



# WERRINGTON PUBLIC SCHOOL

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25<sup>th</sup> May 2023

## Stage One Excursion – Ranger Jamie: Heat (Push & Pull)

Dear Parents/Caregivers,

Students from Stage 1 will be attending an excursion to Ranger Jamie, Lizard Log – Western Sydney Parklands in Week 2, Term 3 on Wednesday 26th July 2023

The excursion has been planned to support the curriculum. The day kicks off with a meet and greet with our enthusiastic Rangers followed by an interactive and engaging science presentation, finishing with an exciting liquid nitrogen demonstration!

Students will be chosen from the audience to participate in fun experiments in front of their peers which will have your students engaged and laughing for hours. As they interact with everyday objects in the great outdoors, they'll observe and describe the effects of push and pull forces on the world and perform movement skills in a variety of sequences and situations.

In our hands-on activities, students will use materials, tools and equipment to develop solutions for a need – such as the need for speed in our go-kart championship or for air pressure power in our air rocket challenge! As they work together in teams, they'll be challenged to propose a range of alternatives to solving movement problems. They get to play with our cool scientific equipment and learn how technologies use forces to create movement in products and design and develop their own products that use one or more forms of energy to create change. Students investigate how forces and energy are used in products as well as describe the effects of push and pulls on objects they encounter, all while having tonnes of fun and further developing their love for science!

The cost of the excursion is \$40.00 per child. The students will depart Werrington Public School at **9:15am sharp** and return at approximately 2:30pm. Travel will be by bus. Please meet at the COLA at **9:00am** to ensure we can mark the roll and leave on time.

Students will need to wear full school uniform and bring the following items on the day:-

- **Recess and lunch** as there is no opportunity to purchase food or drink. *Clearly label* bags with your child's name. Please pack resealable water bottles only. As we are at an environmental centre, they have requested we minimise rubbish by packing food in reusable containers. A school hat and school jacket.

The group will be supervised by classroom teachers and SLSOs throughout the day.

Please ensure you have provided online consent and payment prior to Thursday 29<sup>th</sup> June. To ensure this excursion is cost effective attendees are strictly capped at 145 students please provide consent and payment ASAP to ensure your child's attendance. No late payments can be accepted. If you require additional time, please see Mrs Mallia in the office to arrange an alternative payment plan.

**Mrs Dempsey**  
Stage 1 Assistant Principal

**Mrs Avery**  
Principal

