



**A new school year is about to begin!**

Science Alive will once more be presenting unique and amazing science programs every Thursday and Friday of 2020. This year we have restructured and updated our incursions to more closely reflect and elaborate on the curriculum. We use a mix of comedy, interaction and fascinating experiments (based in everyday experience) to engage students and stimulate their natural curiosity. Our presenter, Mick has a wealth of experience and is able to pitch the programs to the ability level of the students. Whether you want to have a whole school incursion or just one class we have a program to suit.

**Why not give us a try and enjoy the fun of finding out!**

**Kindy to Year 2 Programs**

**Physical Sciences**  
 ENERGY & MOVEMENT – forces, energy & change  
 PUSH, PULL & MOVE – fun with forces  
 LIGHT & SOUND - energy in our life

**Earth And Space Sciences**  
 EARTH & WEATHER - environment and space  
 EARTH’S RESOURCES - water, air and earth

**Chemical Sciences**  
 MATERIAL MYSTERIES - objects and properties

**Biological Sciences**  
 LIFE & LIVING - animals, plants and change

**Year 3 to Year 6 Programs**

**Physical Sciences**  
 ENERGY & ELECTRICITY - heat, light, electricity & forces  
 FORCES & MOTION - let’s get going  
 LET THERE BE LIGHT - a mysterious energy

**Earth And Space Sciences**  
 EARTH & BEYOND - our blue planet

**Chemical Sciences**  
 MATERIALS & CHANGE - getting a reaction

**Biological Sciences**  
 LIVING THINGS - growth and survival

**PRIMARY SCIENCE INCURSIONS**

**Booking Details**

**COST per student -**

Metro (40km)	\$3.50
Outer Metro (40-100km)	\$4.00
Country (over 100km)	negotiable
Minimum charge is \$245 metro or \$280 outer metro	

**DURATION**

Kindy to Yr 3 - 40 minutes  
 Yr 4 to Yr 6 - 50 minutes

**AVAILABILITY**

Science Alive is available on every **Thursday** and **Friday** of the school year.

**FEBUARY DISCOUNT** - 50 c per student

**ENQUIRY/BOOKING**

Contact Linda:  
 ph: 08 62783838  
 email: scialive@bigpond.com  
 web: sciencealive.com.au

“This is my first time using Science Alive and it has been great, both organiser and presenter are BRILLIANT. Will definitely recommend to colleagues in other schools”.  
**Kinross PS August 2019**



“Perfect, it was spot on. The students were engaged – and continued to talk about what they had seen after the show. It was great how we could tailor it to what we had and were covering in science”.  
**St Matthew’s School August 2019**

**Physical Sciences****ENERGY & MOVEMENT - forces, energy & change****K-Yr 2 Overview****NEW SHOW**

Pushing and pulling forces or light and sound energy can change and move things. Why do some objects move so easily? Where do light and sound come from? Gravity, flying strong magnets, party poppers, springs and scrambled tennis balls.

**Primary Connections**

K/PP - On the Move, Yr 1 - Look! Listen!

Yr 2 - Push-pull

**PUSH, PULL & MOVE - fun with forces**

What makes things move and change? Does shape, weight or type of material affect movement? Explore the pushes and pulls in our lives including wind, air, gravity and toys. Discover that air can push and can be used to fly and power rockets.

**Primary Connections**

K/PP - On the Move, Yr 2 - Push-pull

**LIGHT & SOUND - energy in our life**

Light and sound bring us vital information about our world. We need light to see and sound to hear and communicate. Discover light's amazing energy, how it bounces and makes colour. Investigate the mysteries of sound, how does it travel? What is a vibration and where does it go? Have a go at making music and even be in a rock band.

**Primary Connections**

Yr 1 - Look! Listen!

**Biological Sciences****LIFE & LIVING - animals, plants & change****K-Yr 2 Overview**

We'll look at the amazing number of living things on earth..... their differing needs, features, adaptations and places they live.

Lets sort & classify some living things and have some fun.

**Primary Science Understandings**

K/PP - Staying alive, Yr 1 - Schoolyard safari,

Yr 2 - Watch it grow

**Earth and Space Sciences****EARTH & WEATHER - environment and space****K-Yr 2 Overview**

The weather has a huge impact on our daily lives. We investigate weather, seasons and change.... what to wear? Explore how earth's resources - water, sun and air combine to make our weather. We make a cloud in a jar. Explore the moon, stars and model our earth in space. Have fun with rockets

**Primary Connections**

K/PP - Weather in my world Yr 1 - Changes all around,

Yr 2 - Water works

**EARTH'S RESOURCES - air, water and earth**

Be amazed by the incredible nature of water. It can be used in so many ways and has lots of fun properties to discover....flowing, climbing, disappearing, clouds, and BIG bubbles. Water is a precious resource which must be collected, stored and transported for our use. Learn about water pollution and conservation with our interactive river game.

