

The **BRAINWAVES** Club

Term 1 2021: DinoMites – Year 1 and 2

Venue: North Curl Curl Public School

Term Fee: \$285.00

A WORLD OF OPPORTUNITIES

This semester, the DinoMites are going to explore some of the coolest jobs on the planet. We will scour the globe from Germany to Italy, Turkey to Australia, the Pacific Ocean to Norway and from America to China. Pack your passports while we learn fascinating facts from the ancient world up until the present time! DinoMites will invent, discover, investigate, study, experiment, design, engineer, build, report, create, write, smell some truly horrible things and fight for Mother Earth!

“Only those who dare to fail greatly can ever achieve greatly!” – Robert F. Kennedy

13 February

Meeting 1: Welcome to the World Inventors Society!

Focus: Science, history

DinoMites leader, Inventor Kerrie, welcomes her hard-working, recruit inventors to the prestigious World Inventors Society. To be accepted into this society, young inventors must have an amazing, innovative idea for an invention. During this meeting, inventors will investigate some of the craziest inventions ever and case study some of the biggest invention failures of all time. Inventors will report back to the group some of their surprising discoveries! Inventors will create their own invention ‘failure’ stories to present and take home.

27 February

Meeting 2: Biologist for a Day!

Focus: Biology

Today, Biologist Kerrie welcomes her curious junior biologists to the lab to investigate the value and properties of the largest human organ - HUMAN SKIN! Biologists will delve into research and experimental activities which investigate the properties and anatomy of skin, how it replenishes itself, how it heals itself, what a bruise is and what skin cells do and look like. We will cover all things ‘skin’ just as thoroughly as skin covers us!

13 March

Meeting 3: Are you an Activist?

Focus: Environment, natural science

Welcome young inventors and entrepreneurs! Today, Activist Kerrie will splash her junior activists into the currents of the Pacific Ocean which they will float upon until they arrive at the Great Pacific Garbage Patch. Here they will be challenged with the problem of how to solve this modern day, very real, ecological disaster. The DinoMites will be called on to create diagrams of inventions that they believe could solve this catastrophe and present them to the group. Together, DinoMite activists will evaluate which inventions would work best in this treacherous part of the ocean. Next, they will journey to the Netherlands and meet one remarkable young inventor and entrepreneur who IS tackling this problem.

27 March

Meeting 4: Engineering through History

Focus: Engineering, History

Today our DinoEngineers will take off with Engineer Kerrie in the DinoChopper to Turkey. Here we will discover the oldest bridge in the world! Junior engineers will look closely at the bridge, and the materials it has been made with, to explore why it has lasted so long. How was it created and who was behind its creation? Junior engineers will look at other historical and modern types of bridges and investigate the use of supports and other strategies that structural engineers have used to create bridges. Junior DinoEngineers will create their own bridges, test them to see how strong they are, and discover ways they could be improved!

What to bring:

Please bring a notebook and a well-stocked pencil case to each meeting as well as a hat, drink and snack for the break (no nuts please)

About the Club Leader: Kerrie Parry

Kerrie is an experienced primary school teacher and G.A.T.E.WAYS presenter who has a passion for teaching gifted and talented children. She loves the freedom G.A.T.E.WAYS gives her to create interesting and engaging workshops. A mother of three, she has completed the Mini-COGE (Certificate of Gifted and Talented Education) and full COGE and is currently studying a Masters in Gifted Education at University of New South Wales. Kerrie is excited to be presenting this thrilling program to the DinoMites Club and can't wait to get your children interested, problem solving, thinking, and talking about these out-of-the-box topics.