

CLASS DESCRIPTIONS APRIL 2019

A: class title	Class description
<p>Ancient Greek Archaeology: Digging into the mysteries of the past</p> <p>Years 5-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • What is Archaeology? • Garbage talks: looking at material found on "digs" and how to use this to answer questions • Visit to the Ancient History Museum • What lasts in the ground? • Do a dig: find items in an excavation and piece them together
B: class title	Class description
<p>Bird Time Lucky</p> <p>Years 2-3</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Bird watching – what can you see? • Bird Bingo • Bird talk from a special guest • Bird beaks and adaptations • Build a nest
<p>Bubbleology</p> <p>Years K-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"> • The science of bubbles • What ingredients make the best bubbles? • Unbreakable bubbles! • Spooky dry ice bubbles • Sunshine, rainbows and... GIANT BUBBLES

D: class title	Class description
<p>Day of the Dinosaur</p> <p>Years K-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"> • Fizzing dinosaur eggs • Make fossil imprints • T-rex tag • Bird feather bonanza • Touch and feel bird experience • Pasta skeleton • How big is a dinosaur's foot?
<p>DNA and Evolution</p> <p>Years 4-6</p>	<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
E: class title	Class description
<p>Earth and Solar System</p> <p>Years 2-3</p> <p>(with solar telescope!)</p>	<p>Learning experiences 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>Earth Explorers (formerly Astronomy 2: The Modern Earth)</p> <p>Years K-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"> • Create the layers of the Earth • All about volcanoes • The wonder of rocks • Make Martian sand • Plants on Earth
<p>F: class title</p> <p>Funky Physics</p> <p>Years K-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>Class description</p> <p>Learning experiences include:</p> <ul style="list-style-type: none"> • We'll explode ... safely! • We'll apply force, propel and hit targets • We'll push, pull, drop and explore gravity • At the end of today we will understand Earth a little better!
<p>G: class title</p> <p>Geology Rocks!</p> <p>Years 3-4</p>	<p>Class description</p> <p>Learning experiences include:</p> <ul style="list-style-type: none"> • The rock cycle • What rock is that? • Rock abrasion • Minerals under the microscope and looking at mineral density • Build an earthquake resistant building • Meet a real, live geologist! What do they do anyway?

<p>Goody Poo Shoes</p> <p>Years 5-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Excursion: Do fieldwork with the Scoop-a-Poop citizen science research project at Macquarie University. • How can we study animals without having the animal? • Why the project needs possum poop - what are we learning from the poop? • Discussion of antibiotic resistance and how it is getting into the environment and our wildlife • How to collect poop, record the sample using the app and scooping poop in the classroom with playdough poop • Collect samples safely: walk to suitable spot on campus to collect real possum poop • What happens to the samples when they come to the lab? • Practise using pipettes and coloured water and do lab work • Take home a collection kit to show your families your new scientific fieldwork skills!
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H: class title	Class description
<p>The Human Circulatory System</p> <p>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?
I: class title	Class description
<p>Incredible Forces</p> <p>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

L: class title	Class description
<p>Let's Get Physics</p> <p>Years 3-4</p>	<p>Learning experiences include:</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> <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
M: class title	Class description
<p>Matter Mayhem</p> <p>Years K-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 elephants use toothpaste? • Is slime really slippery? • Do cupcakes really need all those ingredients?
<p>Magic Tricks</p> <p>Years K-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> <p>Make some magic (it's really just science)!</p> <ul style="list-style-type: none"> • First, make your wand • Walking on water • Lemon volcano • Magic potion • Heat changing slime • Electric eels • Put on a show!

S: class title	Class description
<p>Special Effects</p> <p>Years 4-6</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>Space Cadets (formerly Astronomy 1: The Solar System)</p> <p>Years K-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"> • Explore the birth and death of stars • Invent your own nebula • Learn about Ultra violet light on Earth • Model the creation of a planet • Design and build a space station and rocket

V: class title	Class description
<p>Volcanology</p> <p>Years 5-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Volcanoes intro – everything you need to know! • Types of volcanoes • Let's erupt! • Volcanic rocks – trip to the Macquarie Rock Lab • The dangers of volcanoes and their aftermath • Q&A with a special guest Volcanologist

W: class title	Class description
<p>Weaponry of Ancient Rome: Catapults</p> <p>Years 5-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Science of catapults: Forces, Motion and Energy • Build a Roman Shield • Ancient Roman Weaponry Show at the Ancient History Museum • Flying Balloons • Build a mini catapult • Romans vs Barbarians: The battle has begun! Your only weapons are marshmallows to attack and a cardboard shield to protect you and your team. Use your knowledge of forces, motion, and energy to seize the day!
<p>We Build this City</p> <p>Years 1-2</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Engineer a house for a mouse • Build and test your own floating boat • Design a bridge • Invent a new game • Take home your awesome constructions

<p>What's the Matter?</p> <p>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>Z: class title</p>	<p>Class description</p>
<p>Zippy Balloon Science</p> <p>Years 3-4</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • 3, 2, 1... Blast Off! • Flushed away • Making ice-cream • Making sherbet • Heat conduction activity • Make a hovercraft • Marshmallow puff tube experiment