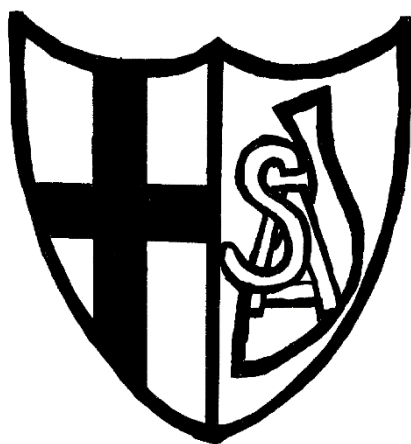


ST ALBERT THE GREAT CATHOLIC PRIMARY SCHOOL



YEAR 5

CURRICULUM NEWSLETTER

2023-2024

TEACHER: Mr McIlroy

TEACHING ASSISTANTS: Mrs Nolan, Mrs Bastryk, Mrs Smith & Miss A Beardsworth.



English—Reading

We will have a class novel every term that we will read regularly throughout the week. Our guided reading lessons will consist of focusing on one piece of text each week. The children will spend the first lesson analysing the vocabulary and then spend the rest of the week answering comprehension based questions on the text.

We will be following the VIPERS styles.



English—Writing

We are using the Herts for Learning Planning. The package allows for key learning to be reactivated through repetition and progression into the year 5 curriculum. Talk for Writing concepts, developed by Pie Corbett, will also be embedded across the English curriculum

Text types we will be covering this year:

- Traditional Tales - Legends (fiction)
- Recount (non-fiction)
- Explanation (non-fiction)
- Suspense & Mystery (fiction)
- Persuasion (non-fiction)
- Instructions (non-fiction)
- Report (non-fiction)
- Discussion (non-fiction)
- Fictional literary heritage (fiction)
- Poetry (fiction & non-fiction)

Grammar for Year 5

- Use of apostrophes.
- Use inverted commas and other speech punctuation to indicate direct speech.
- Use commas.
- Add phrases to make sentences more precise and detailed.
- Use range of sentence openers.
- Use pronouns to avoid repetition.
- Indicate degrees of possibility using adverbs.
- Use of parenthesis appropriately.
- Link clauses in sentences using a range of subordinating and coordinating conjunctions.
- Use relative clauses beginning with who, which and that to add detail and description.
- Use verb phrases to create subtle differences.
- Consistent use of paragraphs.
- Use fronted adverbials with commas to vary sentence structure.

Maths

Number - number and place value

- Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
- Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0
- Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000
- Solve number problems and practical problems that involve all of the above
- Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals

Number - addition and subtraction

- Add and subtract whole numbers with more than 4 digits, including
- Using formal written methods (columnar addition and subtraction)
- Add and subtract numbers mentally with increasingly large numbers
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Number - multiplication and division

- Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers
- Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
- Establish whether a number up to 100 is prime and recall prime numbers up to 19
- Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- Multiply and divide numbers mentally, drawing upon known facts
- Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000
- Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
- Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes

Number - fractions (including decimals and percentages)

- Compare and order fractions whose denominators are all multiples of the same number
- Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
- Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{1}{2} + \frac{1}{2} = 1$]
- Add and subtract fractions with the same denominator, and denominators that are multiples of the same number
- Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
- Read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$]
- Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place
- Read, write, order and compare numbers with up to 3 decimal places
- Solve problems involving number up to 3 decimal places
- Recognise the per cent symbol (%), and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction

Measurement

- Convert between different units of metric measure [for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre]
- Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints
- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- Calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm^2) and square metres (m^2), and estimate the area of irregular shapes
- Estimate volume [for example, using 1 cm^3 blocks to build cuboids (including cubes)] and capacity [for example, using water]
- Solve problems involving converting between units of time
- Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling

Geometry - properties of shapes

- Identify 3-D shapes, including cubes and other cuboids, from 2-D representations
- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles, draw given angles, and measure them in degrees ($^{\circ}$)
- Identify: Angles at a point and 1 whole turn (total 360°), angles at a point on a straight line and half a turn (total 180°) and other multiples of 90°
- Use the properties of rectangles to deduce related facts and find missing lengths and angles
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles
- **Statistics**
- Solve comparison, sum and difference problems using information presented in a line graph
- Complete, read and interpret information in tables, including timetables

Other curriculum areas

Science

In our Science teaching we aim to stimulate and excite our pupil's curiosity about the world around them.

Lessons will include pupils independently setting up practical experiments, with consideration given to fair testing, writing up reports on the experiments and using Chrome books for graphs and tables.

They will be expected to research some aspects of the work.

The lessons will be backed up with written work and diagrams.

- The topics covered will include:
- Earth and space
- Living things and their habitats
- Animals including humans
- Properties and changes of materials
- Forces

R.E.

We will be following the Catholic 'Come and See' scheme. This is divided into 3 topics each term, with the common theme running throughout the school. These topics are as follows:

Autumn term: Family, Belonging and Loving.

Spring Term: Local Church, Eucharist and Lent/Easter.

Summer Term: Pentecost, Reconciliation and Universal Church.

As well as half hourly lessons of based on Caritas scheme fortnightly.

P.E.

Year 5 will be going swimming every Friday this year. Children will be required to come into school wearing St Alberts PE kit and have their swimming kit in a backpack/carrier bag. Please note that your child must wear a swimming cap. Our other PE slot will also be on Friday afternoon so the children will get dressed back into their PE kit after swimming and stay in it for the rest of the day. Therefore normal school uniform is not required at any point on Friday's this year.

History

Year 5 will enjoy learning a new history topic each term this year.

Autumn—How did a pile of dragon bones help to solve an Ancient Chinese mystery?

Spring—Why did Britain once rule the largest empire the world has ever seen?

Summer—What did King George VI mean when he said, 'The history of York is the history of England'?

Geography

Year 5 will enjoy learning a new geography topic each term this year.

Autumn—How is climate change affecting the world?

Spring—Why is fair trade fair?

Summer—Who are Britain's National Parks for?



Weekly

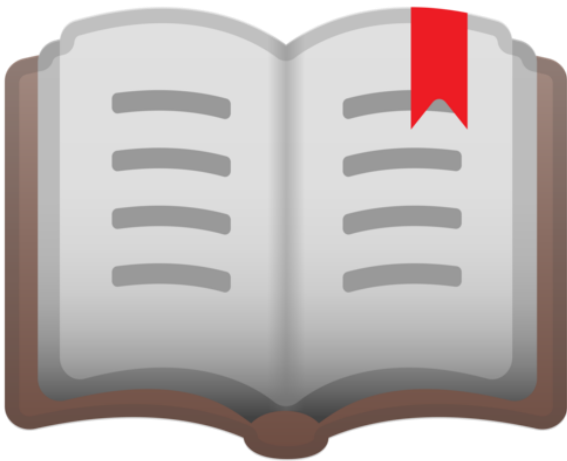
- English, Maths & Spellings

Monthly

- RE

Termly

- Science, History & Geography



20 mins every
day of high
quality reading
please!