Year: 5 **Term:** Autumn 2 **Topic:** Wonders beyond belief!

English

Writing

Genre: Poetry
Stimulus: The Malfeasance
Key learning:
- Adjectives
- Similes
- Onomatopoeia

Genre: Non-chronological report
Stimulus: Emperor Penguins
Key learning:
- Relative clause
- Expanded noun phrase
- Superlative
- Rhetorical question
- Modal verb and adjective
- Adverbials/ fronted adverbials
- Colons
- Subordinate conjunctions

Spellings

Words ending in:

-ance and –ancy

-ent and –ence

-able and –ible

-ably and –ibly

-able where the e from the root word remains

- adverbs of time

Y5/6 Common Exception Words

Reading

Class Novel: The Nowhere Emporium *by Ross MacKenzie*
Wider Curriculum text: Wonder *by R J Palacio*
Picture book: Armstrong (The Adventurous Journey of a Mouse to the Moon) *by Torben Kuhlmann*

Book Talk

- Explain and discuss understanding of texts read.
- Identify and discuss themes and conventions in and across a wide range of writing.
- Discuss and evaluate how authors use language, including figurative, considering the impact of the reader, using technical words, such as metaphor, simile, imagery, style and effect.
- Make comparisons within and across books.
- Distinguish between statements of fact and opinion.
-Participate in discussions about, building on their own and others' ideas and challenging views courteously.

VIPERS

Using relevant evidence and justifications:
- explore the meaning of words in context
- draw inferences about characters' feelings, thoughts and motives
- predict what might happen next
- summarise the main ideas from more than 1 paragraph
- identify how language, structure and presentation contribute to meaning
- retrieve, record and present information.

Key focuses

Fiction – Vocabulary and inference.
Non-fiction - Retrieval. Reading books that are structured in different ways / read for a range of purposes. Use contents page/index.

Maths

Fractions

Prior learning

Recognise and show families of common equivalent fractions.
Add and subtract fractions with the same denominator.

- Find fractions equivalent to a unit and non-unit fractions
- Recognise equivalent fractions
- Convert improper fractions to mixed numbers and vice versa
- Compare and 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 a 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

Science

PHYSICS

Earth and Space

Prior learning

Y1 *- Observe changes across the four seasons*
Observe and describe weather associated with the seasons and how day length varies
Working Scientifically *- Using straightforward scientific evidence to answer questions or to support their findings*

- What are the names of the planets in the solar system?
- How we know the Earth is a sphere?
- How long does it take for the Earth (and other planets) to orbit the sun once?
- What is the largest object that orbits the Earth?
- Why is there day and night on Earth?
- Does the moon change shape?

Key vocabulary:
orbit, axis, day, month, planet, solar system, year, gravity

Physical Education

Dance

Prior learning:

Freeze frames, different formations and performing as a group with a set starting position.

Theme: Bollywood

→ Perform routines to audiences

→ Perform in a variety of dance styles

→ Work collaboratively in groups

Netball

Prior learning:

Netball positions, basic shooting techniques, basic rules, marking and footwork, preliminary moves.

- Make choices about which pass to use and where to shoot from.
- Implement some tactics to get free.
- Move quickly around the court.

Religious Education

Disposition: Being Loyal and Steadfast

- ❖ **Charity work**
- → How can Christians show commitment to their faith?
- → What sort of friend are you? What are the boundaries of friendship? How can people show their commitment to others and God?
- → How do members of the Sikh faith show their commitment?

Disposition: Being Hopeful and Visionary

- ❖ **Advent and hope**
- ❖ **Hudaybiyya and peace**
- → What do I hope for?
- → What do Christians hope for the future? Where does their hope lie?

How do Muslims describe their ideal world? What do they do to help bring this about?

French

The Planets

- Name and recognise the planets in French on a solar system map.
- Spell at least 5 planets in French.
- Say an interesting fact about at least 4 of the planets.
- Explain the rules of adjectival agreement clearly in French and apply when using colours to describe objects.

Geography

My Region and the Western United States

Prior learning:

Geographical characteristics of the UK (countries and regions).
Topographical features.
How land use has changed over time.
The world represented on maps and in atlases.
Features of maps.
Countries and capital cities of Europe – focus on Italy.
Plate tectonics and volcanoes.

Key geographical enquiry question:
What are the similarities and differences between my region and the Western United States?

Our learning:

- Key features of the UK and our region.
- USA (regions, states, cities and landmarks)
- Mountains
- Biomes and climate zones
- Vegetation belts
- Volcanoes and earthquake zones
- Settlements in the Western US
- How do settlements in the Western US compare to settlements in my region?

Key concepts:
place, space, scale, cultural awareness, cultural diversity, physical processes,
Key vocabulary:
biome, climate, continent, country, earthquake, environment, global, hemisphere, human processes, mountains, physical processes, region, vegetation belt, volcano

Computing

Video production

- Explain what makes a video effective.
- Use a digital device to record video.
- Capture video using a range of techniques.
- Create a storyboard.
- Identify that video can be improved through reshooting and editing.
- Consider the impact of the choices made when making and sharing a video.

E-safety: Sites to cite
To write citations for the websites I use for research.

PSHE

Celebrating Differences

Prior learning:

- Describe different conflicts that might happen in family or friendship groups.
- Describe how words can be used in hurtful or kind ways when conflicts happen.

➞ Different cultures
➞ Racism
➞ Rumours and name-calling
➞ Types of bullying
➞ Does money matter?
➞ Celebrating differences across the world

D&T

Mechanisms – Cams

Prior learning:

- Experience of axles, axle holders and wheels that are fixed or free moving.
- Experience of cutting and joining techniques with a range of materials including card, plastic and wood.
- An understanding of how to strengthen and stiffen structures.

Designing

Generate innovative ideas by carrying out research using surveys, interviews, questionnaires and web-based resources.

- Develop a simple design specification to guide their thinking.
- Develop and communicate ideas through discussion, annotated drawings, exploded drawings and drawings from different views.

Making

- Produce detailed lists of tools, equipment and materials. Formulate step-by-step plans and, if appropriate, allocate tasks within a team.
- Select from and use a range of tools and equipment to make products that that are accurately assembled and well finished. Work within the constraints of time, resources and cost.

Evaluating

- Compare the final product to the original design specification.

Test products with the intended user, where safe and practical, and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose.

- Consider the views of others to improve their work.
- Investigate famous manufacturing and engineering companies relevant to the project.

Technical knowledge and understanding

- Understand that mechanical systems have an input, process and an output.
- Understand how cams can be used to produce different types of movement and change the direction of movement.
- Know and use technical vocabulary relevant to the project.