CLASS DESCRIPTIONS DECEMBER 2018

B: class title	Class description
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.**	**Learning experiences include:** • The science of bubbles • What ingredients make the best bubbles? • Unbreakable bubbles! • Spooky dry ice bubbles • Sunshine, rainbows and... GIANT BUBBLES

C: class title	Class description
Coding with Processing Years 4-6	**Learning experiences include:** Learn to code using Processing (Java language) 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

Crime Scene Investigation
 	
Years 5-6
	Learning experiences include:
	
	• Collect evidence
	  ▪ fingerprinting
	  ▪ dental forensics
	  ▪ footprint analysis
	  ▪ chromatography
	  ▪ handwriting analysis
	Solve a crime in your group!

D: class title	Class description
Day of the Dinosaur 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.**	**Learning experiences include:** • 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?
DNA and Evolution Years 4-6	**Learning experiences include:** • 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
Earth and Solar System Years 2-3	**Learning experience include:** • 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
Funky Physics 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.**	**Learning experiences include:** • 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
The Human Circulatory System Years 2-3	**Learning experiences include:** • 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
Incredible Forces Years 2-3	**Learning experiences include:** • 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
Magic Tricks 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.**	**Learning experiences include:** Make some magic (it's really just science)! • First, make your wand • Walking on water • Lemon volcano • Magic potion • Heat changing slime • Electric eels • Put on a show!
Matter Mayhem 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.**	**Learning experiences include:** • 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?
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

P: class title	Class description
Programming Electronics with Micro:Bit Years 3-4	**Learning experiences include:** • 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
Special Effects Science Years 4-5	**Learning experience include:** • 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
The Wonder Gears Years 3-4	**Learning experiences include:** • 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