

## Maths

### Multiplication and Division

Partitioning, leading to short multiplication/division; multiply 3 or more numbers

### Area

Understand the concept of area; link area of rectangles to multiplication; compare and describe measurements using knowledge of multiplication and division

### Calculating with Decimal Fractions

Multiply and divide by 10, 100 and 1000; convert units of length, mass and capacity; multiply tenths and hundredths with whole numbers; multiply 1-digit numbers by decimals; divide decimal fractions by 1-digit numbers

### Understand the Concept of Volume

Describe units used to measure volume; explain how to calculate the volume of a cuboid and cube; calculate the volume of compound shapes; solve problems using volume

## History

**What did the Greeks ever do for us?** Understand where and when the ancient Greeks lived; understand the importance of the Greek gods; identify similarities and differences between Athens and Sparta; understand how Athenian democracy worked; understand the importance of the ancient Greek philosophers; identify and explain the achievements of the ancient Greeks

## Geography

**Why do oceans matter?** Explain the importance of our oceans; locate and describe the significance of the Great Barrier Reef; explain the impact humans have on coral reefs and oceans; understand ways to keep our oceans healthy and begin planning a fieldwork enquiry; collect data on the types of litter polluting a marine environment; present, analyse and evaluate data collected

## PSHE

**Dreams and Goals** Know that I will need money to help me achieve my dreams; know about a range of different jobs and about how much people earn; know a job I would like to do and what I need to do to achieve it; know about the dreams and goals of young people in a culture different to mine; know that communicating with someone in a different culture means that we can learn from and support each other; know some ways that I could support young people at home and abroad to achieve their goals

**Healthy Me** Know the health risks of smoking and alcohol and how these effect the body; know some basic emergency aid procedures and how to get help in an emergency; know how the media, social media and celebrity culture promote certain body types; know the different roles that food can play in people's lives and how people can develop eating problems; know what makes a healthy lifestyle and the choices I can make to be healthy and happy

## Spanish

We will be describing rooms in the house, how they are furnished and expressing opinions about our own bedroom. Listen carefully to authentic Spanish children and adults in the series 'La Tienda de Luis'. Understand how Spanish spread around the Hispanic world and learn the names of the Spanish speaking countries..

## RE

**Local Church:** Community: Mission - Life Choices

**OTHER FAITHS:** Islam - Ramadan and pilgrimage

**Eucharist:** Relating: Memorial Sacrifice - Life Choices

**Lent/Easter:** Giving: Sacrifice

**Our Values:**

Grateful & Generous and Attentive & Discerning

## English

**Reading Together Time:** Once by Morris Gleitzman

**Grammar and Punctuation:** Fronted adverbials; tenses; modal verbs; speech punctuation

**Spelling:** Words ending in '-able', where the 'e' from the root word remains; words that are adverbs of time; words ending in '-fer'; words with 'silent' first letters; words with 'silent' letters; words spelled with 'ie' after c; words where 'ei' makes an /ee/ sound; words where 'ough' makes an /or/ sound; words containing 'ough'; adverbs of possibility and frequency; challenge Words

**Write Stuff Units:** Story - The Piano (narrative); Persuasion - 'Kick'

## D&T

**Mechanical Systems - Making a pop-up book:** Produce a plan for each page, produce the structure of the book; assemble the components for all the required structures/mechanisms; use a range of mechanisms and structures to illustrate the story; use layers to hide mechanical elements

## Art

**Drawing - I Need Space:** Understand and explain what retrofuturism is; evaluate images; provide plausible suggestions for how a piece was created; use a different stimulus to draw from; select and place textures to create a collagraph plate apply skills to make an effective collagraph print

## Music

**Make You Feel My Love: Style - Pop**  
**Sallad AND The Fresh Prince of Bel Air: Style - Old School Hip Hop**  
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

# Year 5 Spring Term Topic Web

## Science

**Properties and Uses of Material** Compare and group materials; explain why certain materials are chosen for particular purposes; explore the properties of materials; explore insulation; understand what it means for a material to be absorbent, permeable or waterproof

**Separating Mixtures and Changing Materials** Understand how we can separate mixtures; say what happens when we mix liquids and solids; say what makes a difference to how quickly sugar or salt dissolves; explain how we could clean contaminated water; understand reversible and irreversible changes

## Computing

**Online Safety** Understand how apps can access our personal information and how to alter the permissions; be aware of the positive and negative aspects of online communication; understand how online information can be used to form judgements; discover ways to overcome bullying; understand how technology can affect health and wellbeing

**Creating Media: Motion Animation** Understand what animation is; understand what stop motion is; plan my stop motion video, thinking about the characters I want to use; create a stop motion animation; edit and assess my stop motion animation

## P.E.

**Dance** Use transitions to link movements together smoothly; use spatial awareness and demonstrate this skill effectively in dance; demonstrate an ongoing motif throughout a dance; demonstrate variations in timing throughout a dance; use strong, expressive movements; combine movements to create a fluent sequence

**Gymnastics** Accurately perform: a cat leap, full turn and stag leap; a dive forward roll and a pike backward roll; a straddle over vault; a round-off. Independently plan a sequence of gymnastics movements that are creatively linked together