

As we head into week 5, we are well and truly on our journey of exploring our big idea,

'We invent machines to make our lives easier!'

Our recent discussions have revolved around the TV series, 'Shark Tank', where entrepreneurs showcase their business/invention ideas in order to attract investment opportunities from the sharks.

We have watched some talented young children and their amazing inventions via Youtube... age is definitely no barrier as we have seen below!

<https://www.youtube.com/watch?v=yYN01-kOqcU>

We discuss the formulae for invention and design, starting with a problem, brainstorming ideas, designing/drawing, making, testing, improving and possibly retesting.

Over the coming weeks we know our budding entrepreneurs will be busy preparing for our very own version of 'Shark Tank'!

Thank you
Colleen, Mat and Rosanna

Youtube: Monitoring Student Usage

Youtube is wonderful resource that we use to find out how to do something, ie following a recipe or an explanation on how something works or to just learn about something we are interested in, ie. simple machines.

Unfortunately, Youtube also has a lot of content that exposes the viewer to inappropriate material, whether accidental or by choice. Please continue to monitor your child/children's computer use, encouraging them to use it appropriately and to exit a video immediately when it is not age appropriate.

We continue to discuss these issues with our students and hope they can benefit educationally from this great resource and not be compromised emotionally by what they might hear or see!



Maths

Our Maths Big Idea:

Any *number, equation or measurement* can be *represented* in an *infinite* number of ways and have the *same value*.

Ruler investigation—an investigation to further understand our rulers, the numbers that we see, what the lines represent and the measures, centimeters (cm) and millimeters (mm) and explore the equivalence between them.

i.e 1cm = 10mm

How far will it go?—an investigation exploring distance. The students will be planning and designing car ramps out of a variety of materials including cardboard, carpet, plastic etc. They will testing how far their car will travel over two different surfaces which will develop their understanding of friction and measurement.

Writing

We have continued to explore procedural and explanation text types. Please feel free to encourage your child/children to find a simple/complex machine in the kitchen and write an explanation or a procedure.

- What it is for?
- What are the parts?
- How do you use it?



Reading

Comprehension Focus:

Compare and Contrast

During guided reading we will be exploring fiction and non-fiction texts that encourage students to find similarities and differences.

For example, characters and setting, machines and gadgets.

Things we need...

- boxes and containers (no bigger than a shoe box)
- Cardboard rolls (not toilet paper rolls)
- plastic bottles (2L or 1.25L or 1.5L)
- Old electrical/battery operated gadgets that can be pulled apart
- Old unwanted gameboy/donkey kong etc