

Year 5 – Learning Overview Summer Term

Topic: What are we doing to our planet?



ENGLISH

To be clear about what standard of handwriting is appropriate for a particular task, e.g. quick notes or a final version

To plan their writing to identify the purpose, audience and specific grammatical features

To proofread to remove unnecessary repetition or irrelevant details

To proofread to avoid ambiguity

To consistently identify appropriate structure, organisation and layout devices for a range of texts

To describe settings and atmospheres to enhance mood and create pace

To effectively use a wide range of linking words/phrases between paragraphs to build cohesion

To accurately identify and use modal verbs

To use a wide range of persuasive writing techniques

To engage in a range of genres- both reading and writing

To participate in discussion about books that are read as a class and individually

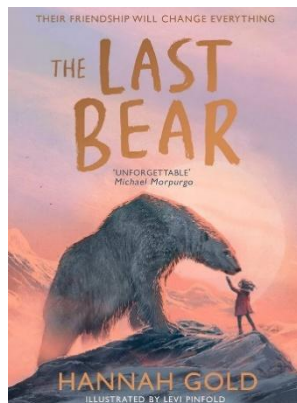
To summarise paragraphs and texts

To discuss vocabulary used by an author to create effect

To evaluate author's language and how it impacts the reader

To draw inferences from character's feelings, thoughts and motives

To make predictions based on stated and implied details



MATHS

Maths — No Problem!

English National Curriculum

Position and Movement:

Learn to name and plot point.

Describe translations

Describe reflection

Describe successive reflections

Measurement:

Convert centimetres and millimetres

Convert centimetres and metres

Convert kilometres and metres

Convert kilograms and grams

Convert litres and millilitres

Convert imperial and metric units of measurement

Solve word problems involving length, mass and volume

Solve word problems involving time

Read the temperature

Area and Perimeter:

Calculate the perimeter of rectangles and squares

Calculate the area of rectangles and squares

Calculate the perimeter of composite shapes

Calculate the area of composite shapes

Estimate area

Draw shapes to scale and estimate their areas

Volume:

Calculate volume of solids

Calculate volume of solids in cubic units

Find the volume of cuboids

Find the volume of liquids

Solve word problems involving volume

Word Problems:

Solve word problems involving multiplication and division

Solve word problems using the bar model

Solve multi-step word problems

SCIENCE

Biology:

Living Things and their Habitats:

Understand what plants need to grow strong and healthy both sexually and asexually.

Understand that plants are living things.

Understand the life cycle of mammals.

Know the 3 types of mammals.

Compare the life cycle of insects and amphibians.

Understand what metamorphosis is.

Understand the life cycle of birds and reptiles.

Recall key facts out the structure of an egg.

Know about the life and work of Jane Goodall and David Attenborough.

Understand the importance of documenting living things and highlighting their decline in the world.

Research and present the information of an animal's life cycle.



Animals, including Humans:

Identify the key features of a mammal's life cycle.

Explore the gestation periods of mammals.

Learn about foetal development.

Investigate the hand span of different aged children.

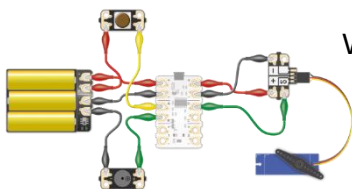
Learn about the changes experienced in puberty.

Describe the changes humans might experience during old age.

COMPUTING

Programming with Crumble

Control a simple circuit connected to a computer.



Write a program that includes count-controlled loops and conditions.

Design and create a program that controls a physical computing project.

We are 3D Designers

Develop familiarity with a simple CAD (computer aided design) tool.

GEOGRAPHY

Describe and understand the human impact on planet Earth.

Describe and understand the importance of bees to the world.

Describe and understand the importance of recycling and how it will help our world to survive.

Describe and understand key aspects of physical geography including climate zones, coastal erosion. and deforestation.

Explain what a biome is.



ART

Use a variety of sketching techniques to add interesting effects when sketching endangered animals.

Design and create a lino print inspired by activist artist Keith Haring.

Gain experience in overlaying colours.

Start to overlay prints with other media.



