

## **LEURA PUBLIC SCHOOL**

Cnr Mount Hay Rd and Willow Park Ave Leura, 2780

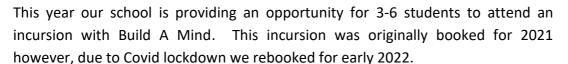
ph: 4784 1251 fax: 4784 3156 email: <a href="mailto:leura-p.school@det.nsw.edu.au">leura-p.school@det.nsw.edu.au</a>

respect responsibility resilience

15<sup>th</sup> February 2022

#### **BUILD A MIND INCURSION**

Dear parents/caregivers,





Our Stage 3 students will be attending the incursion on Thursday 24<sup>th</sup> February and our Stage 2 students will be attending the incursion on Tuesday 1<sup>st</sup> 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 1<sup>st</sup> 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

Parent/Caregiver Signature: \_\_\_\_

- 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 21**st **February.** 

We hope all our 3-6 students can attend this valuable learning opportunity.	
Best Wishes,	
May Ptolemy	
Principal	
	O A MIND INCURSION
Thursday 24 <sup>th</sup> February 2022 (	(Stage 3) and Tuesday 1 <sup>st</sup> March 2022 (Stage 2)
Child's Name:	Class:
I give permission for my child to attend the Bu Thursday 24 <sup>th</sup> February 2022 (Stage 3) or Tues	uild A Mind Incursion at Leura Public School on either sday 1 <sup>st</sup> March 2022 (Stage 2).
Parent/Caregiver Name:	



Date: \_\_