



LEURA PUBLIC SCHOOL
Cnr Mount Hay Rd and Willow Park Ave
Leura, 2780
ph : 4784 1251 fax : 4784 3156
email : leura-p.school@det.nsw.edu.au

respect

responsibility

resilience

15th February 2022

BUILD A MIND INCURSION

Dear parents/caregivers,

This year our school is providing an opportunity for 3-6 students to attend an incursion with Build A Mind. This incursion was originally booked for 2021 however, due to Covid lockdown we rebooked for early 2022.



Our Stage 3 students will be attending the incursion on **Thursday 24th February** and **our Stage 2 students** will be attending the incursion on **Tuesday 1st March**. The incursion will be set up in the hall. The school will be covering the cost of this incursion, **there is no cost to our families**.

Thursday 24th February – Curriculum links

Year 5 – 9:15-12:15pm

Theme: Effective motion.

This unit involves the design of multiple prototypes to find the most effective way to move a robot without using wheels.

Students will:

- Explore the process of creating prototypes to solve a problem
- Test and evaluate the performance of their robots
- Discuss and present findings related to the criteria and constraints of their preferred model

Thursday 24th February – Curriculum links

Year 6 – 12:15pm – 3pm

Theme: Training camp.

This unit involves learning the basics of building and programming autonomous robots using sensors.

Students will:

- Learn how to execute controlled movements (e.g., straight move, point turn, curved move, turn with sensor, drive in a shape) using a Driving Base
- Use estimation to stop at an object
- Use the Distance Sensor to detect an object and respond

Tuesday 1st March – Curriculum links

Year 3 – 9:15-12:15pm

Theme: Balanced and Unbalanced Forces. This unit involves investigating the effects of balanced and unbalanced forces on the movement of an object.

Students will:

- Explore what forces are and how they can make objects move
- Create and program a robot to investigate the effects of balanced and unbalanced forces on the motion of an object
- Discuss and present findings about forces



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Tuesday 1st March – Curriculum links

Year 4 – 12:15-3pm

Theme: Speed and motion. This unit involves investigating what factors can make a car go faster to help predict future motion.

Students will:

- Explore race car features
- Create and program a race car to investigate what factors would make it go faster
- Discuss and present ways to make their car go the fastest

If you would like your child to attend this incursion, please complete the note below and return to the school office by **Monday 21st February**.

We hope all our 3-6 students can attend this valuable learning opportunity.

Best Wishes,

May Ptolemy
Principal

BUILD A MIND INCURSION

Thursday 24th February 2022 (Stage 3) and Tuesday 1st March 2022 (Stage 2)

Child's Name: _____ Class: _____

I give permission for my child to attend the Build A Mind Incursion at Leura Public School on either Thursday 24th February 2022 (Stage 3) or Tuesday 1st March 2022 (Stage 2).

Parent/Caregiver Name: _____

Parent/Caregiver Signature: _____ Date: _____

