

Curriculum Overview for Year 5

Autumn

- Exploring a range of texts
- See Spelling Bank
- Grammar
- Punctuation
- Reading – decoding and comprehension
- Handwriting
- Speaking and Listening

English

Spring

- The Boy in the Striped Pyjamas
- See Spelling Bank
- Grammar
- Punctuation
- Reading – decoding and comprehension
- Handwriting
- Speaking and Listening

Summer

- The Tin Forest
- Tom's Midnight Garden
- See Spelling Bank
- Grammar
- Punctuation
- Reading – decoding and comprehension
- Handwriting
- Speaking and Listening

Autumn

- To gather and use information from first hand evaluation and research to suggest solutions to everyday problems
- Evaluate their own work and the work of others
- Devise and use clear designs and plans

Art & Design Technology

Spring

- Respond to identified needs with informed designs and products
- Suggest solutions to problems

Summer

- Respond to identified needs with informed designs and products
- Suggest solutions to problems

Computing

Autumn

- Design, write and debug programs.
- Solve problems by decomposing them into smaller parts
- Use sequence, selection and repetition in programs
- Use logical reasoning to explain how algorithms work

Spring

- Detect errors in algorithms and programs
- Select and use a variety of software on a range of digital devices

Summer

- Understand computer networks e.g internet
- Use technology safely and responsibly

Autumn

- Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit.
- Add and subtract whole numbers with more than 4 digits including using formal written methods.
- Multiply and divide whole numbers and those involving decimals by 10, 100, 1000
- Draw given angles and measure them in degrees.
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.
- Problem solving (weekly)

Mathematics

Spring

- Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
- Solve addition and subtraction multi step problems in contexts, deciding which operation and method to use and why
- Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles
- Problem Solving (weekly)

Summer

- Estimate volume and capacity. Convert between different units of metric measure
- Solve problems involving addition, subtraction, multiplication and division and a combination of these.
- Solve problems involving multiplication and division including using their knowledge of factors, multiples, squares and cubes. Solve problems involving numbers up to three decimal places.
- Compare and order fractions whose denominators are all multiples of the same number.
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.
- Problem Solving (weekly)

PE

Autumn

- Hockey
- Dance

Spring

- Invasion games
- Gymnastics

Summer

- Athletics
- Cricket

RE

Autumn

- What do Muslims believe about a good life?
- Christmas

Spring

- Why are some places or journeys special?
- Easter

Summer

- What matters the most?

Geography

Autumn

- Collect and record evidence to answer geographical questions
- Use geographical vocabulary to describe their surroundings
- Make plans and maps at a variety of scales
- Interpret globes and maps

Spring

- Identify geographical patterns and explain them
- Use appropriate techniques to

History

Autumn

- Find out about the past from a range of sources
- Describe and identify reasons for and results of historical events
- Place people events and changes on a timeline

Spring

- Find out about aspects of the past from a range of sources
- Select and record information relevant to a historical topic
- Communicate historical information in a variety of ways

Summer

- Find out about aspects of the past from a range of sources
- Select and record information relevant to a historical topic
- Communicate historical information in a variety of ways

Science

Autumn

- Earth and space
- Planets and the solar system
- Size and distance of planets/ sun and moon
- Movement of earth relative to the sun and moon
- Rotation
- Other planets and their moons
- Forces – push/pulls/magnetism
- Gravity
- Friction - water resistance
- Using levers, pulleys and gears

Science

Summer

- Animals including humans
- Changes in human development and their growth stages
- Gestation period of different animals compared to humans
- Living things and their habitats
- Different types of living things
- Plants and their life cycle and processes of reproduction
- Life cycles of different living things
- Comparing plants in different habitats
- Comparing animals in different habitats

Science

Spring

- Materials
- Solids, liquids and gas
- Filtering and sieving
- Dissolving and solubility
- Evaporation
- Reversible and irreversible changes
- Research into how chemists create new materials
- Conductors and insulators
- Grouping materials

Visits and visitors

Autumn

- DEWA Roman Experience

Spring

- Drugs awareness visitor

Summer

- Fairburn Ings

