

## Science (Rising Stars): Earth and Space:

To describe Nicolaus Copernicus' ideas about planetary motion  
To describe the movement of the Earth in Space  
To describe the characteristics of the planets in our solar system  
To describe the Big Bang theory  
To learn about gravitational force  
To explore what causes the different phases of the Moon  
To know about comets, asteroids and meteors.

## Liturgical

### Calendar:

### Ordinary

### Time

(Green

Cloths)

# Year 5: Summer 1

## Topic: Ancient Egypt

## Computing: Mars Rover 1

### (Kapow)

To identify how and why data is collected from space  
To identify how messages can be sent using binary code  
And to read and calculate numbers using binary code  
To identify the computer architecture of the Mars Rovers  
To use simple operations to calculate bit patterns  
To represent binary as text

## Maths (WRM)

### Decimals:

Adding decimals within 1.  
Subtracting decimals within 1.  
Complements to 1.  
Adding decimals - crossing the whole.  
Adding decimals with the same number of decimal places.  
Subtracting decimals with the same number of decimal places.  
Adding decimals with a different number of decimal places.  
Subtracting decimals with a different number of decimal places.  
Adding and subtracting wholes and decimals.  
Decimal sequences.  
Multiplying decimals by 10, 100 and 1,000.  
Dividing decimals by 10, 100 and 1,000.

### Properties of Shape:

Measuring angles in degrees.  
Measuring with a protractor (1).  
Measuring with a protractor (2).  
Drawing lines and angles accurately.  
Calculating angles on a straight line.  
Calculating angles around a point.

## RE: Life in the Risen Jesus (The Way the Truth and the Life)

To know that Jesus is risen from the dead. Reflect on what the Resurrection of Jesus means for us.  
To understand the meaning of the Resurrection. Reflect on the importance of Resurrection for us.  
To know that the Spirit of Jesus works in many ways. Reflect on the Spirit at work in the Church.  
To know that Jesus is present among us in different ways. Reflect on how we can be present with Jesus.  
To know that there are different ways of praying. Explore different ways of praying.  
Understand how Jesus teaches us to pray. Reflect on the importance of prayer for us.

## Texts and Experiences:



Text: The Secrets of The Sun King - Emma Carroll

## PE:

### Sport: Swimming

To perform safe self-rescue in different water based situations  
To swim competently, confidently and proficiently over a distance of **at least** 25 metres  
To use a range of strokes effectively, for example, front crawl, backstroke and breaststroke.

### 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.

### Fitness: Step to the beat!

To understand the importance of a warm-up.  
To develop co-ordination and balance.  
To develop co-ordination, balance and timing.  
To improve general fitness levels.  
To understand the benefits of improving muscle tone in the abdominals and legs.  
To learn new strength-based moves.  
To develop understanding of the value of this type of exercise.  
To construct own moves from knowledge gained in the previous lessons.  
To perform a sequence of steps in time with the music.  
To understand the benefits of improving muscle tone and aerobic fitness (strength and stamina)

## 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.

## RHSE (Ten Ten)

### The Trinity

To know that God the Father, God the Son and God the Holy Spirit make up the three persons of the Trinity  
To know that the Holy Spirit works through us to bring God's love and goodness to others

## History: Ancient Egypt

To know when and where the Ancient Egyptians lived  
To use evidence to reach conclusions about Ancient Egyptian life.  
To be able to reach conclusions about the Ancient Egyptian people through studying the pyramids.  
Enquiry: What were the Ancient Egyptian beliefs about creation and the afterlife?

## Art: Design for a Purpose (Kapow)

To understand how visual language can be used to communicate personality and interests  
To work collaboratively to a specific design brief (room design)  
To work collaboratively to a specific design brief (room design lesson2)  
To design a product which is appealing and purposeful  
To present a product pitch

## DT: Digital World (Kapow)

To carry out research to develop design criteria.  
Programming an animal monitor  
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.

## Literacy

### Writing

Diary narrative based on The Secrets of the Sun King (2 weeks):  
Use commas to clarify meaning or avoid ambiguity  
Perform their own compositions using appropriate intonation, volume and movement so that meaning is clear  
Use devices to build cohesion within and across paragraphs  
Retell narrative based on The Secrets of The Sun King (2 weeks):  
Use commas to clarify meaning or avoid ambiguity  
In narratives, describe settings and characters using dialogue to advance the action  
Selecting the appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning  
Non-chronological report based upon the Egyptians (2 weeks):  
Use relative clauses beginning with who, which, where, when, whose, that or an omitted relative pronoun  
Using further organisational and presentational devices to structure text and to guide the reader.

### Punctuation and Grammar:

using commas to clarify meaning or avoid ambiguity in writing, develop understanding of cohesion within a paragraph and across a paragraph

### 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:

words that are homophones or near homophones; challenge words; hyphens can be used to join a prefix to a root word; challenge words