

# The **BRAINWAVES** Club

**Term 4 2021 | Neutrinos | Years 5 and 6**

**Venue: Canberra Girls Grammar School - Junior School, Grey St Deakin**

**Term Fee: \$285**

**Meeting 5: The secrets of flowers revealed**

**Focus: Biology**

Neutrinos did you know that flowers are the reproductive organs of plants. In this lesson, we will make our own flower using tissue papers and explore how the male and female reproductive organs in a flower help in producing new offspring.

**Meeting 6: Let's make a conglomerate Rock?**

**Focus: Geology, Rock Cycle**

Do you know rocks keep changing? In this session, we will be making a conglomerate rock using lollies marshmallows and other edible materials. In this session, Einstein will explore different types of rock and explore how rocks are made. We will explore the relationships between magma and rocks and discuss the rock cycle, and then we will make an edible rock.

**Meeting 7: Let's accelerate and race!**

**Focus: Physics, Newton's third law**

To understand forces and motion, we will make a toy car using various recycled materials and then have a race to see the best build car? What forces a car to speed up or stop? Let's explore the speed and motion of our toy and the force that are acting on it.

**Meeting 8: Chemistry of elements!**

**Focus: Chemistry**

Neutrinos, did you know that the whole world is made up of 118 elements that mix up to make various things that we see around us. In this session, we will explore pure substances and mixtures and then make a mixture using various household kitchen compounds.

## **What to bring**

Members need to bring a well-stocked pencil case that includes scissors, glue and a small roll of sticky tape.

## **About the Neutrinos club leader: Richa Jyoti**

Richa is a passionate science teacher who strongly believes in learning by engaging in fun scientific inquiry. She lived in Auckland for 15 years and was thoroughly involved in nurturing scientific minds in various secondary schools. Now in Canberra, she is devoted to fostering the growth of young learners into global citizens. Her empathy mixed with her drive for hands-on activities makes children love to explore scientific theories as she helps build on their curiosity.