



Richmond Primary School
YEAR 4 CLASS NEWSLETTER
TERM 3, 2017

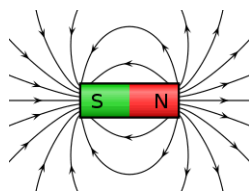


Term 3 Unit of Inquiry
'Showtime Forces'

Science

Students will have opportunity to:

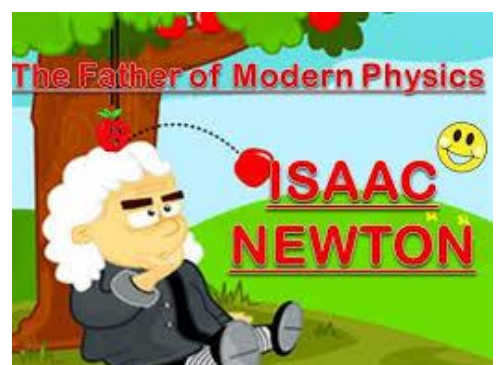
- investigate the effect of the forces of gravity, momentum, friction, buoyancy, upthrust and resistance on the behaviour of an object
- observe how speed is affected by the size of a force
- explore how both non-contact and contact forces push and pull objects
- explore the forces of attraction and repulsion between magnets



- identify questions that can be investigated scientifically and make predictions based on prior knowledge
- plan and conduct scientific investigations to find answers to questions



- consider the elements of fair tests and use digital technologies to make and record observations accurately
- use tables and simple column graphs to represent data and to identify patterns and trends
- compare results with predictions, suggesting possible reasons for findings
- reflect on investigations, including whether or not a test was fair
- gain an appreciation of how Isaac Newton's laws of motion and gravity built on the earlier works of Galileo Galilei and Leonardo da Vinci



English

Scientific Explanations - Forces

Students will be reading a range of digital, and printed texts, and interpreting visual texts (videos and diagrams) based on our Inquiry Unit, 'Forces'.

Students will have opportunity to:

- create oral and written explanations of the forces used to create and change movement within rides at the Royal Adelaide Show
- use demonstrated reading comprehension techniques to extract pertinent information from scientific explanations to build understanding of forces
- incorporate scientific terminology from a range of sources encountered in research into their own explanations about how forces act to create and change movement
- develop note-taking and mind mapping techniques to record and enhance understandings of scientific concepts
- record data, summarise results and write explanations of forces experiments



Poetry – Showtime Rides

Students will be reading and writing poetry depicting movement and sound, including a poem to describe and accompany their 'Marbleous Showtime Ride' 3D model.

Literary techniques and poetic devices to be applied include;

- onomatopoeia
- alliteration
- assonance
- consonance
- rhyming
- repetition
- rhythm

Mathematics

During our mathematics investigations this term we will aim to:

Money and Financial Mathematics

(cont from Term 2)

- develop efficient mental and written strategies for multiplication and for division
- solve problems involving purchases and the calculation of change to the nearest five cents
- solve word problems by using number sentences involving multiplication or division
- investigate decimal notation in the context of monetary calculations

$\begin{array}{r} .35 \\ +.75 \\ \hline 1.10 \end{array}$	$\begin{array}{r} .35 \\ +.75 \\ \hline 1.10 \end{array}$	$\begin{array}{r} .35 \\ +.75 \\ \hline 1.10 \end{array}$
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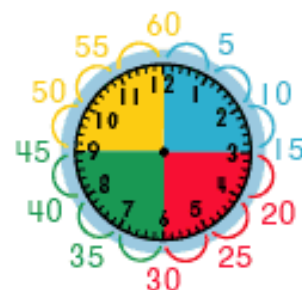
Mapping

- use simple scales, legends and directions to interpret information contained in basic maps
- create and interpret simple grid maps to show position and pathways



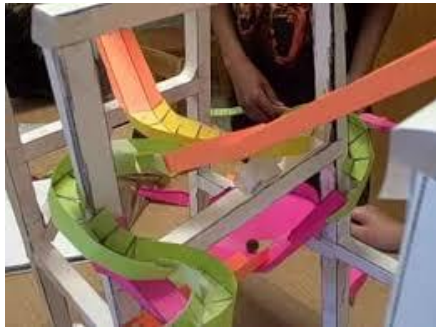
Time

- review analogue and digital time
- convert time between analogue and digital and vice versa
- tell time to the minute
- recognise there are 60 minutes in an hour and 60 seconds in a minute



Design Technologies – STEM

'Marbleous Showtime Ride' – 3D model



The 6Ds of Solution Fluency



Students will apply their knowledge of motion and forces to create a 3D marble run inspired by a show ride. The '6Ds' process (above) will be the process used to design, create and appraise a model to specified criteria, that demonstrates identified forces.

Performing Arts – Ms Poppy

This term students will explore music through a program called Music: Count Us In. The learning experiences in the program will develop children's aural, technical and expressive skills. Use your preferred search engine online to type in 'Shine Together' for Music Count Us In 2017 – A Sing-Along Video (Official) to find the song online. Encourage your child to rehearse at home and perhaps you might find yourself singing along too....

Physical Education – Mr Nguyen

This term the Year 4 students will be developing movement skills, dribbling, passing, catching skills and game play through the sports of basketball and netball.



Visual Arts – Ms Glasper

In Visual Art this term we will continue making birds from cardboard and paper mache before moving on to collage techniques.

Social / Emotional Learning and Health

– Mr Hart

- Play is the Way' program games
- 'Circles' sessions promoting pro-social behaviors, self-awareness, understanding of others, connectedness, resilience and problem-solving
- protective behaviors

Dates to Remember

(Please check the school newsletter for confirmation of these dates)

Tuesday 1st August
ICAS English Competition

Week 4 – 14th – 18th August Science Week

Tuesday 15th August
ICAS Maths Competition
Jane Goodwin – Author Incursion

Friday 18th August
Science Week Excursion

Week 5 - 21st – 25th August Book Week
'Escape to Everywhere'

Friday 1st September
School Closure Day – Royal Show

Monday 4th September
Student Free Day

Friday 30th September
Final Day of Term 2, 2pm finish

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