

Course Information

TIMETABLE				
Monday 25 September	Tuesday 26 September	Wednesday 27 September	Thursday 28 September	Friday 29 September
Microscope Magic Years 4-5	Science is Real Years 1 -2	Special Effects Science Years 4-5	Slick Science/ Oil & Water Years 1-2	Weaponry of Ancient Rome: catapults Years 4-5 New
Super Science Years 1-2	Crush Me, Fold Me, Test Me: Paper Science Years 3-4 New	Zippy Balloon Science Years 3-4	Bright Sparks Years 3-4	Matter Mayhem Years K-1 New
DNA & Evolution Years 4-6	Crime Scene Investigation Years 5-6	Funky Physics Years K-1 New	Change, Mixtures & Pure Substances Years 5-6	Human Circulatory System Years 2-3
Attractive Science Years 3-4	Coding with Processing Years 4-6 (class for girls only) New	Coding with Processing Years 4-6 (class for everyone) New	Day of the Dinosaur (2 classes) Years K-1	Observing, Sensing, Moving Years K-1 New
D'Amazing Diseases Years 6-7 New	What's the Matter? Years 3-4		Incredible Forces Years 2-3	Earth & Solar System Years 2-3
Observing, Sensing, Moving Years K-1 New	Science in Sport Years 3-4			D'Amazing Diseases Years 6-7 New

CLASS DESCRIPTIONS

Monday 25 September

Microscope Magic Years 4-5	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • How to set up and use a microscope • How to make slides • What's in your cheek? • Life in a pond • Lifecycle under the microscope • Cleaning microscopes 	Super Science Years 1-2 <p>**Learning activities will go until 4.00pm only. Care is available until 5.30pm and children will play inside and outside from 4.00pm - 5.30pm. You can collect your child anytime from 4.00pm - 5.30pm.**</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Proprioception – your place in space • Animal athletes – can you jump as high as a flea? • Sock walk – what do our feet find in the bush? • What frog is that? Tadpole identification • Looking at our ears and how we hear – make an amplifier
Attractive Science Years 3-4	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Electrostatics: all charged up • Electrostatics: may the force be with you • Electrostatics: levitating rings • Magnetic forces: what things are magnetic? • Magnetic forces: making a compass 	DNA and Evolution Years 4-6	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Alike but different • Tree of genetic traits • DNA model • Dog DNA: interpreting the code • Extracting strawberry DNA • Preying on beans: evolution and natural selection • Bird beak adaptations
D'Amazing Diseases Years 6-7 New	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Principles and practice of electrophoresis • Whose DNA was left behind? • Koch's postulates • Epidemiologic triangle activity • The cake stall at the Spring fair went horribly wrong! Can you work out what happened 	Observing, Sensing, Moving New Kindergarten only <p>**Learning activities will go until 4.00pm only. Care is available until 5.30pm and children will play inside and outside from 4.00pm - 5.30pm. You can collect your child anytime from 4.00pm - 5.30pm.**</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Sensing sound • Catch the balloon • Cloud in a jar • Biggest, strongest, fastest • Our heart • Why do I get dizzy?

CLASS DESCRIPTIONS

Tuesday 26 September

<p>Science is Real Years 1-2</p> <p>**Learning activities will go until 4.00pm only. Care is available until 5.30pm and children will play inside and outside from 4.00pm - 5.30pm. You can collect your child anytime from 4.00pm - 5.30pm.**</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Purple celery experiment • How much does an insect eat? • Marble physics • Where is my tree? • Film canister rockets • It's all natural 	<p>Crush Me, Fold Me, Test Me: Paper Science New Years 3-4</p>	<p>Paper is one of humanity's great inventions and we are still learning more about its uses.</p> <p>Learning experiences include:</p> <ul style="list-style-type: none"> • Examine paper under a microscope • Test paper's strength • Engineer a paper plane • Make your own paper • Learn the Miura-ori fold and discover how it is revolutionizing design
<p>Crime Scene Investigation CSI Years 5-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Collect evidence: fingerprinting, dental forensics, footprint analysis, chromatography, handwriting analysis • Solve a crime in your group! 	<p>Coding with Processing Years 4-6 New</p> <ul style="list-style-type: none"> • This class is open to girls only. A class for everyone is offered Wednesday 27 September. 	<p>Learn to code using Processing (Java language)</p> <ul style="list-style-type: none"> • Processing is a visual programming language designed for creative people incorporating digital multi-media • Processing is based on Java so you learn Java coding • Learn to draw shapes in different colours and move them around the screen • Create your own avatar • Interact with your creations • Check out processing.org for more information
<p>What's the Matter? Years 3-4</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Making a thermometer • Chemistry magic show • Molecule tag • Dancing ooblek • See an invisible gas • Classic candle experiment • Test items: are they acids or bases? 	<p>Science in Sport Years 3-4</p>	<p>Will Egg-bert survive the day? Use your newfound knowledge and skills to make sure Egg-bert makes it (or not, that's fun too).</p> <p>Learning experiences include:</p> <ul style="list-style-type: none"> • Do activities and games on energy • Test your reaction time • Know your hand preference • Learn about how you balance

