

Curriculum Overview for Year 5

Mathematics

Number/Calculation

- ☑ Secure place value to 1,000,000
- ☑ Use negative whole numbers in context
- ☑ Use Roman numerals to 1000 (M)
- ☑ Use standard written methods for all four operations
- ☑ Confidently add & subtract mentally
- ☑ Use vocabulary of prime, factor & multiple
- ☑ Multiply & divide by powers of ten
- ☑ Use square and cube numbers

Data

- ☑ Interpret tables & line graphs
- ☑ Solve questions about line graphs

Geometry & Measures

- ☑ Convert between different units

Geometry & Measures (cont.)

- ☑ Calculate perimeter of composite shapes & area of rectangles
- ☑ Estimate volume & capacity
- ☑ Identify 3-d shapes
- ☑ Measure & identify angles
- ☑ Understand regular polygons
- ☑ Reflect & translate shapes

Fractions & decimals

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

English

Reading

- ☑ Apply knowledge of morphology & etymology when reading new words
- ☑ Read & discuss a broad range of genres & texts
- ☑ Identify & discuss themes
- ☑ Make recommendations to others
- ☑ Draw inference & make predictions
- ☑ Discuss authors' use of language
- ☑ Retrieve & present information from non-fiction texts.
- ☑ Formal presentations & debates

Speaking & Listening

- ☑ Give well-structured explanations
- ☑ Command of Standard English
- ☑ Consider & evaluate different viewpoints
- ☑ Use appropriate register

Writing

- ☑ Secure spelling, inc. homophones, prefixes, silent letters, etc.
 - ☑ Use a thesaurus
 - ☑ Legible, fluent handwriting
 - ☑ Plan writing to suit audience & purpose
 - ☑ Develop character, setting and atmosphere in narrative
 - ☑ Use organisational & presentational features
 - ☑ Use consistent appropriate tense
 - ☑ Proof-reading
 - ☑ Perform own compositions
- ### Grammar
- ☑ Use expanded noun phrases
 - ☑ Use modal & passive verbs
 - ☑ Use relative clauses
 - ☑ Use commas for clauses
 - ☑ Use brackets, dashes & commas for parenthesis

Science

Biology

- ☑ Life cycles of plants & animals (inc. mammal, insect, bird, amphibian)
- ☑ Describe changes as humans develop & mature

Chemistry

- ☑ Classify materials according to a variety of properties
- ☑ Understand mixtures & solutions

Chemistry (cont.)

- ☑ Know about reversible changes; identify irreversible

Physics

- ☑ Earth and Space
- ☑ Simple forces, including magnetism

Computing (UKS2)

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

Geography (UKS2)

- ☑ Name & locate counties, cities, regions & features of the UK
- ☑ Understand latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones
- ☑ Study a region of Europe, and of the Americas
- ☑ Understand land use
- ☑ Use 4-figure grid references on OS maps
- ☑ Use fieldwork to record & explain areas

History

British History (taught chronologically)

- ☑ Manchester during the Industrial Revolution
- ☑ The Victorians and Queen Victoria

Broader History Study

- ☑ Ancient Greece, i.e.
- A study of Greek life and achievements and their influence on the western world

Religious Education

Learning Challenges

- ☑ How did it all start?
- ☑ What can we learn from religious texts?
- ☑ What are the 5 Pillars of Islam?
- ☑ Am I always right?
- ☑ How do different religions celebrate births, marriages and deaths?

SMSC and PSHE

- ☑ New beginnings
- ☑ Feelings and emotions
- ☑ Healthy choices
- ☑ Global awareness
- ☑ Relationships
- ☑ Just like us/ Good to be me

Modern Languages (UKS2)

- ☑ Listen & engage
- ☑ Engage in conversations, expressing opinions
- ☑ Speak in simple language & be understood
- ☑ Develop appropriate pronunciation
- ☑ Present ideas & information orally
- ☑ Describe people, places & things
- ☑ Understand relevant and basic grammar, e.g. gender

Art & Design (UKS2)

- ☑ Use sketchbooks to collect, record, review, revisit & evaluate ideas
- ☑ Improve mastery of techniques such as drawing, painting and sculpture with varied materials- Ancient Greek pottery; printing linked to Morris and Queen Victoria
- ☑ Learn about great artists, architects & designers: William Morris, Monet and Klee

Design & Technology (UKS2)

- ☑ Use research & criteria to develop products which are fit for purpose and aimed at specific groups
- ☑ Use annotated sketches, cross-section diagrams & computer-aided design
- ☑ Analyse & evaluate existing products and improve own work
- ☑ Use mechanical & electrical systems in own products, including programming
- ☑ Cook savoury dishes for a healthy & varied diet

Music (UKS2)

- ☑ Perform with control & expression solo & in ensembles
- ☑ Improvise & compose using dimensions of music
- ☑ Listen to detail and recall aurally
- ☑ Use & understand basics of staff notation
- ☑ Develop an understanding of the history of music, including great musicians & composers

Physical Education (UKS2)

- ☑ Use running, jumping, catching and throwing in isolation and in combination
- ☑ Play competitive games, applying basic principles
- ☑ Develop flexibility & control in gym, dance & athletics
- ☑ Compare performances to achieve personal bests