

English

Autumn

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

English

Spring

- The Iron Man
- See Spelling Bank
- Grammar
- Punctuation
- Reading – decoding and comprehension
- Handwriting
- Speaking and Listening

English

Summer

- Street Child
- Leon and the Place Between
- See Spelling Bank
- Grammar
- Punctuation
- Reading – decoding and comprehension
- Handwriting
- Speaking and Listening

Art & Design Technology

Autumn

- Make useable plans
- Design and make products to meet specific needs
- Use simple tools and equipment

Spring

- Implement improvements to designs and products
- Suggest improvements to products in everyday use

Summer

- Choose materials and techniques appropriate to task
- Explain their own work

Computing

Autumn

- Design, write and debug programs
- Use sequence, selection and repetition in programs including input and output variables
- Explain how algorithms work and detect and correct errors

Spring

- Design, write and debug programs including Controlling or simulating physical systems
- Detect and correct errors in programs

Summer

- Understand computer networks
- Use technology safely

Mathematics

Autumn

- Counting in steps of 6, 7, 9, 25 and 1000, rounding to the nearest 10, 100 and 1000
- Addition and Subtraction of 4 digit numbers using mental and formal written methods where appropriate
- Recall multiplication and division facts for multiplication tables up to 12 x 12
- Multiply two-digit and three-digit numbers by a one-digit number using formal written layout, factor pairs and commutativity
- Fractions – count up and down in tenths and hundredths
- Comparing and sorting geometric shapes

Mathematics

Spring

- Estimate, compare and calculate different measures, including money in pounds and pence
- Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition where appropriate.
- Multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- Recognise and show, using diagrams, families of common equivalent fractions
- Plot specified points and draw sides to complete a given polygon.
- Problem Solving(weekly)

Mathematics

Summer

- Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
- Solve simple measure and money problems involving fractions and decimals to two decimal places.
- Compare and classify geometric shapes including quadrilaterals and triangles, based on their properties and sizes
- Problem Solving (weekly)

PE

Autumn

- Swimming
- Bench ball
- Dance

Spring

- Swimming
- Gymnastics
- Orienteering

Summer

- Swimming
- Cricket
- Volleyball

RE

Autumn

- How do festivals use light as a symbol?

Spring

- What faiths make up our community?

Summer

- Who can inspire us?

Geography

Autumn

- Use geographical terms
- Use maps at a variety of scales to locate position
- Use secondary sources to find information
- Express views on the features of an environment

Spring

- Ask and answer questions about geographical features
- Express views on the way an environment is being harmed or improved

Summer

- Make maps and plans of familiar locations

Science

Autumn

- Sound and how it travels
- How the ear works
- Vibrations, volume and pitch
- Distance and sound
- Living things and their habitats
- Grouping living things
- Habitats and the local environment
- Seed formation and a plant life cycle

Science

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Science

Spring

- Animals including humans
- Skeletons and organs
- Digestive system
- Teeth, their functions and oral health
- Animals and their teeth and diet
- Food chains
- States of matter
- Understanding solids, liquids and gas and their Structure
- Changing states and the water cycle

History

Autumn

- Give reasons for events and changes
- Gather information from simple sources
- Know similarities and differences between past societies

Spring

- Know about the lives of people in the past

Summer

- Answer simple questions about the past and about changes

History

Autumn

- Give reasons for events and changes
- Gather information from simple sources
- Know similarities and differences between past societies

Spring

- Know about the lives of people in the past

Summer

- Answer simple questions about the past and about changes

Science

Summer

- Electricity and its uses
- Dangers of electricity
- Creating circuits and knowing the parts
- Investigating different circuits
- Insulators and conductors and the different materials
- Creating a lamp with its own switch

Science

Summer

- Electricity and its uses
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Visits and visitors

Autumn

- Magma

Spring

- Chester Zoo



Curriculum Overview for Year 4