FOREIGN LANGUAGES

Out of this World

Understand words used on an ID card.

I can ask and answer questions about someone's identity. Name planets in French and use adjectives to describe them.

Read and understand simple information about planets.

Recall and use familiar vocabulary to understand simple information about planets.

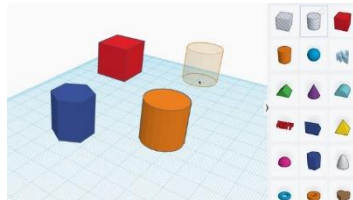
Create an imaginary planet and make a poster with information about it



At the Seaside

Understand the nouns for items I take to the beach. Recall some sentence starters and use them to talk about the seaside.

Develop spatial awareness by exploring and experimenting with a 3D virtual environment.



Create a 3D model for a given purpose.

Online Safety

Understand how to create a strong password and keep it safe.



Explain how apps or services may collect and share my private information

RELIGIOUS EDUCATION

Theology:

Define the fundamental concepts and beliefs which underpin Hinduism

Examine Hindu beliefs about God

Investigate the significance of Diwali to Hindu beliefs

Explain how Hindu beliefs shaped the life of Mohandas Gandhi

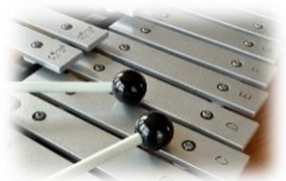
Design an artwork which encompasses the four Yogic paths of freedom



Understand and say persuasive sentences about visiting the seaside.
Create extended sentences about visiting the seaside.
Read and understand facts about the seaside.
Apply my language detective skills to learn another language

MUSIC

(Glockenspiels are Go!)



Introducing 'Chromatic Glockenspiels'.

Practicing & embedding good technique for playing the 'Glockenspiel'.

Using 'The Charanga' online Wider Opportunities Instrumental scheme (available to every pupil for use at home), learn to play the 'Glockenspiel' reading on-screen musical notation.

Revisit & extend previous learning on musical notation / rests using (Quavers, Crotchets, Minims, Semi-Breves).

Develop further an understanding of: Music Stave / Treble Clef / Simple Time Signatures (2/4, 3/4, 4/4) / Key signatures / Bar lines / Double Bar Lines / Repeat Signs.

Develop further an understanding of dynamic symbols: pp (pianissimo – very quiet) / p (piano - quiet) / mp (mezzo piano - moderately quiet) / mf (mezzo forte - moderately loud) / f (forte - loud) / ff (fortissimo – very loud) / crescendo (gradually getting louder) / diminuendo (gradually getting quieter).

Develop further writing pitched musical notation using musical manuscript paper, including (treble & bass clefs / time signatures) etc.

As a class, learn & understand how to read, practice & perform various songs / pieces of music of differing genres on the 'Glockenspiel' confidently to backing tracks

Incorporate songs and musical activities to the wider year 5 curriculum where possible.

Continue to build individual self-confidence and self-esteem through musical performance.

PSHE

Relationships:

Self-recognition and self-worth
Building self-esteem
Safer online communities
Rights and responsibilities online
Online gaming and gambling
Reducing screen time
Dangers of online grooming
SMART internet safety rules



Changing Me:

Self- and body image
Influence of online and media on
body image
Puberty for girls
Puberty for boys
Conception (including IVF)
Growing responsibility
Coping with change
Preparing for transition

PHYSICAL EDUCATION

To develop skills in batting and fielding
Hold the bat correctly and place the ball accurately
Return the ball accurately
To choose fielding techniques.
To run between the wickets efficiently in a
competitive game situation
Develop a technique for overarm throwing and
know when to use correct throwing techniques in
game situations
Learn batting control
Play in mini tournament and score, all in a sporting
manner

Sustain running at a continuous pace
Improve the technique for running at speed
To use correct technique to run at speed
To develop the ability to run for distance
To identify and apply techniques of relay running
Know the position to stand in when receiving a
baton and understand the principles of a relay race
To explore jumping techniques and footwork
patterns
Use correct techniques in competitive situations
and apply learnt skills efficiently