



Richmond Primary School
YEAR 4 CLASS NEWSLETTER
TERM 2, 2019

UNIT OF INQUIRY – TERM 2

Where Are We in Time and Space?



LEARNING INTENTIONS

Science

Students will be inquiring into;

- how the Earth's orbit around the sun and rotation on its axis causes regular changes, including night and day, a yearly cycle and seasonal weather
- how months are measured according to the moon's orbit around the Earth
- the earth, moon and suns' relative gravitational fields
- how and why shadows form and change.

Students will have opportunity to develop the scientific inquiry skills to:

- identify questions that can be investigated scientifically and predict what might happen based on prior knowledge
- conduct experiments in order to observe and record findings about how the Sun and the Earth cause shadows to form and change
- represent and communicate their findings in a variety of ways such as diagrams, physical representations and simple reports
- compare results with predictions, and suggest possible reasons for findings
- reflect on their investigations including whether or not a test was fair.

History

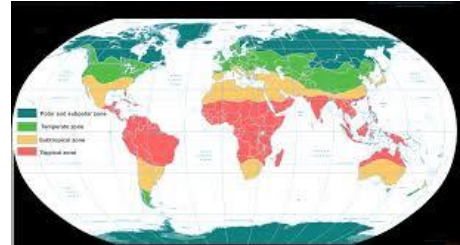
Within our 'Where Are We in Time and Space? Unit of Inquiry students will investigate these historical questions;

- How did early explorers and traders navigate the globe without modern technology?
- What were the reasons for global exploration and trading between the 1400s and 1800s?

Geography

Within our 'Where Are We in Time and Space? Unit of Inquiry students will investigate these geographical questions;

- Why are there different climate zones on Earth?
- What and where are these climate zones?
- How do we identify and describe locations on Earth?



English

Throughout our 'Where Are We in Time and Space?' inquiry unit students will be reading and writing these text types:

- scientific explanations
- historical biographies

incorporating vocabulary such as:

orbit, rotation, lunar, solar, satellite, gravitational field, shadow, umbra, penumbra, transparent, translucent, opaque, illuminate, reflection, phases, waxing, waning, direction, eclipse, navigate, solstice, hemisphere

Students will have opportunity to develop the literacy skills to:

- understand and use the language, grammatical features and structure of basic scientific explanations and biographies
- contrast factual scientific descriptions and explanations with fictional myths and folklore about the sun and moon
- effectively extract information from text, pictures, captions, diagrams, demonstrations and videos
- identify the features of online texts that enhance readability including text, navigation, links, graphics and layout
- plan oral presentations that provide some key details in a logical sequence
- present oral information in a clear, coherent manner using appropriate tone, pace, pitch and volume
- proofread and edit texts for meaning, appropriate structure, grammatical choices and punctuation.

STEAM Projects

(Science, Technology, Engineering, Art, Maths)

Using Makers Empire 3D digital design program, students will explore factors that impact on the design of products, services and environments to meet community needs.

Adopting the 6Ds process of solution fluency; 'Define, Discover, Dream, Design, Deliver, Debrief' students will design and create a model that demonstrates how shadows change over time.

Digital Technologies

Students will use PowerPoint to create, edit and present a scientific explanation on a chosen aspect of our Science inquiry incorporating diagrams and texts according to specified success criteria.



Mathematics

Money

Students will have opportunity to:

- recognise the relative values of coins and notes in our currency and calculate money amounts in multiple ways
- count the change required for simple transactions to the nearest five cents
- solve real life problems involving monetary transactions
- apply knowledge of place value to aid monetary calculations
- recognise which of the four major operations to apply in order to solve particular monetary problems.

Time

Students will have opportunity to:

- review analogue and digital time
- convert time between analogue and digital and vice versa
- use a.m. and p.m. notation
- solve simple time problems
- deepen their understanding of how the Earth, sun and moon create days, months, years and seasons and how these are measured numerically.



Mapping

Students will have opportunity to:

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

Mathematical Problem Solving Strategies

Students will have opportunity to learn how to apply their numeracy skills in order to solve realistic mathematical problems (described in words only) by using the following problem solving strategies as relevant:

- drawing a diagram
- drawing a table
- acting out solutions using relevant materials.

Visual Arts – Ms Glasper

This term in visual art our main focus will be based around 3D form and papier mache. We will finish our painting project from last term before constructing a shadow sculpture as part of an integrated class STEAM project (refer pg 1).

Performing Arts – Mr Rob

Students will continue to explore various genres of music and make connections to song lyrics, style and form. Our focus throughout Term 2 will be the study of Australian Aboriginal and Torres Strait Islander music, (past and present) and traditional Dreamtime stories as we prepare for NAIDOC Week in July. Students will create original musical compositions incorporating song structure and lyrics incorporating traditional instrumentation and/or contemporary Beatbox RAP rhythm patterns. Students will take part in the national Dream Big Festival (Wednesday 22nd May).

Italian – Mr Rob

Students will continue to build on Italian grammar and punctuation skills gained in Term 1. Throughout Term 2 students will conduct individual and group research into regional Italian geography, history, culture and the arts. Students will present their projects in written and oral form, supported by ICT.

Students will regularly review song lyrics and poems practising translation, speaking and responding in Italian.

Physical Education – Mr Nguyen

This term Year 4 students will be developing striking skills, teamwork, communication and understanding of rules through modified net and wall games.

Term 2 Dates to Remember

Please check the school newsletter for updates.

Week 2

Friday 10 May District Athletics Carnival

Week 4

Wednesday 22 May Dream Big Excursion Yrs 4-7

Week 7

Monday 10 June Public Holiday
Tuesday 11 June Pupil Free Day (Staff Professional Development)

Week 10

Wed 3 July School Photo Day

Mrs Jane Light Ms Sherie Redden