

Maths

Fractions

- Find fractions equivalent to a unit fraction
- Find fractions equivalent to a non-unit fraction
- Recognise equivalent fractions
- Convert improper fractions to mixed numbers
- Convert mixed numbers to improper fractions
- Compare fractions less than 1
- Order fractions less than 1
- Compare and order fractions greater than 1
- Add and subtract fractions with the same denominator
- Add fractions within 1
- Add fractions with total greater than 1
- Add to a mixed number
- Add two mixed numbers
- Subtract fractions
- Subtract from a mixed number
- Subtract from a mixed number - breaking the whole
- Subtract two mixed numbers

How to Add Fractions	
Same Denominators	Different Denominators
$\frac{1}{5} + \frac{3}{5}$	$7 \times \frac{1}{2} + \frac{3 \times 2}{7 \times 2}$
$\frac{1+3}{5} = \frac{4}{5}$	$\frac{7+6}{14} = \frac{13}{14}$



DT

Automata

- Explore the history of automata, identify the components and explain how the mechanism works.
- Create a design brief and sketch a design for the automata.
- Prepare the frame, measure accurately and safely cut the wood using a bench hook and hack saw.
- Accurately assemble the frame, gluing and strengthening the corners; measure cut and insert the axel.
- Explore the movement of cams and followers and select and install mechanism in the automata.
- Create the paper housing and decorate the automata.
- Present design and evaluate using the design criteria.



PSHE

Valuing Difference

- Describe ways of making a friendship last in order to explain why friendships sometimes end.
- Rehearse active listening skills in order to demonstrate respectfulness in responding to others.
- Develop an understanding of discrimination and its injustice in order to consider how discriminatory behaviour can be challenged.
- Describe the benefits of living in a diverse society and having mutual respect for different faiths and beliefs.
- Understand that the information we see online is not always true or accurate.
- Identify the consequences of positive and negative behaviour on ourselves and others.



RE

Was Jesus the Messiah?

- To know where incarnation comes in 'The Big Story'.
- Explain the connections between Biblical texts, 'incarnation' and 'Messiah'.
- Begin to understand how Christians put their beliefs about Jesus' Incarnation into practice in different ways in celebrating Christmas.
- Consider how far the idea that Jesus is the Messiah — a Saviour from God — is important in the world today and, if it is true, what difference it might make in people's lives.



Spanish

- Select the correct vocabulary to describe a person's hair and face.
- Read and translate a description of a portrait.
- Listen and select information from a short passages to give an appropriate response.
- Describe a portrait orally.
- Use a variety of language to describe both hair and facial features.
- Create a detailed written description of a portrait.



Music

Blues

- Understand the history of the Blues.
- Shining a light on Joan Armatrading.
- Play a chord.
- Understand and play the 12 bar blues.
- Play the blues scale.
- Improvise notes on the blues scale.



YEAR 5 - AUTUMN 2

HOW DO WE BEST SHARE OUR PLANET?

Science

Properties of materials

- Explore properties of materials
- Explore thermal conductors and thermal insulators
- Explore the hardness of materials
- Discover materials that are soluble in water
- Investigate the solubility of materials
- Explore how mixtures can be separated by filtering, sieving, evaporating or magnets



Computing

Vector Drawings

- Identify that drawing tools can be used to produce different outcomes. Discuss how vector drawings are different from paper based drawings.
- Create a vector drawing by combining shapes and use a range of skills to support our drawing.
- Use a range of tools effectively when creating my vector drawing.
- Recognise that vector drawings consist of layers of objects and put this into practise when creating my own.
- Learn the skill of 'grouping' to use when creating my vector drawings.
- Apply all our learnt skills to create a vector drawing to showcase to the rest of the class.



Sport

Netball

Refine passing and receiving. Develop defending and marking a player with the ball, participate in tactical play. Compete in a Level 1 tournament.

Gymnastics

Rolls, balances, vault and ropes



English

Texts

The Green Planet
A Home for Every Plant
I Ate Sunshine for Breakfast



Spellings

Soft c in statutory words
Spelling ei after c
word endings that sound like el
-cial and -tial endings
-cially and -tially word endings
review Year 3/4 word list
word ends able/ably and ible/ibly

Grammar & Writing

Non-chronological Reports

complex sentences which include a
relative clause, both with and without the relative
pronoun

Exclamatory sentences

Sentences with lists of three

Adverbials of place and number

Subordinating conjunctions, e.g.
whilst, until, despite

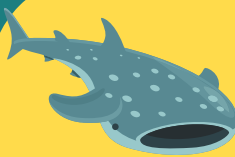
Commas to clarify meaning or avoid ambiguity

Formal and factual language

Proper nouns and appropriate pronouns

Geography

Oceans



- Explain the importance of our oceans.
- Locate and describe the significance of the Great Barrier Reef.
- Explain the impact humans have on coral reefs and oceans.
- Understand ways to keep our oceans healthy and begin planning a fieldwork enquiry.
- Collect data on the types of litter polluting a marine environment.
- Present, analyse and evaluate data collected.