATHS

PROGRAM-A-BOTS FOUNDATION TO LEVEL 2

An introduction to robots and programming for younger students. With an intuitive interface, colourful robots will have learners excited about simple sequencing and directional language.

THEMED FOR NATIONAL SCIENCE WEEK 2023

INVENTING THE FUTURE- TECHNOLOGY & ARTIFICIAL INTELLIGENCE LEVEL 3 TO 6 | STAGE 2 & 3 | VIC ONLY

NEW!

Technology ignites innovation and advancements in industry. Students explore innovation over time, and engage in activities to understand how technology including Artificial Intelligence (AI) works.



EARTH + SPACE SCIENCES

WICKED WEATHER FOUNDATION TO LEVEL 2 KINDER & STAGE 1

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 | STAGE 2 & 3

Explore the scientific processes behind what whips up wild winds, elicits explosive eruptions and triggers titanic tidal waves in this exploration of nature's fury.

EARTH & THE MILKY WAY LEVEL 3 TO 6 | STAGE 2 & 3

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

WATER & THE ENVIRONMENT FOUNDATION TO LEVEL 4 | KINDER TO STAGE 2

Water is essential to life, and is our most precious resource. We use it to drink, for cooking, washing and hygiene, recreation, industry and agriculture. During this workshop, students develop an understanding and appreciation of the importance and special properties of water.

A SUSTAINABLE WORLD LEVEL 3 TO 6 | STAGE 2 & 3 **NEW!**

Explore how human actions have placed Earth's resources under immense strain. Learn how we can manage waste and Earth's life sustaining resources to build a better future for all. In groups, students will use up-cycled items to build a working prototype that produces real energy. Let's work together to make a positive impact in the world.

**TRY OUR HUGE
POPULAR
BIG SCIENCE SHOWS**

BIG SCIENCE SHOWS

MAD SCIENCE SHOW

FOUNDATION TO LEVEL 6 | KINDER TO STAGE 3 | UP TO 220 STUDENTS
VIC, NSW, QLD

A jam-packed 60 min show of BIG WOW! Science madness! There's giant smoke vortices, levitating beach balls, flying toilet paper, flour fire-balls, hair-raising electricity, and lots of learning! Price \$750 plus GST.

LIQUID NITROGEN SHOW

60 MINUTES | LEVEL 3 TO LEVEL 6 | UP TO 220 STUDENTS | VIC ONLY

Learn all about the states of matter and what happens when we heat things up and cool things down with super cool liquid nitrogen. Lots of ice breaking volunteer moments, chilling demonstrations and even a frosty explosion - learn about reversible and irreversible reactions with us! Price \$895 plus GST.

PHYSICAL SCIENCES

FORCES IN ACTION FOUNDATION TO 6 | KINDER TO STAGE 3

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 hands-on look at how things move and why!

ELECTRICAL BUZZ FOUNDATION TO LEVEL 6 | KINDER TO STAGE 3

Use snap circuit kits to build exciting circuits using electrical components such as 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 | STAGE 2 & 3 | 90 MINUTES | VIC ONLY

Launch projectiles with D.I.Y catapults, watch motorised 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.

TOY TECHNOLOGY

FOUNDATION TO LEVEL 2 | KINDER & STAGE 1

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.

LIGHT & SOUND FOUNDATION TO LEVEL 2 | KINDER & STAGE 1

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.

LIGHT REFLECTIONS LEVEL 3 TO 6 | STAGE 2 & 3 VIC & QLD ONLY

This workshop takes an in-depth look at the properties of light within and outside the visible spectrum. Get hands-on with 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!

BRIDGES AND BUILDINGS LEVEL 3 TO 6 | STAGE 2 & 3 | VIC ONLY

Brace yourself – as your students work in teams to build the tallest and sturdiest structures known to man! Students will learn about forces while practicing the quintessential 21st century skills paramount to excelling in STEM.



