

The BRAINWAVES Club

Term 2 2021: Neutrinos – Years 5 and 6

Venue: Alphington Grammar School

Term Fee: \$285.00

Cinematic Science

New York might have Broadway, London may have the West End, and Los Angeles might be a movie-making hub, however this semester Alphington has its own theatrical epicentre, the Brainwaves Club! Movie and theatre buffs, join the Neutrinos as we shine a spotlight on science to discover how special effects help create 'movie-magic' and keep the show rolling on stage and screen. Each meeting, you will expand your scientific skills by **discovering** new information, **applying** it in hands-on activities and **creating** something to reflect your new movie magician status.

1 May

Meeting 5: It's a Curtain Raiser

Focus: Physics

It's time to lift the lid on physics, with pulleys that is. Neutrinos, today you will have the opportunity in teams to create pulley systems that seemingly defy gravity by lifting heavy objects. Are you up to the challenge of raising the curtain so the show can go on? Don't delay though, the clock is ticking and the guests have begun to arrive.

15 May

Meeting 6: A Tyrannosaurs Wreck

Focus: Palaeontology

Welcome to Jurassic Park... ahem, Cretaceous Park. Did you know many of the dinosaurs from the film are in fact not from the Jurassic period at all? Today we will investigate how science plays a starring role in movie research and how it doesn't always go to plan. Neutrinos will learn about geological eras and unearth dinosaur specimens, which they will assemble to take centre stage.

29 May

Meeting 7: May the Force be With You

Focus: Physics & Chemistry

All aboard the Millennium Falcon to investigate science in one of the most successful movie franchises to date. In Star Wars, characters use 'the force', an invisible power to move objects. In this meeting, with the help of science we will create our own invisible force using magnets and discover how other forces act on the earth (i.e. gravity). By the end of the session, the Neutrinos will combine physics and chemistry to create magnetic slime.

19 June

Meeting 8: That's All Folks!

Focus: Botany

The curtain has lowered and you walk on stage to rapturous applause and flying floral bouquets. Although, after placing your flowers in a vase they appear to be... changing colour! This sounds like a job for the Neutrinos, who will experiment to reveal how and why this is occurring. In doing so, we will uncover how plant biology facilitates water movement in a spectacularly colourful end to our cinematic science exploration.

What to bring

Each week please bring a well-stocked pencil case including:

- Scissors
- Pens and pencils
- Textas
- Sticky tape
- A glue stick

About the presenter

Jesse Chambers is a science educator who provides exciting learning experiences that seek to satisfy highly able students' appetite for knowledge. He has a double degree in science and education with honours and has recently completed a Master of Science Communication Outreach. Since joining G.A.T.E.WAYS, Jesse has delivered workshops spanning astronomy to zoology. He has a strong passion for inspiring students to learn about science and looks forward to joining the Neutrinos on their quest to become movie magicians!