

## Year 4 Spring curriculum overview

Respect ~ Reflect ~ Achieve ~Grow

# Caterham

## **English**

## Reading

Key Texts: White Dolphin, Iron Man, Beowulf Vocabulary, retrieval, inference, effect, prediction and summary

Writing Linked with Science

Genre

Non-fiction: explanation

Fiction: environmental story, narrative poetry
The writing process following TfW (cold write,

planning, imitation, innovation - including a shared write

and independent application)

**Writing tools:** Planning a full story focussing on buildup, resolution and conclusion; dialogue to progress action (correctly punctuated); stage directions

**Grammar & Punctuation**: Precise vocabulary and use of a range of cohesive devices, including fronted adverbials (inc comma), prepositions and synonyms. Use of a variety of sentence types: simple, compound and complex; apostrophes to mark plural possession

**Spelling:** Year 3 & 4 list. Spelling rules: ch for 'sh'; gue and que; sc for 's'; ei, eigh and ey; apostrophes for possession (inc plurals) and omission; homophones and near homophones.

#### French

## Design and Technology

**Electrical Toy:** Research, design, make and evaluate a toy that operates using electricity, which incorporates a homemade switch and an electrical device (buzzer, motor or bulb) into a simple circuit.

#### Art

Colour and technique: using different techniques, media and colour mixing strategies, inspired by a variety of artists to produce original pieces of artwork.

#### Maths

Measurement - Money & Time: Estimate, compare, calculate and convert different measures, including money in pounds and pence. And time hours and minutes. Read, write and convert time between analogue and digital 12- and 24-hour clocks. Solve problems involving time and money

**Decimals:** Compare numbers with up to two decimal places. Round decimals with one decimal place to the nearest whole number. Recognise and write decimal equivalents to 1/4, 1/2 and  $\frac{3}{4}$ . Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths.

Statistics: Interpret and present discrete and continuous data using bar charts and time graphs solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

#### Geometry:

Properties of shape: Identify acute and obtuse angles and compare and order angles by size. Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. Identify lines of symmetry in 2-D shapes. Complete a simple symmetric figure.

Position and Direction: Describe positions on a 2-D grid as coordinates in the first quadrant. Plot specified points and draw sides to complete a given polygon. Describe movements between positions as translations of a given unit to the left/right and up/down.

#### **PSHE**

Health and Wellbeing. Electrical hazards.

Money and work: Making decisions about money; using and keeping money safe RSE

A Community of Love

## Geography

Locational Knowledge: Cartography including creating, reading (keys) and comparing maps showing land use and population density and their change over time.

#### Science

#### States of Matter

Particles are what materials are made from. They are so small that we cannot see them with our eyes.

The properties of a substance depend on what its particles are like, how they move and how they are arranged

Particles behave differently in solids, liquids and gases and what happens to the particles in water when it is heated or cooled. The water-cycle.

#### Electricity

Where electricity come from. Appliances run on electricity. How a circuit works. Electrical conductors and insulators.

Name the basic parts of a circuit including cells, batteries, wires, bulbs, switches, motors and buzzers.

Investigate: to work safely with electricity; make a variety of circuits, investigating which circuits work and why; identify which materials are electrical conductors and insulators.

Draw and create circuits using switches.

#### Sound

What sound is, how it is made and travels. How we hear sounds, how they are altered and measured.

## Religious Education

#### New Life

• To hear and live the Easter message

## **Building Bridges**

 Admitting wrong, being reconciled with God and each other

## God's People

Different saints show people what God is like
 Other faiths - Islam Qur'an

## Music

#### PE

#### Inside

**Dodgeball:** Throwing, dodging and catching skills; simple tactics; the importance of being honest whilst

playing to the rules.; to evaluate and improve on their own and others performances.

#### Outside

**Cricket**: Striking the ball; fielding; skills, strategies and tactics to outwit the opposition. To work in collaboration with others, play fairly demonstrating within the rules, being respectful.

Athletics: Basic running, jumping and throwing techniques. To think about how to achieve and learn how to persevere to achieve their personal best within: running for distance, sprinting, relay, long jump, vertical jump and javelin.

## History

Anglo-Saxons: Anglo-Saxon settlement and life. Ask questions and find out answers using more than source. Explain how Britain changed with the Anglo-Saxon settlement. Place events on a timeline using dates. Compare Anglo-Saxon Britain with Roman life. Religious beliefs before the spread of Christianity and how the spread of Christianity impacted Britain.

The causes and consequences of the Viking invasion. Use a variety of sources. Describe how Britain changed over time from the Stone Age through to 1066, looking at different aspects of life. Compare Anglo-Saxon and Viking leaders, settlement. How the events at the Battle of Hastings brought an end to Anglo-Saxon and Viking rule.

## Computing

## Effective Searching (including safe searching):

Use search technologies effectively and be discerning in evaluating digital content.

Hardware Investigators (including safety):
Understand computer networks, including the Internet; and the opportunities they offer.