

Class Title	Class Description
<p>Bubbleology Year K-1</p> <p>Learning activities finish 4pm. Care is available until 5.30pm. Children can be picked up between 4.00pm-5.30pm</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • The science of bubbles • What makes the best bubble? • Make your own touchable bubbles • Create spooky dry ice bubbles • Learn about how rainbows form by making giant bubbles!
<p>CSI Years 5-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • Learn how to look for evidence and solve crimes as a Forensic Scientist • Analysing Fingerprints • Dental forensics - Find out who the "murderer" is in your class by analysing their bite • Footprint analysis • Using chromatography to solve crime • Become a handwriting expert to find the criminal • Under the microscope - Get close up on hair and fibre evidence • Put all your knowledge to the test and solve a crime with your group
<p>DNA & Evolution Years 4-6</p>	<p>Learning experiences include:</p> <ul style="list-style-type: none"> • How are we alike? How are we different? • Tree of genetic traits - where do you fit? • Create a DNA model • Dog DNA - Interpret the code then create your own species • Extracting strawberry DNA • Preying on beans - Evolution and natural selection • Bird beak adaptations - How do they adapt to their environment for survival?

Earth Explorers

(formerly Astronomy 2: The Modern Earth)

Years K-1

Learning activities finish 4pm. Care is available until 5.30pm. Children can be picked up between 4.00pm-5.30pm

Learning experiences include:

- Deep inside the Earth - Make your own model of the Earth's layers
- Water magic - How water fundamentally changed our planet's geology
- Volcanic eruptions!
- The wonders of rocks on Earth
- Make your own Martian sand (to take home!)
- Touch and observe ancient fossils - What can they tell us about the past?

Falling with Style

Years 2-3

Learning experiences include:

- Let's fly! Learn about the fundamentals of flight in this hands on class
- Discover a range of toys and objects that fly
- Perfecting the paper plane - Dart planes, hang gliders, circular planes
- Experiment with seeds that fly
- Paper plane competition - Whose plane can fly the furthest and longest?
- Make your own paper helicopters
- Make your own mini hot air balloon

Funky Physics

Years K-1

Learning activities finish 4pm. Care is available until 5.30pm. Children can be picked up between 4.00pm-5.30pm

Learning experiences include:

- Energy and movement - Exploring the pendulum
- Making catapults - Who can launch a marshmallow the furthest?
- Galileo's gravity experiment
- Balancing act - Design your own balance toy
- Newton's first Law of Physics - Using eggs!
- Explosions - What is the force behind them?
- Exploring fair tests with paper helicopters

Good Vibrations

Years 1-2

Learning experiences include:

- Sensing Sound - How does hearing work? What's that sound?
- Good Vibrations - Exploring the vibrations of sound
- Make some noise! - Investigating different sounds and how to make them
- How sound travels - Making a string telephone
- Seeing sound - Dancing salt experiment
- The science behind the sound - Understanding how musical instruments make different sounds

Incredible Forces

Years 2-3

Learning experiences include:

- Balloon Rockets - Learn about forces when creating your own balloon rocket
- Egg-citing science - Whose egg survives? Experimenting with the force of gravity using parachutes
- Froggy Friction - Learn about friction force as you help your frog climb the string
- Magnetic forces - Understanding how magnets work
- Balancing forces - Become an engineer and design the strongest bridge

Let It Grow

Years K-1

Learning activities finish 4pm. Care is available until 5.30pm. Children can be picked up between 4.00pm-5.30pm

Learning experiences include:

- The Science of Gardening - Do you know what it takes to grow?
- Rainbow Roses - Experiment on how plants use water
- Bush tucker garden walk - Explore with a Biologist and learn about edible gardens
- Why do leaves change colour?
- Garden Scavenger Hunt
- Make your own Grass Head to take home!

Life on Mars

Years 5-6

Learning experiences include:

- Creating Martians - Understanding environmental pressures and adaptations for survival
- Testing for life in the Martian Soil
- Did evidence for Martian life come to us in a meteorite?
- Become a NASA Flight Director and land safely on Mars
- Constructing a Martian home - Build a geodesic dome
- Surviving frostbite on Mars

Matter Mayhem

Years K-1

Learning activities finish 4pm. Care is available until 5.30pm. Children can be picked up between 4.00pm-5.30pm

Learning experiences include:

- Cooking Science - Making honeycomb to discover science in cooking
- Birdseed Ornaments - Discover what ingredients bind others together
- Iodine Clock - Witness a chemical reaction right before your eyes
- Elephant Toothpaste - Do elephants really use toothpaste or are we actually making chemical reactions?
- Making Slime - Explore chemical reactions and a non-Newtonian fluid
- Blow It Up! - Experimenting with gas

Microscope Magic

Years 4-6

Learning experiences include:

- Become a master at using a microscope
- Collect and examine your own DNA
- Discover the secret life of little critters living in our pond water
- Compare the cells collected from humans, plants and bacteria
- Explore the life cycle of a Sea Monkey

Space Cadets

(Formerly Astronomy 1: The Solar System)

Years K-1

Learning activities finish 4pm. Care is available until 5.30pm. Children can be picked up between 4.00pm-5.30pm

Learning experiences include:

- Explore the birth and death of stars
- Invent your own nebula
- Create your own UV bracelet that tells you when you need sun protection!
- Model the creation of a planet
- Design and build a space station and rocket!

Take to the Skies

(Previously part of Flight)

Years 4-5

Learning experiences include:

- Discover things that fly
- Make the best paper plane - Fly Phantom, Nakamura and Cardinal designs, then make your own
- How are birds able to fly?
- Learn about seeds that fly and create your own
- Make your own flying toy!
- How heavy is air?

We Build This City

Years 1-2

Learning experiences include:

- Engineer a house for a mouse
- Build and test your own floating boat
- Design a bridge
- Build a maze game for your mouse
- Take home your awesome constructions

Wonder Gears

Years 4-5

Learning experiences include:

- What is a simple machine and how are they used in everyday life?
- Make your own working gears - Learn about driver and follower gears
- Build a gear train from LEGO - Investigate effects that different gears have on torque, direction and speed
- Engineer a street sweeper machine with LEGO
- Test your new engineering skills to design and build a machine to solve an everyday problem

Zippy Balloon Science

Years 3-4

Learning experiences include:

- Balloon explosions - See the effects of conduction as you test how long the balloons can last
- Make a hovercraft and race your classmates to fly the furthest
- 3, 2, 1 ... Blast off - Create rockets with chemical reactions
- Flushed away - What can be flushed down the toilet? Are flushable wipes really flushable?
- Investigate the impact of salt on ice by making ice-cream (non-dairy options available)
- Marshmallow puff tube experiment - How far can you fire a marshmallow?
- Create a chemical reaction in your mouth! - Making sherbet