# Riverview CofE Primary and Nursery School
# Curriculum Overview
# Opal Class - Year 5

| English – reading | English – writing | English – grammar | Mathematics | Mathematics | Mathematics |
|---|---|---|---|---|---|
| • Support predictions and inferences with evidence<br>• Summarising key points from texts<br>• Discuss use of language, including figurative<br>• Identify how language, structure and presentation contribute to meaning<br>• Read a broad range of genres<br>• Recommend books to others<br>• Make comparisons within and across books<br>• Explain and discuss understanding of what they have read<br>• Distinguish between fact and opinion | • Use further prefixes and suffixes<br>• Spell some words with silent letters<br>• Distinguish between homophones<br>• Use knowledge of etymology and morphology<br>• Use dictionaries and a thesaurus<br>• Write legibly and fluently<br>• Plan their writing by identifying the audience and purpose and drawing on reading and research.<br>• Draft and write by: selecting appropriate grammar and vocabulary; describing settings, character and atmosphere and integrate dialogue; using a range of cohesive and presentational devices<br>• Evaluate and edit by: assessing effectiveness, proposing changes, ensuring correct and consistent tense, ensuring correct subject and verb agreement, proofread for spelling and punctuation errors and perform their own compositions | • Recognising vocabulary and structures that are appropriate<br>• Using passive verbs<br>• Using expanded noun phrases<br>• Using modal verbs or adverbs<br>• Using relative clauses<br>• Use devices to build cohesion within a paragraph – pronouns, conjunctions<br>• Using commas to clarify meaning or avoid ambiguity<br>• Using hyphens to join prefixes to root words<br>• Parenthesis (brackets, dashes or commas)<br>• Using semi-colons, colons or dashes<br>• Using colons to introduce a list<br> | **Number - place value**<br>- Numbers to one million<br>- Compare and order any number up to one million<br>- Round numbers up to one million<br>- Negative numbers<br>**Number – calculation**<br>- Addition and subtraction<br>- Short and long multiplication<br>- Short and long division<br>- Common factors and multiples<br>- Prime, square and cube numbers<br>- Problem solving<br>**Number – fractions, decimals and percentages**<br>- tenths and hundredths<br>- mixed numbers and improper fractions<br>- Simplify fractions | - Compare and order fractions<br>- Add and subtract fractions<br>Multiply fractions by whole numbers<br>- Find fractions of an amount and the whole<br>- Multiply and divide decimals by 10, 100 and 1000<br>- Multiply and divide decimals by integers<br>- Decimals as fractions<br>- Fractions to decimals<br>- Fractions to percentages<br>- Equivalent FDP<br>- Order FDP<br>Round decimals<br>- Understand percentages<br>- Missing values<br>- Solving equations and finding pairs of values<br>**Statistics**<br>- read and interpret tables, including timetables<br>- Line graphs<br> | **Measurement – converting units**<br>- Calculating and converting with metric measures<br>- Imperial measures<br>- money problems<br>- Convert units of time<br>**Measurement – perimeter, area and volume**<br>- Area and perimeter of rectangles and squares<br>- Estimate volumes<br>**Geometry – position and direction**<br>- The first quadrant<br>- Translations and Reflections<br>**Geometry – properties of shape**<br>- Regular/irregular polygons<br>- - Calculating angles<br>- Types of angles – acute, right angle, obtuse, reflex, whole turn, straight line<br>- 3D shapes |

## PSHE

Health and wellbeing:
- Healthy lifestyles
- Drugs, alcohol and tobacco
- Mental health
- Ourselves, growing and changing
- Keeping safe

Relationships:
- Families and close positive relationships
- Friendships
- Managing hurtful behaviour and bullying
- Safe relationships

Living in the wider world:
- Shared responsibility
- Economic wellbeing: Money

## Geography

- Use maps, atlases, globes and digital/computer mapping (Google Earth) to locate countries and describe features studied.
- **Locate the main countries in Europe and North America.** Locate and name principal cities.
- Locate the main countries in Africa, Asia and Australasia/Oceania. Identify their main environmental regions, physical and human characteristics and major cities.
- Compare a region in UK with a region in N.**America** with significant differences and similarities.
- Fairtrade
- use 4 or 6 figure grid references with teaching of latitude and longitude in depth.