WHY CHOOSE MAD ABOUT SCIENCE? >>>

ABOUT US We offer a range of in-class science workshops and incursions which are delivered directly to you. We have teams of qualified science teaching professionals in Sydney, Melbourne and Brisbane available right now! Our quality science incursions are aligned with the Curriculum, and blend enticing class demonstrations with hands-on experiments to facilitate genuine learning.

Our expert workshop facilitators present a range of incursion topics encompassing biological, chemical, Earth & space, and physical sciences as well as STEM workshops, from foundation to level 6. During our sessions students develop critical and creative thinking skills, they will ask questions, make predictions and draw conclusions using scientific methods.

DURATION AND COST Our memorable science sessions come to you. No bus hire, and other costs associated with excursions! Most of 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. Unless otherwise stated, the workshop prices are as follows:

\$380 for a 60 minute workshop plus GST
\$480 for a 90 minute workshop plus GST
 *excludes holiday workshops, early learning workshops, and shows.

We ask that teachers help with the supervision of sessions: you might be surprised with what you learn too. A perfect professional development opportunity!

Bookings also incur travel surcharges. Multiple topics in one day incur a surcharge. There is a minimum booking of 3 x 60 minute workshops or 2 x 90 minute workshops – or their cost equivalent. 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.

EXPERT FACILITATORS

CURRICULUM ALIGNED

PROFESSIONAL DEVELOPMENT HOURS

CATEGORY	PROGRAM	Kindergarten (3-5yrs)	Prep/Foundation	Gr1+2/ Stage 1	Gr3+4/ Stage 2	Gr5+6/ Stage 3	STATE
Chemical Sciences	Chemistry Chaos		•	•	•	•	VIC, NSW, QLD
	The Matter of Matter <i>90 mins only</i>				•	•	VIC, NSW, QLD
	Forensic Detective <i>90 mins only</i>				•	•	VIC, NSW, QLD
	Kitchen Chemistry		•	•			VIC, NSW, QLD
	Material Science		•	•	• (Gr3)		VIC, NSW, QLD
	Heat & Energy				•	•	VIC, NSW, QLD
Physical Sciences	Forces in Action		•	•	•	•	VIC, NSW, QLD
	Electrical Buzz		•	•	•	•	VIC, NSW, QLD
	Simple Machines <i>90 mins only</i>				•	•	VIC
	Toy Technology		•	•			VIC, NSW, QLD
	Light & Sound		•	•	•		VIC, NSW, QLD
	Light Reflections				•	•	VIC, QLD
	Bridges & Buildings				•	•	VIC
Biological Sciences	Living Things		•	•	•	•	VIC, NSW, QLD
	Senses <i>60 mins only</i>		•				VIC, NSW, QLD
	The Human Body				•	•	VIC, NSW
	Plant Power		•	•	•	•	VIC, NSW, QLD
Earth & Space Sciences	A Sustainable World NEW!				•	•	VIC, NSW, QLD
	Wicked Weather		•	•			VIC, NSW, QLD
	Natural Disasters				•	•	VIC, NSW, QLD
	Earth & The Milky Way				•	•	VIC, NSW, QLD
	Water & the Environment		•	•	•		VIC, NSW, QLD
STEM: Science, Technology, Engineering & Mathematics	Inventing the future, technology & artificial intelligence NEW!				•	•	VIC
	Program-A-Bots		•	•			VIC, QLD
Big Science Shows	Mad Science Show		•	•	•	•	VIC, NSW, QLD
	Liquid Nitrogen Show				•	•	VIC
Holiday Programs	Mad Science		•	•	•	•	VIC, NSW, QLD
	Science Fun Lab		•	•	•	•	VIC
	Harry Potter Science		•	•	•	•	VIC, NSW, QLD
Early Learning (3-5 years)	Introductory Early Learning Science Workshop	•					VIC, NSW, QLD
	Program-A-Bots (BeeBots NSW)	•					VIC, NSW, QLD
	Living Things	•					VIC, NSW, QLD
	Kitchen Chemistry	•					VIC, NSW, QLD
Parties	Science party			•	•	•	VIC, NSW, QLD



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