**Primary Connections**

Yr 2 - Water works

**Chemical Sciences****MATERIAL MYSTERIES - objects & properties****K-Yr2 Overview**

An excellent introduction to junior Chemical Sciences. All around us are different materials with different properties Come with us and find out about some of these properties, heating, cooling, bending. Unlock the power of mixing. Create some very strange stuff and finish off with a few big bubbles.

**Primary Science Understandings**

K/PP - What's it made of?, Yr 1 - Bend it! Stretch it!

Yr 2 - All mixed up,

*A fantastic educational and entertaining show which covered the curriculum and relevant to the students learning. We love Science Alive!*

**Langford Islamic College May 2019****Physical Sciences****ENERGY & ELECTRICITY - heat, light, electricity & forces****Yr 3-Yr 6 Overview****NEW SHOW**

An understanding of **energy and electricity is crucial for our future. Heat and light from the sun are transformed to power life on earth. See heat making sound, light getting confused and using powerful magnetic forces to make electricity. Electricity is moved and used with circuits, switches and devices. Lots of fun, interaction and surprises.**

**Primary Connections**

Yr 3 - Heating Up

Yr 4 - Magnetic moves Yr 5 - Light shows

Yr 6 - Essential energy &amp; Circuits and switches

**FORCES & MOTION - let's get going**

What are forces? Not only a push or pull but other fascinating non contact forces including gravity, friction, magnetism, electrostatics and air pressure and centripetal forces. Lots of fun experiments and interaction. Will we all get soaking wet?

**Primary Connections**

Yr 4 - Smooth moves

**LET THERE BE LIGHT - a mysterious energy**

Light is transferred and transformed to give us life. We'll have a close look at light's energy, laser light, how light bounces (reflects), mirrors, how it bends (refracts), how it makes colour (absorbs) and shadows. We look how humans have made light and some explosive alternatives.

**Primary Connections**

Yr 5 - Light shows

*100% relevant to Yr 3 Life & Living curriculum. We follow Primary Connections Investigations programs...so it's great to link to that...thank you Mick Newman College May 2019*

**Earth and Space Sciences****EARTH & BEYOND - our blue planet****Yr 3-Yr 6 Overview**

Our earth's landscape is ever changing. Shifting tectonic plates cause earthquakes and tsunamis. We examine our changing earth and its place in space, the sun, the moon and our solar system.

Examine the forces that drive the universe and the immense scale of space. We finish with the excitement of rockets.

**Primary Connections**

Yr 3 - Night &amp; day, Yr 4 - Beneath our feet,

Yr 5 - Earth's place in space,

Yr 6 - Earthquake explorers

**Chemical Sciences****MATERIALS & CHANGE - getting a reaction****Yr 3-Yr 6 Overview**

Explore a variety of materials, their properties (including strength, hardness, absorbency, weight, buoyancy) and their uses. Liquids, solids and gases and how they change with temperature. Observe change through melting, burning, mixing, heating and cooling and reactions. See some future materials and some very strange stuff.

**Primary Connections**

Yr 3 - Melting moments, Yr 4 - Material world,

Yr 5 - What's the matter, Yr 6 - Change detectives

**Biological Sciences****LIVING THINGS - growth and survival****Yr 3-Yr 6 Overview**

What are the necessities for life? Living vs non-living. Life cycles. Plants and animals and the differences between types of life forms. Environment and its impact on species and their adaptations. Plants and their reliance on soil and environment for growth and survival. Classification of plants and animals.

**Primary Connections**

Yr 3 - Feathers fur &amp; leaves, Yr 4 - Friends or foes

Yr 5 - Desert survivors, Yr 6 - Rising salt

**Physical Sciences**

**ENERGY & MOVEMENT – forces, energy & change**

PP - The way objects move depends on a variety of factors, including their size and shape.

**Year 1** - Light and sound are produced by a range of sources and can be sensed.

**Year 2** - A push or a pull affects how an object moves or changes shape.

**PUSH, PULL & MOVE - fun with forces**

PP - The way objects move depends on a variety of factors, including their size and shape.

