

Science: Studying Living Things

To know the life and work of Sir David Attenborough
To know about the life and work of Dame Jane Goodall
To learn about sexual reproduction
To describe the life cycles of a mammal, bird and reptile
To describe the life cycle of an insect and amphibian
To learn about asexual reproduction

Liturgical

Calendar:

Ordinary

Time

(Green

Cloths)

Year 5: Summer 2

Topic: Journeys Where does all our stuff come from? (7 weeks)

Computing: Mars Rover 2 (Kapow)

To understand how bit patterns represent images as pixels
To explain how the data for digital images can be compressed
To identify and explain the 'fetch, decode, execute' cycle
To create a safe online profile and tinker with 3D design software
To modify the design of a 3D object using CAD software

DT: Digital World (Kapow)

To carry out research to develop design criteria.
To write a program to monitor the ambient temperature including an alert.
To generate creative and unique micro:bit case, stand and/or housing ideas.
To learn about and practise 3D CAD skills.

Maths (WRM)

Properties of Shape:

Calculating lengths and angles in shapes.
Regular and irregular polygons.
Reasoning about 3-D shapes.

Position and Direction:

Position in the first quadrant.
Reflection
Reflection with coordinates.
Translation.

Translation with coordinates.

Converting Units:

Kilograms and kilometres.
Milligrams and millilitres.
Metric units.
Imperial units.
Converting units of time.
Timetables.

Volume:

What is volume?
Compare volume.
Estimate volume.
Estimate capacity.

Consolidation

Art: Design For a Purpose (Kapow)

A coat of arms, a brand name and an advert

To understand how visual language can be used to communicate personality and interests.

To work collaboratively to a specific design brief, learning that designers start with ideas and rough drawings before finalising their designs.

To work collaboratively to a specific design brief, presenting ideas and designs clearly in a visual format, reviewing and modifying them as they work.

To work in a team to design a product, learning how advertising, names, USPs (unique selling points) and packaging help to sell a product and to give it an identity.

To work in a team to create and 'sell' a product idea to a client.

RE: Other Faiths (The Way the Truth and the Life)

To know that the Church teaches about other faiths. Reflect on the teaching of the Church for us.
To understand what we believe about our Catholic Faith. Reflect on our beliefs.
To know some important Jewish beliefs. Think about their importance.
To know about some Jewish celebrations. Reflect on the meaning of them.
To know some of the beliefs we share with Jews and the differences between us. Reflect on their importance for us.
To know some significant Muslim beliefs. Think about their importance.
To understand some important practices of Muslims. Reflect on the importance of prayer.
To know some of the beliefs we share with Muslims and some of the differences between us. Think about what we can do together.

Music: Trumpets (Love Music Trust)

Learn to play an instrument and play in an ensemble.
Explore and develop their knowledge of musical concepts. (musical elements)
Learn how to improvise and compose.
Learn to appraise their own work and that of others.
Learn and develop a basic knowledge of their chosen instrument and that of others.
Produce a quality sound.
Develop their range and rhythmic ability on their instrument.
Develop their singing voices through singing varied songs/styles.
Use technology to aid their musical development (where available/applicable).
Learn to recognize different styles of music and their era.
Learn how to prepare for and participate in performances.
Learn how to make their own musical decisions either in class or at home.
Experienced professional level concert (Halle).

Geography: Where does all our stuff come from? (Rising Stars)

To understand that each type of fruit grows in particular climatic conditions and in a particular season, and that fruit may have to travel long distances to reach our fruit bowl
To understand that clothes can be produced fairly and sustainably, and to understand that unwanted clothing may be recycled and processed
To investigate locally made and grown products available in our area, and to investigate locally imported products available in our area
To understand the perspectives of a range of people on geographical issues, and to understand that what people buy affects the lives of others

RHSE (Ten Ten) Catholic Social Teaching

To know the principle of Catholic Social Teaching
To know that God formed them out of love, to know and share his love with others

Spanish (Language Angels)

¿ Que tiempo hace?

To use 'hace' in a sentence
To match English and Spanish words for the weather
To listen and interpret sentences about the weather
To read and translate sentences about the weather
To forecast the weather in Spanish

PE:

Sport: Young Olympians

To use correct technique to run at speed.
To develop the ability to run for distance.
To throw with accuracy and power.
To identify and apply techniques of relay running.
To explore different footwork patterns.
To understand which technique is most effective when jumping for distance.
Learn how to use skills to improve the distance of a pull throw.
To demonstrate good techniques in a competitive situation.

Beth Tweddle Gymnastics:

Experience general gymnastics activities.
Improve their general fitness.
Develop their ability to perform a gymnastics sequence.
Take part in a competition reward scheme.

Swimming

Perform safe self-rescue in different water based situations
Swim competently, confidently and proficiently over a distance of at least 25 metres
Use a range of strokes effectively, for example, front crawl, backstroke and breaststroke.
To perform a sequence of moves at each station within a circuit with increased accuracy.

Texts and Experiences:

Text: Cogheart - Peter Bunzel



Literacy

Writing

Descriptive retell based upon Cogheart (2 weeks):

Use commas to clarify or avoid ambiguity
In narratives, describing setting, character and atmosphere
Selecting the appropriate grammar and vocabulary, understanding how such choices change and enhance meaning

Explanation text based upon Cogheart (2 weeks):

Use brackets, dashes or commas to indicate parenthesis
Precising longer passages
Geography based non-chronological report (3 weeks):

Using further organisational devices to structure text and to guide the reader
Perform their own compositions using appropriate intonation, volume and movement so that meaning is clear
Use relative clauses beginning with who, which, where, when, whose, that or an omitted relative pronoun
Indicate degrees of possibility using adverbs or modal verbs

Punctuation and Grammar

Prefixes and suffixes and Year 5 grammar terminology revision

Whole Class Reading

One session per week based upon the class novel and three extract lessons using VIPERS (Vocabulary, Infer, Predict, Explain, Recall, Summarise) which cover the content domains for KS2 reading. Within all 4 of these lessons, time is given to modelling and practice of intonation, tone and volume.

Extract Lessons:

Spelling

Year 5 spelling revision