

CLASS DESCRIPTIONS JULY 2018

B: class title	Class description
<p>Bubbleology Years K-1 **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! • I'm in love with the shape of... bubbles! • Sunshine, rainbows and... GIANT BUBBLES
C: class title	Class description
<p>Coding with Processing Years 4-6</p>	<p>Learning experiences include:</p> <p>Learn to code using Processing (Java language) Processing is a visual programming language designed for creative people incorporating digital multi-media.</p> <ul style="list-style-type: none"> • 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>CSI Years 5-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Collect evidence <ul style="list-style-type: none"> ▪ fingerprinting ▪ dental forensics ▪ footprint analysis ▪ chromatography ▪ handwriting analysis • Solve a crime in your group!

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>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

F: class title	Class description
<p>Funky Physics 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"> • 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!

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

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 elephant's 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!
<p>Micro:Bit, Programming Electronics</p> <p>Years 3-4</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Learn to think like a Computer Scientist! • Discover the hardware and software concepts behind everyday objects like TV's, microwaves and traffic lights • Learn the difference between hardware and software • Create 'new technologies' and solve problems using hardware and software • Learn to program electronics with the Micro:bit!

S: class title	Class description
<p>Special Effects Science</p> <p>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
W: class title	Class description
<p>The Wonder Gears</p> <p>Years 3-4</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Simple machines- why use gears? • How to make working gears DIY • Building gear train models using different gear types • Gaining control- how gears impact torque, direction and speed • Being an engineer- designing and building complex machines to solve everyday problems with gears