

## Maths

### Decimal Fractions

Know that 10 tenths are equivalent to 1 one, and that 1 is 10 times the size of 0.1. Know that 100 hundredths are equivalent to 1 one, and that 1 is 100 times the size of 0.01. Know that 10 hundredths are equivalent to 1 tenth, and that 0.1 is 10 times the size of 0.01. Recognise the place value of each digit in numbers with up to 2 decimal places, and compose and decompose numbers with up to 2 decimal places using standard and nonstandard partitioning. Reason about the location of any number with up to 2 decimal places in the linear number system, including identifying the previous and next multiple of 1 and 0.1 and rounding to the nearest of each. Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts. Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).

### Money

Addition and subtraction: money.

### Negative Numbers

counting, comparing and calculating.

### Short Multiplication & Short Division

Multiply any whole number with up to 4 digits by any one-digit number using a formal written method. Divide a number with up to 4 digits by a one-digit number using a formal written method, and interpret remainders appropriately for the context. Multiplication: partitioning leading to short multiplication. Division: partitioning leading to short division.

### Area & Scaling

Compare areas and calculate the area of rectangles (including squares) using standard units.

Multiplicative contexts: area and perimeter. Structures: using measures and comparison to understand scaling

## RE

### CREATION AND COVENANT:

The history of salvation; God calls Moses; The Exodus; God's covenant with the Israelites; Jesus' summary of the law; The theological virtues

### PROPHECY AND PROMISE:

David is chosen; David and Goliath; David becomes king; Psalm 23; Promises Fulfilled; The Rosary

**JUDAISM:** show knowledge and understanding on the celebration of Pesach; recall the story of Moses and the escape of the Israelites from Egypt; know and explain why the festival of Passover is a freedom festival; describe how Jewish people today celebrate

**Values:** Eloquent and Truthful

## English

**Reading Together Time:** Rooftoppers by Katherine Rundell

**Grammar and Punctuation:** Ready to Write, Relative Clauses, Modal Verbs, Adverbs

**Spelling:** Verb, adjective and noun suffixes

**The Write Stuff Units:** Story - Lights on Cotton Rock; Letter - Kick; Non-Chronological Report - Emperor Penguins

## D&T

### Electrical Systems:

understand how motors are used in electrical products; investigate an existing product; put findings from research into practice to develop product; develop a DIY kit to assemble to product.

### Art

**Sculpture and 3D:** identify and compare features of art installations; investigate space and scale; problem solve when constructing 3D artwork; plan an installation; create finished piece.

## Music

**Livein' on a Prayer: Style - Rock:** Listen/appraise; build on knowledge of interrelated dimensions of music; learn to sing the song; play instrumental parts by ear and/or from notation; improvise; perform compositions  
**Classroom Jazz 1:** Listen & appraise; play notes G, A & B + D, E, G, A & B; improvise in Bossa Nova style; improvise in swing style; compose; perform

## History/Geography

### How was life in Tudor England?

Use evidence to interpret the character of Henry VIII; understand why Henry VIII had many wives; make deductions about Anne Boleyn using a range of sources; extract evidence from primary sources about the Royal Progresses of Elizabeth I; reconstruct a Royal Progress using a range of primary sources; make deductions about the people of Tudor England using inventories; create a realistic inventory for a person living in Tudor times.

### What is life like in the Alps?

Locate the Alps on a map; locate the key physical and human characteristics of the Alps; describe the physical and human features of an Alpine region; investigate what there is to do in the local area using data collection; understand differences and similarities between the local area and an Alpine region; understand the human and physical geography of the Alps.



## Year 5 Topic Web Autumn Term



## Science

### Living Things and Their Habitats

Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.

### Earth and Space

Describe the movement of the Earth and other planets relative to the sun in the solar system describe the movement of the moon relative to the Earth describe the sun, Earth and moon as approximately spherical bodies use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky

## PSHE

**Being Me in My World:** Face new challenges and set personal goals; understand my rights and responsibilities as a citizen and a member of my school; make choices about my own behaviour; understand how an individual's behaviour can impact on a group; understand about democracy and having a voice

**Celebrating Difference:** Understand that cultural differences sometimes cause conflict; know what racism is; know that rumour-spreading and name-calling can be bullying behaviours and about types of bullying; compare my life with the lives of others; understand a different culture from my own

**FOREST SCHOOL LIFE SKILLS:** Toast marshmallows on a campfire - have a go at using steel and flint to start the fire and hand-light cotton wool balls.

## Spanish

Describing friends and family members: ask and answer questions to find out personal information; use de to indicate possession; describe family members; use first, second and third person forms of some familiar verbs; describe what someone likes to do; identify someone from a physical description.

## Computing

### Solving Problems with Algorithms:

Learn to write more complex algorithms; develop an understanding of decomposition, iteration and selection; create more complex programs to solve specific problems.

## P.E.

**Swimming:** Swim competently, confidently and proficiently over a distance of at least 25 metres; bring control and fluency to at least one recognised stroke; implement good breathing techniques to allow for smooth stroke patterns; attempt personal survival techniques as an individual with success.  
**Invasion Games:** Play in competitive games developing fluency in skills and techniques; use strength, agility and coordination when defending; relate a more significant number of attacking and defensive tactics to gameplay; become more skilful when performing movements at speed.