Cayton School

Learn from yesterday, seek today and aim for tomorrow

Year 5 National Curriculum Coverage

English

Reading

Apply knowledge of morphology and etymology
Read and discuss a broad range of genres and texts
Identify and discuss themes
Make recommendations to others
Learn poetry by heart
Draw inference and make predictions
Discuss authors use of language
Retrieve and present information from non-fiction texts
Formal presentations and debates

Writing

Secure spelling including homophones, prefixes, silent letters
Use a thesaurus
Legible, fluent handwriting
Plan writing to suit audience and purpose
Develop character, setting and atmosphere in narrative
Use organisational and presentational features
Use consistent appropriate tense
Proof reading
Perform own compositions

Grammar

Use expanded noun phrases
Use modal and passive verbs
Use relative clauses
Use commas for clauses
Use brackets, dashes and commas for parenthesis
Give well structured explanations
Command of standard English
Consider and evaluate different view points
Use appropriate register

Maths

Number / Calculation

Secure place value to 1 million
Use negative whole numbers in context
Use Roman numerals to 1000 (M)
Use standard written methods for all 4 operations
Confidently add and subtract mentally
Use vocabulary of prime, factor and multiple
Multiply and divide by powers of 10
Use square and cubed numbers

Geometry and Measures

Convert between different units
Calculate perimeter of composite shapes and area of rectangles
Estimate volume and capacity
Identify 3D shapes
Measure and identify angles
Understand regular polygons
Reflect and translate shapes

Fractions and Decimals

Compare and order fractions
Add and subtract fractions with common denominators with mixed numbers
Multiply fractions by units
Write decimals as fractions
Order and round decimal numbers
Link percentages to fractions and decimals

Data

Interpret tables and line graphs
Solve questions about line graphs

Science

Biology

Life cycles of plants and animals including mammals, insects birds and amphibians
Describe changes as humans develop and mature

Chemistry

Classify materials according to a variety of properties
Understand mixtures and solutions
Know about reversible changes; identify irreversible

Physics

Understand location and interaction of sun, earth and moon
Introduce gravity, resistance and mechanical forces

Modern Languages

Listen and engage
Engage in conversations, expressing opinions
Speak in simple language and be understood
Develop appropriate pronunciation
Present ideas and information orally
Show understanding in simple reading
Adapt known language to create new ideas
Describe people, places and things
Understand basic grammar e.g. gender

Physical Education

Use running, jumping, catching and throwing in isolation and in combination
Play competitive games, modified as appropriate
Develop flexibility and control in gym, dance and athletics
Compare performances to achieve personal bests
Swimming

Religious Education

Why do people love their sacred places
What makes Jesus an inspiration to some people

Art and Design

Use sketch books to collect, record and evaluate ideas
Improve mastery of techniques such as drawing, painting and sculpture with varied materials
Learn about great artists, architects and designers

Design and Technology

Use research and criteria to develop products which are fit for purpose and aimed at specific groups
Use annotated sketches , cross section diagrams and computer aided design
Analyse and evaluate existing products and improve own work
Use mechanical and electrical systems in own products, including programming
Understand seasonality; prepare and cook mainly savoury dishes

Music

Further develop sense of pulse, rhythm, pitch, mood and structure through a vocal aural approach
Use voice and instruments with increasing accuracy, control and expression
Improvise and compose music
Listen with attention to detail
Appreciate a wide range of live and recorded music
Begin to develop an understanding of history.

Geography

Name and locate counties, cities, regions and features of the UK
Understand latitude, longitude, Equator, hemispheres, tropics, polar circles and time zones
Use 4 and 6 figure grid references on OS maps
Understand land use, economic activity and distribution of resources

Computing

Design and write programs to solve problems
Use sequences, repetition, inputs, variables and outputs in programs
Detect and correct errors in programs
Understand uses of networks for collaboration and communication
Be discerning in evaluating digital content

History

Ancient Greece – a study of Greek life and achievements and their influence on the western world
Britain's settlement by Anglo Saxons and Scots