

**Year 5/6 Summer 2021**



Grampound Road

Curriculum maps

Maths

Intent: we will explore decimals by adding and subtracting numbers up to 3 decimal places. We will accurately draw shapes and measure angles using a protractor.

 **David’s Watch:**

* Learn and innovate the story of ‘David’s Watch’ focusing on vocabulary and dialogue in our writing.
* Write our own innovation story based on David’s Watch.
* Write for different purposes – factual. Learn the layout of and innovate newspaper reports.
* Write our own newspaper article innovation outlining the Moon landings.

Class read: Cosmic by Frank Cottrell-Boyce

**Year 5:**

* Adding and subtracting decimals
* Geometry – properties of shape: measuring and drawing angles
* Geometry – properties of shape: recognising parallel and perpendicular lines.

**Year 6:**

* Geometry – properties of shape: measuring and drawing angles
* Problem Solving using the four operations, fractions, decimals and percentages.

 **The Kingdom on God**

* To reflect on what the Kingdom of God is like.
* To re-write the parable of the seed sower.
* To reflect on how people show their commitment to God’s kingdom.
* To reflect on how we can respond to the invitation to God’s kingdom.
* To consider how the sacraments help us to respond to God.
* To reflect on the message that the Kingdom of God is for all.

**The Earth and Space**

* Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
* Describe the movement of the Moon relative to the Earth.
* Describe the Sun, Earth and Moon as approximately spherical bodies.
* Use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky.
* Develop an awareness of how our understanding of the solar system has developed over time.

**Inspire**

Cornwall SpacePort conference and scale model Solar System design.

**Thrive**

Children will design and create a space rocket.

**Discover**

What is out there?

Children to discover what can be found within the Solar System.

R.E.

Intent: we will explore the meaning of biblical texts and the concept of the Kingdom of God whilst finding out how Christians put their beliefs into practice.

Key vocabulary: Earth, moon, sun, lunar, solar, orbit, cycle, eclipse, seasons, axis, rotation and celestial.

Key vocabulary: dialogue, speech marks, relative clause, headline, formal, past tense and quotes.

Key vocabulary: Kingdom of God, parables, Kingship, rule, values, sacraments, Our Father, Liturgy, forgive, good shepherd.

Key vocabulary: mental health, ashamed, stigma, stress, anxiety, support, worried, signs, self-harm, emotions, feelings, despair, guilt, denial, shock, anger, bereavement, authority, power, bullying.

Literacy (including reading)

Intent: We will explore writing for different purposes.

PSHE

**Intent**: We will explore what makes a healthy relationship and realise that problems with mental health is nothing to be ashamed of.

Key vocabulary: Decimal: tenths, Hundredths,

thousandths, difference, group, share, compare,

decimal place Decimal point, digit, column and

place value.

Shape: polygon, quadrilateral, 2/3D, ir/regular

in/exterior angle, degrees, parallel,

perpendicular and view.

Science

**Intent**: we will explore the movement of the Earth and Moon relative to the Sun helping to explain how this creates day and night.

Impact: we can explain how day and night happen.

**Relationships**

* To explore what is mental health?
* To understand how to take care of mental health.
* To understand there are different stages of grief and that there are different types of loss that cause people to grieve.
* To recognise when people are trying to gain control.
* To judge whether something online is safe and helpful to me.
* To use technology positively and safely to communicate to my friends.

Impact: we will know the structure and features of a losing story and we will write for different purposes.

Impact: we will know how to solve friendship problems and how to help others feel part of a group. We will know what makes a good relationship.

Impact: we will relate Christian teachings or beliefs about God’s Kingdom to the issues and opportunities of our own lives and communities.

Impact: we will have applied formal addition and subtraction methods when working with decimals (up to 3dp). We will be able to draw shapes and angles, using a protractor, We will also be able to solve problems involving the four operations, fractions, decimals and percentages.



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**3D Modelling**

* To know what 2Design is used for.
* To explore different viewpoints when designing a building.
* To adapt one vehicle model by moving points to alter the shape whilst maintaining form.
* To explore how to edit the polygon 3D model for purpose.
* To refine a design and prepare for printing.
* To print a 2D net and made a 3D model.

**The Race for Space**

* To explore the Origins of the Space Race, the Cold War and the USSR achievements – Sputnik 1.
* To investigate Sputnik 2, Laika, Yuri Gagarin and the first women in space
* To explore the first space walk
* To discover the significance of the Apollo 11 mission, the crew and the impact it has had on history.
* To investigate if the moon landings real or faked?

**Athletics**

* To develop fluency and coordination of movement when running for speed.
* To develop greater efficiency, fluency and speed when running over obstacles.
* To develop greater efficiency, fluency and speed when running for distance.
* To perform a pull throw with greater control, efficiency and accuracy.
* To perform a push throw with greater control, efficiency and accuracy.
* To perform a heave and fling throw with greater control, efficiency and accuracy.
* To develop power, control and consistency when jumping for distance and height.
* To develop fluency and efficiency in running as a relay team.
* To learn how to measure and record performance.

**Dancing in the Street**

* To listen to and appraise the song.
* To learn the song through playing games and composing our own versions of the song.
* To practice performing as a class.
* To use instruments when performing the song.

**By**

Key vocabulary: pulse, rhythm, pitch, tempo, dynamics, timbre, texture, structure and notation.

Key vocabulary: USA, USSR, Cold War, Sputnik, Laika, Gagarin, Valentina Tereshkova, JFK, Alexey Leonov, Apollo 11, Armstrong, Aldrin, ‘Its one small step for man.’

Key vocabulary: warm up, stretch, jog, run, sprint, pace, endurance, throw, trajectory, take off, landing, follow through, measure and distance.

Impact: we will have an understanding of the Space Race and the significant events within the race. We will examine evidence to reason if the moon landings happened.

Key vocabulary DT: aerodynamics, air pressure, angle of elevation, compression, trajectory and velocity.

Art: moon phase, new moon, first quarter, last quarter, waxing crescent/gibbous, waning crescent/gibbous.

**DT UNIT: Water Rockets (STEM challenge)**

* To build a simple rocket which is propelled when the pressure builds up as water is pumped into a plastic bottle.

**ART UNIT: Phases of the Moon**

* To create a lunar chart by using a series of circular shaped printing blocks.
* To use a series of moon colours – silver, white, grey and yellow and match to each moon phase.

History

Intent: We will examine the Race for Space and the fierce competition between the USA and USSR.

Computing

Intent: We will explore 3D modelling

D.T./Art

Intent: We will make a rocket and a print showing the phases of the moon.

Music

Intent: explore a range of different sounds and songs that

P.E

Intent: We will explore moving in different ways to confidently run, jump and throw in competitive situations.

Key vocabulary: CAD – Computer Aided Design, Modelling, 3D, Viewpoint, Polygon, 2D, Net, 3D printing, Points

Impact: we will know how to make and print a 2D net and made this into a 3D model of our design.

Impact: we will be able to create and perform, by heart, the song Dancing in the Street.

Impact: we will be able to perform efficiently in a class mini-Olympics.

Impact: we will have successfully propelled a rocket through the air. We will also have an understanding of the moon phases and how these occur.