**THOMAS MITCHELL PRIMARY SCHOOL**

**YEAR 6 ACTIVITY – PROFESSOR BUNSEN ‘ENERGY AND MOTION’**

11th August, 2016

**Introduction/Links to Curriculum:**
As part of our Term 3 Essential Energy unit, the Year 6 students will be participating in an ‘Energy and Motion’ workshop with Professor Bunsen. Whilst working with Professor Bunsen, the students will be learning how to make and operate a renewable energy vehicle using a drink bottle, batteries and a number of other materials such as electrical circuits and solar panels. Throughout the following week the students will be making their own renewable energy vehicles with their classroom teachers. At the completion of our studies, each student will have their own renewable energy vehicle to take home and share with their family.

The learning areas covered in the week’s activities will include:
- Simple Machines: wheels, axles and pulleys
- Force & Motion: Newton’s Laws of Motion
- Electricity: Circuits
- Renewable energy: Wind, solar, elastic, compressed air and energy storage
- Energy conversion

The cost of this workshop and the school based follow up activities is a non-refundable $26.00. This covers the cost of the day’s activities with Professor Bunsen and the additional costs required to make their own vehicles with their classroom teachers. Students who are absent on the day of the workshop will still participate in the follow-up activities and build their own renewable energy vehicle with their classroom teachers.

**Participants/Classes:**
6CH, 6CW, 6JR, 6RQ and 6TG

**Date:**
Tuesday 30th August, 2016

**Times:**
- **Energy and Motion Presentation**
  9.30am – 10.30am – all Year 6 classes in the Gym
- **Construction Workshops**
  11.10am – 11.30am – 6TG and ⅓ of 6CH
  11.30am – 11.50am – 6RQ and ⅓ of 6CH
  11.50am – 12.10pm – 6CW and ⅓ of 6CH
  12.10pm – 12.30pm – 6JR and ⅓ of 6CH
  12.10pm – 12.30pm – 6JR and ⅓ of 6CH

**Venue/Address:**
Thomas Mitchell Primary School
- Energy and Motion Presentation will be held in the Gym
- Construction Workshops will be held in the LOTE Mandarin room

**Cost:**
$26.00

This cost is covered by the ‘Essential Items – Excursion Levy’ payment that all parents were requested to pay at the commencement of their child’s school year.

**NO REFUNDS** will be given if your child does not participate (eg. due to illness).

**Uniform:**
All students must wear school uniform.

**Permission form:**
To be returned by: **Wednesday 24th August, 2016**

Tim Gouge
Contact/Coordinating Teacher

John Hurley
Principal
THOMAS MITCHELL PRIMARY SCHOOL
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I give permission for my child ............................................................................................................ to participate in the above activity on Tuesday 30th August, 2016.

☐ I understand that the cost of $26.00 is covered by the Excursion Levy payment I have made.

I hereby authorise the teacher in charge of this event, to consent, where it is impractical to communicate with me, to my child receiving such medical or surgical treatment as may be deemed necessary.

Parent Name: ................................................................. Phone: .................................................................

Signed: ........................................................................ Dated: ........................................................................

Contact for day of activity: ........................................... Phone for day of activity: .................................