## Art, Design & Technology

- Create sketchbooks to record their observations and use them to review and revisit ideas.
- Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay].
- Know about great artists, architects and designers in history.

- Textiles
- Mechanical systems
- Computing

## Science

- Describe the changes as humans develop to old age.
- Describe the life process of reproduction in some plants and animals.
- Compare and group together everyday materials based on their properties
- Know that some materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution.
- Use knowledge of solids, liquids, and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.
- Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.
- Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.
- Describe the movement of the Moon relative to the Earth, including day and night.

## Music

- Sings songs with increasing control of breathing, posture and sound projection.
- Identify melodic phrases and play / sing them by ear.
- Comment on how sounds are used to create different moods.
- Identify different starting points for composing music.
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## Computing

- Computers and networks
- Multimedia
- Programming/coding
- Handiling data
- Online safety
- Managing online information
- Privacy and security
- Copyright and ownership
- Online relationships
- Online reputation
- Self-image and identity

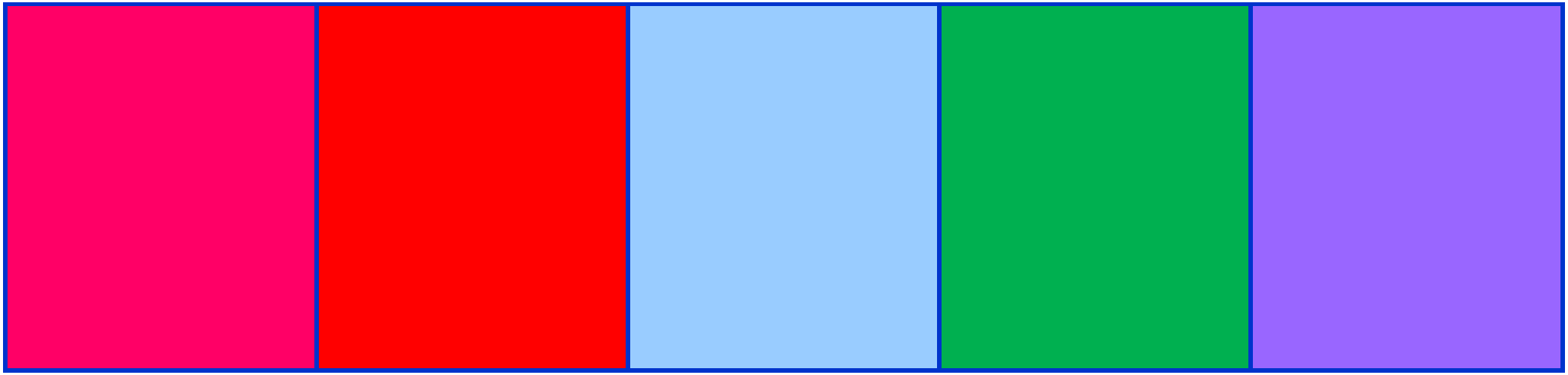
## Religious Education

- How did Jesus' teaching challenge people?
- What helps Hindus to worship?
- Why is light an important sign at Christmas?
- How can churches help us understand Christian belief?
- What is creed?
- How do we know what happened at Easter?
- What can we learn about the Christian faith from the Chronicles of Narnia?
- How do the beliefs of Christians influence their actions?

## Physical Education

- Games x3
- Outdoor adventures
- Gymnastics – movement
- Dance
- Gymnastics – balance
- Dance / swimming
- Games – striking and fielding
- Fitness
- Athletics
- Games – invasion

## History

- the achievements of the earliest civilizations – an overview of where and when the first civilizations appeared and a depth study of one of Ancient Egypt;
- Ancient Greece – a study of Greek life and achievements and their influence on the western world;
- Chronological understanding
- Knowledge and understanding of past events, people and changes in the past
- Historical interpretation
- Historical enquiry
- Organisation and communication

## Modern Languages