

The BRAINWAVES Club

Term 1 2021: Neutrinos – Years 5 and 6

Venue: Brighton Grammar School

Term Fee: \$285

Meeting 1: Subzero Science!
Focus: Chemistry, Physics

It might be summer in Brighton, but the Brainwaves Club is about to become a whole lot cooler - negative 78.5 degrees Celsius to be precise. Today we will explore the properties of dry ice and the unusual way that it changes states. Hurry though, this sublime science about heat transfer, states of matter, and all things icy won't last long!

Meeting : Session Outline coming soon -with guest club leader

Meeting 3: What makes you YOU?
Focus: Genetics, mathematical ratios, percentages

You are one in 7.8 billion... and counting. There is no one else on Earth like you but as you'll discover in today's meeting, we're not so different after all. We all share traits and have many in common with our family. By looking at our genetic past and present, we can map our history using pedigree charts and even peek into the future by making predictions with Punnett squares.

Meeting 4: The Power of Tension
Focus: Physics

Unwind at the Brainwaves Club and explore energy transformations when we make rubber band powered flying machines. Energy cannot be created, and it cannot be destroyed, so where does it go? Can energy be stored for later, or is it always moving? Let's investigate energy... the power is yours Neutrinos!

What to Bring: Each week please bring a well-stocked pencil case which includes scissors, textas or coloured pencils, grey lead pencils, sticky tape or a glue stick, ruler, rubber and pencil sharpener.

About the Presenter – Sally Gridley

Sally is a STEM teacher with a passion for chemistry, game design, and coding. She holds a Bachelor of Biological Science (Hons), a Master of Teaching and is working towards a Master of Education in Digital Technologies. Sally's students have also experienced success in the STEM Games Challenge for a number of years. She loves doing scientific experiments and showing everyone just how fun science can be! She is looking forward to working with the Neutrinos this semester!