

# The GATEWAYS BRAINWAVES Club

Term 2 2021: DINOMITES – Years 1 and 2

Venue: Bondi Public School

Term Fee: \$285.00

## UNEXPLORED WORLDS

There's nothing like the thrill of discovering a new place. And with so much of the world still unexplored, there are plenty of opportunities for adventure! Join us on this journey, as we take a look at hidden gems both on Earth and out into the galaxy, that until now, have been untouched by DinoMite explorers.

### 1 May

**Meeting 1: Peggy and Percy's Pyramid Predicament**

**Focus: Geography/History/Mathematics/Critical thinking**

Peggy and Percy are both well-known pyramid investigators, excellently versed in these Egyptian marvels. The pair have stumbled across unusual evidence that suggests there is a hidden world under Antarctica. Rumour is, it was created by a species with the same architectural style as the ancient Egyptians. Percy believes this theory and is convinced there's treasure to be claimed in this unexplored world. Peggy has her doubts. We'll examine the formulas and astronomy captured in the Egyptian Pyramids and compare these to the 'pyramids of Antarctica'. We'll then look at comparing sources and fact-checking, examining aerial images and analysing the geography of Antarctica. With this new-found knowledge, we'll surely be able to solve this debate for Peggy and Percy once and for all.

### 15 May (Guest Club Leader Lucinda Clutterbuck)

**Meeting 2: Perplexing Polyhedrons**

**Focus: Mathematics**

Polyhedrons vary in size and shape and can be perplexing because the number of sides, edges and vertices aren't always what we expect they will be. In this session DinoMites will apply lateral thinking skills to create our own polyhedrons using Lego and the Zometool creator kit - a unique, multi-dimensional construction system. We will also examine the nets of 3D shapes to predict what their constructed shape will look like and then test our predictions. How will you perform on a series of polyhedron puzzles?

### 29 May

**Meeting 3: Spiced up Storyland!**

**Focus: Literacy**

Machen, the mystery story maker of Storyland, is feeling flat. Everything in his imaginary world is bland and dreary. Bodser, the boss of stories, has told Machen that if he cannot spice up Storyland, he'll be relegated to a life as a story punctuation checker. Machen is distraught. He hasn't got the literacy know-how to make the necessary changes. We must help him. Travelling on a sensory journey, experimenting with a range of smells and tactile materials, we'll find the details that Storyland is lacking. Machen has promised whoever can save him from a life of checking for missing full-stops and capital letters will be given free-reign of Storyland. That would leave us free to create our very own piece of performance art in this special world. This is too good an opportunity to miss!

**19 June**

**Meeting 4: Zan's Zictory!**

**Focus: Mathematics**

Aliens on planet Zog are incredibly competitive. There's a competition coming up to win an out-of-this world trip to a neighbouring galaxy, Galacton. No one has ever visited Galacton before and Zan, one of the aliens, is desperate to be the first. She's hoping to take her gran, who has never left Zog before. But competition is fierce. Zan will need to use game theory and poly plugs to come up with strategies and beat the other Zogites. To impress the judges, she'll also need to describe how to win a variety of games. She's promised us a seat on the rocket if we help her win. Can we help Zan secure the prize and treat her gran, before using our new-found knowledge to create the most challenging game ever invented?

**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:**

Michelle Emsley has presented a variety of programs for G.A.T.E.WAYS. She is passionate about gifted education and has over nine years-experience as a primary school teacher. With a background as a reporter and radio producer, she's had the opportunity for plenty of adventures in unexplored worlds. Michelle loves nothing more than inspiring the explorers of the future. She cannot wait to begin this journey with the DinoMites!

**About the Guest Club Leader: Lucinda Clutterbuck**

Lucinda is an artist and animator with a passion for learning and thinking. She has produced over 30 short animations and she has run workshops for all ages using animation and art techniques, as well as cross-curricular programs. She loves to work with like-minded individuals of all age and the pursuit of knowledge. Lucinda thrives on helping children experience the flow of creative thinking, especially for problem solving.