**Year 2** - A push or a pull affects how an object moves or changes shape.

**LIGHT & SOUND - energy in our life**

**Year 1** - Light and sound are produced by a range of sources and can be sensed.

**ELECTRICITY & ENERGY**

**- heat, light, electricity & forces electricity**

**Year 3** - Heat can be produced in many ways and can move from one object to another.

**Year 4** - Forces can be exerted by one object on another through direct contact or from a distance.

**Year 5** - Light from a source forms shadows and can be absorbed, reflected and refracted.

**Year 6** - Electrical energy can be transferred and transformed in electrical circuits and can be generated from a range of sources

**FORCES & MOTION - let's get going**

**Year 4** - Forces can be exerted by one object on another through direct contact or from a distance.

**LET THERE BE LIGHT - a mysterious energy**

**Year 5** - Light from a source forms shadows and can be absorbed, reflected and refracted.

**Biological Sciences**

**LIFE & LIVING - animals, plants and change**

PP - Living things have basic needs, including food and water.

**Year 1** - Living things have a variety of external features.

**Year 1** - Living things live in different places where their needs are met .

**Year 2** - Living things grow, change and have offspring similar to themselves.

**LIVING THINGS - growth & survival**

**Year 3** - Living things can be grouped on the basis of observable features and can be distinguished from non-living things.

**Year 4** - Living things have life cycles

**Year 4** - Living things depend on each other and the environment to survive.

**Year 5** - Living things have structural features and adaptations that help them to survive in their environment.

**Year 6** - The growth and survival of living things are affected by the physical conditions of their environment

**Earth and Space Sciences**

**EARTH & WEATHER - environment & space**

PP - Daily and seasonal changes in our environment, including the weather, affect everyday life.

**Year 1** - Observable changes occur in the sky and landscape.

**Year 2** - Earth's resources, including water, are used in a variety of ways.

**EARTH'S RESOURCES – air, water & earth**

**Year 2** - Earth's resources, including water are used in a variety of ways.

**EARTH & BEYOND - our blue planet**

**Year 3** - Earth's rotation on its axis causes regular changes, including night and day

**Year 4** - Earth's surface changes over time as a result of natural processes and human activity

**Year 5** - The Earth is part of a system of planets orbiting around a star (the sun)

**Year 6** - Sudden geological changes or extreme

**Chemical Sciences**

**MATERIAL MYSTERIES - objects and their properties**

PP - Objects are made of materials that have observable properties.

**Year 1** - Everyday materials can be physically changed in a variety of ways.

**Year 2** - Different materials can be combined for a particular purpose.

**MATERIALS & CHANGE - getting a reaction**

**Year 3** - A change of state between solid and liquid can be caused by adding or removing heat.

**Year 4** - Natural and processed materials have a range of physical properties that can influence their use.

**Year 5** - Solids, liquids and gases have different observable properties and behave in different ways

**Year 6** - Changes to materials can be reversible, such as melting, freezing, evaporating; or irreversible, such as burning and rusting.

**TEACHERS COMMENTS**

Mr Doyle's presentation was very entertaining and educational. He repeated the learning he was covering and kept the children engaged. He also managed the children well, especially as they were very excited.

**Hawker Park PS July 2019**

We loved it – the whole show included so many experiments that were closely linked to the curriculum – Great Work!  
Mick presents very well – each show we have seen has been fun and educational.

**Bluegum Montessori School  
March 2019**

Thank you Mick for your visit to our school and the fantastic ways you conveyed the different things that were relevant to both year levels.

**Our Lady of Mercy PS  
September 2019**

The incursion was fabulous. Interesting and age appropriate. Great behaviour management and lots of audience participation.

**Arbor Grove PS November 2019**

The shows were educational and relevant to the curriculum. One of our year 3 teachers told me that on the walk back to class one of her students who finds concentrating difficult threw up his arms and said "I loved it" he was 100% engaged the whole time.

**Melville PS April 2019**

Perfect blend of fun and learning. Always done to a high standard. Thank you.

**Treetops Montessori School  
September 2019**

Great hands-on examples relating to real life. The kids were very engaged and excited. Very fast paced!

**East Beechboro PS May 2019**

Thanks for an awesome show! Very entertaining, informative and well prepared.

**Warnbro CHS Ed Support Centre  
May 2019**

The kids of all ages really enjoyed themselves and I would love to book again.

**Carlisle PS August 2019**

Thank you very much for coming. The kids loved watching the experiments and exciting reactions... The kids loved the show, thank you, great value for money!

**East Butler PS September 2019**

Thanks you for the fantastic excursion. It was the perfect length of time. Mike was very knowledgeable, firm a FUN!! We will definitely be booking you again next year.

**West Coast Language  
Development Centre  
March 2019**

