



Newnham St Peter's C of E Primary School

The Term Ahead for Spring 1 2021

Alders (Year 6)

Mrs Allen, Mrs Robinson, Miss Penfold, Mrs Pearson

Maths:

The children will have one arithmetic lesson and four 'Key Learning Point' lessons each week as well as daily opportunities to revisit previously taught concepts and times table practice, to secure their Mathematical knowledge and understanding.

This term, the children will cover:

Arithmetic

Multiplying and dividing decimal numbers by a 2-digit number; Calculating percentages of whole numbers; Long division expressing remainders as fractions and decimals; Carry out calculations involving all four operations, including brackets and indices.

Geometry: Properties of Shapes (Angles)

- Know angles are measured in degrees
- Estimate acute, obtuse, and reflex angles
- Use a protractor to measure and draw acute and obtuse angles
- Find missing angles where they meet at a point
- Find missing angles where they meet on a straight line
- Find missing angles where they are vertically opposite
- Find unknown angles in a triangle
- Find unknown angles in an isosceles triangle when only one angle is known
- Find unknown angles in a quadrilateral
- Find unknown angles in regular polygons

Geometry: Properties of Shapes

- Recognise and describe 3D shapes
- Classify 3D shapes, including spheres, cylinders, and cones
- Draw nets of 3D shapes
- Construct diagrams of 3D shapes on isometric paper
- Know the names and relationships of the parts of a circle

Addition, Subtraction, Multiplication and Division: Order of Operations

- Carry out calculations involving a mixture of addition and subtraction
- Carry out calculations involving a mixture of multiplication and division
- Carry out calculations involving a mixture of multiplication and addition/subtraction
- Carry out calculations involving a mixture of division and addition/subtraction
- Carry out calculations involving all four operations, including brackets
- Carry out calculations involving a mixture of addition and/or subtraction and indices
- Carry out calculations involving a mixture of multiplication and/or division and indices

Fractions: Addition

- Add proper fractions (denominators not multiples of one another) within the whole
- Add proper fractions (denominators not multiples of each other) beyond the whole (mixed number answer)

- Add mixed number and proper fractions (denominators not multiples of each other) fractions within whole (mixed number answer)
- Add mixed and proper fractions (denominators not multiples of each other) fractions beyond the whole (mixed number answer)
- Add mixed numbers (same denominators), fractions within and beyond the whole (mixed number answer)
- Add mixed numbers (denominators multiples of each other) fractions within the whole (mixed number answer)
- Add mixed numbers (denominators multiples of each other) fractions beyond the whole (mixed number answer)
- Add mixed numbers (denominators not multiples of each other) fractions within the whole (mixed number answer)
- Add mixed numbers (denominators not multiples of each other) fractions beyond the whole (mixed number answer)

English: Reading

On a Monday, Tuesday and Wednesday, the children will have a whole class Guided Reading session which will focus on an extract from a text. The children will focus on 'DERIC' (Decode, Explain, Retrieve, Inference and Choice) style questions and be taught how to answer questions independently with a focus on one of these areas. On a Thursday and Friday, children will have further opportunities to access different texts and build up fluency and confidence with reading comprehension.

Additionally, the children will have 'daily story time' where the teacher will read them a class book with a focus issue to be discussed and explored together. This term, the book will be 'Cosmic' by Frank Cottrell-Boyce.

English: Writing

This term, the children will be using the book 'Letters from the Lighthouse' by Emma Carroll as their writing stimulus. Through a mixture of experience days and sentence stacking days, the children will be explicitly taught how to use relevant grammar and punctuation in their writing. At the end of the unit, the children will complete some independent pieces of writing based on the narrative that they have been learning about. Additionally, the children will have a weekly session where they will have the opportunity to revisit and revise a specific grammar or punctuation focus.

Spelling:

Children will have a daily spelling lesson. Mondays, Tuesdays, and Wednesdays the children will be taught a spelling rule or pattern. On Thursdays and Fridays, the children will focus on spelling and applying common exception words to sentences. They will also practise writing ten common exception words using the 'look, cover, write, check' approach on a daily basis when they come into school in the morning too.

Handwriting:

The children will be following a continuous cursive handwriting scheme where they will practise their handwriting daily. The aim is to help children write neatly, with fluency and consistency, to improve their overall presentation in all books.

Each week, there will be a specific letter focus. This term, the children will focus on the 'The Curly Caterpillar Family' which will consist of the following letters: c, a, d, e, s, and g.

Science:

How have ideas about our Solar System changed and are they still changing?

In Science, the children will be learning about the Earth, Sun, and Moon by:

- Undertaking scientific enquiry, by planning, recording data and presenting findings.
- Describing the movement of the Earth, and other planets, relative to the Sun in the solar system.
- Describing the movement of the Moon relative to the Earth.
- Describing the Sun, Earth, and Moon as approximately spherical bodies.
- Using the idea of the Earth's rotation to explain day and night, and the apparent movement of the sun across the sky.
- A visit from the planetarium!

RE:

What does it mean if God is Holy and Loving?

In R.E, the children will learn:

- What Christians believe God is like.
- Understand the terms omnipotent, omniscient, and eternal to describe God.
- What do churches and cathedrals show about what Christians believe about God.
- Explain what the Bible says about God using psalms.
- Catholic Christians practise confession or penance.

History:

What was 'The Space Race'?

In History, the children will be learning about the recent history of exploration of space. The children will explore:

- Find out what 'The Space Race' is and which countries were involved in this race.
- Use and create timelines to identify key events in chronological order.
- Explore in detail some of key space race achievements in space, including the first man on the moon.
- Learn about life as an astronaut.
- Learn about the 'International Space Station' over the past twenty years and what has been discovered.

Art:

Who is the artist Peter Thorpe and what do we know about his abstract space art?

In Art, the children will be learning about and exploring the artist Peter Thorpe.

- Find out who the artist Peter Thorpe is and explore his work.
- Identify the style of work created by the artist and recreate one of his pieces.
- Create space art in the style of Peter Thorpe using a range of mediums.

PSHE:

In PSHE, the children will be continuing with the 'No Outsiders Project' which promotes an ethos of inclusion and equality and prepares children for life in modern Britain as they understand and celebrate living in a community full of difference and diversity.

DT:

How can we design and make a moving toy using a cam mechanism?

In D&T the children will be exploring the following:

- Understand how cam mechanisms can be used to make a model move.

	<ul style="list-style-type: none"> • Understand how the shape of a cam affects the movement of a follower. • Research ideas about different space objects to inform design criteria. • Build a framework accurately using a range of tools and equipment. • Create, use, and evaluate a mechanical product.
<p><u>Music:</u> 'A New Year Carol'</p> <p>This term, the children will have Music lessons from a specialist Music teacher every other Wednesday. The children will be complete the unit 'A New Year Carol'. The children will develop their understanding of Benjamin Britten's music whilst developing their knowledge and appreciation of the classical genre.</p>	<p><u>P.E:</u></p> <p>This term, the children will have a double P.E lesson every other Wednesday taught by a specialist sports coach. The children will be doing gymnastics sessions.</p> <p>The children will need to wear their PE kit to school on the following dates: Wednesday 13th January, Wednesday 27th January, and Wednesday 10th February.</p>