CLASS DESCRIPTIONS

Wednesday 27 September

<p>Special Effects Science Years 4-5</p>	<p>Learning experience Include:</p> <ul style="list-style-type: none"> • Making Spooky potions that change colour • Making and using a variety of invisible inks • A brain dissection • Spreading the Zombie virus • Making fake blood • Creating fake wounds 	<p>Funky Physics</p> <p>Years K-1 New</p> <p>**Learning activities will go until 4.00pm only. Care is available until 5.30pm and children will play inside and outside from 4.00pm - 5.30pm. You can collect your child anytime from 4.00pm - 5.30pm.**</p>	<ul style="list-style-type: none"> • We'll explode ... safely! • We'll apply force and propel and hit targets • We'll push and pull and drop and explore gravity • At the end of today we will understand Earth a little better!
<p>Zippy Balloon Science Years 3-4</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • The exploding bag • Flushed away • Making ice-cream • Making sherbet • Heat conduction activity • Make a hovercraft • Marshmallow puff tube experiment 	<p>Coding with Processing Years 4-6 New</p> <ul style="list-style-type: none"> • This class is open to everyone 	<p>Learn to code using Processing (Java language)</p> <ul style="list-style-type: none"> • Processing is a visual programming language designed for artists and creatives incorporating digital multi-media • Processing is based on Java so you learn Java coding • Learn to draw shapes in different colours and move them around the screen • Create your own avatar • Interact with your creations • Check out processing.org for more information

CLASS DESCRIPTIONS

Thursday 28 September

<p>Slick Science/ Oil and Water Years 1-2</p> <p>**Learning activities will go until 4.00pm only. Care is available until 5.30pm and children will play inside and outside from 4.00pm - 5.30pm. You can collect your child anytime from 4.00pm - 5.30pm.**</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Experiment: clean up an oil spill • Make oil art (marbling) • Move a cardboard boat through water without touching it • Water density: what floats and what sinks • What dissolves in water? What doesn't? <p>Experiment: which fabrics absorb more water than others?</p>	<p>Day of the Dinosaur Kindergarten – Year 1 (2 classes)</p> <p>**Learning activities will go until 4.00pm only. Care is available until 5.30pm and children will play inside and outside from 4.00pm - 5.30pm. You can collect your child anytime from 4.00pm - 5.30pm.**</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Fizzing dinosaur eggs • Make fossil imprints • T-rex tag • Bird feather bonanza • Pasta skeleton • How big is a dinosaur's foot?
<p>Bright Sparks Years 3-4</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Human circuits • Testing conductors and insulators • Fruit batteries • Circus relay • Building circuits – lights and buzzers • Steady hand game 	<p>Incredible Forces Years 2-3</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Balloon rockets • Egg-citing science • Push and pull dance • Magnetic forces • Make a bridge that can withstand strong push forces
<p>Chemistry: Change, Mixtures and Pure Substances Years 5-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • An alien invasion experiment • Why are fireworks different colours? • Rubbery eggs • Make a lava lamp • Grow your own stalactites • Separating polymers • Magnetic slime 		

CLASS DESCRIPTIONS

Friday 29 September

<p>Observing, Sensing, Moving New</p> <p>Kindergarten</p>	<ul style="list-style-type: none"> • Sensing sound • Catch the balloon • Cloud in a jar • Biggest, strongest, fastest • Our heart • Why do I get dizzy? 	<p>Matter Mayhem New</p> <p>Kindergarten and Year 1</p> <p>**Learning activities will go until 4.00pm only. Care is available until 5.30pm and children will play inside and outside from 4.00pm - 5.30pm. You can collect your child anytime from 4.00pm - 5.30pm.**</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • It's all about adding and subtracting and making something new • Do elephant's use toothpaste? • Is slime really slippery? • Do cupcakes really need all those ingredients?
<p>Weaponry of Ancient Rome: Catapults New</p> <p>Years 4-5</p> <p>Note: there will be an equal gender split in this class</p>	<p>It's Romans vs Barbarians and your only weapons are marshmallows to attack and a cardboard shield to protect you and your team.</p> <p>Use your knowledge of forces, motion, and energy to seize the day!</p>	<p>Human Circulatory System Years 2-3</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Make a heart, a lung, and blood • Model the circulation of blood around the body • Sheep heart and lung dissection • What can you see in the chest x-ray of a child? • Experiment: what gets our heart pumping the most?
<p>Earth and Solar System Years 2-3</p>	<p>Learning Experience include:</p> <ul style="list-style-type: none"> • Making Earth's defence - our magnetic field • The charged particle game • How do moon craters form? • Oreo moon cycle • Make a model of the Earth, Sun and Moon • Check out a solar telescope 	<p>D'Amazing Diseases Years 6-7 New</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Principles and practice of electrophoresis • Whose DNA was left behind? • Koch's postulates • Epidemiologic triangle activity: <p>The cake stall at the Spring fair went horribly wrong! Can you work out what happened?</p>