

### Mathematical Development - White Rose

Year 6 Algebra and Ratio

Use simple formulae and express missing number problems algebraically.  
Find pairs of numbers that satisfy an equation with two unknowns.  
Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.  
Solve problems involving similar shapes where the scale factor is known or can be found.  
Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.

### Possible Activities

#### Science

Examine the structures of flowering and non-flowering plants and how plants reproduce.  
Label and draw the parts of a flower involved in sexual reproduction in plants (stamen, filament, anther, pollen, carpel, stigma, style, ovary, ovule and sepal).  
**History**  
To research and present information on the Dig for Victory campaign encouraged everyone to grow fruits and vegetables on open land to counteract food shortages created during the Second World War.  
**Geography**  
Using a variety of sources, research how the factors of climate, topography and soil determine how the land is used in Italy.

### Possible Activities

#### R.E.

- Investigate differences: within Anglican and Baptist churches; between worship in a Hindu home and at the mandir; between different Jewish synagogues and make links between beliefs and features of the places of worship.
- Discover what people from different religions would say the most important function of their place of worship is and find examples of how places of worship are helpful to believers in difficult times

#### PSHE & Citizenship

- Learn and practice basic emergency first aid
- Understand and discuss what makes a healthy life style
- Understand the health risks of drug use specifically smoking and alcohol.
- What is body image and how can the media affect this.

## Spring 1: Eating the Seasons in Italy

### THE BIG IDEA

In this topic, we will investigate food and farming in Italy. We will learn about food webs and animal life cycles, including how living things are dependent on one another within a habitat. We will investigate the different ways that plants reproduce and will dissect flowering plants to identify the different structures. Children will have the opportunity to learn about the techniques used in modern farming, including the challenges that farmers face. We will be tasting and creating some authentic Italian dishes and we will learn about the benefits of eating seasonally, about the pros and cons of importing food and about how the different climate zones affect where different foods can be grown.

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Year 5 Multiplication and Division Recap

Recognise and use square numbers and cube numbers and the notation for squared (<sup>2</sup>) and cubed (<sup>3</sup>)  
Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers  
Establish whether a number up to 100 is prime and recall prime numbers up to 19  
Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.

### Knowledge and Understanding of the World

(Geography, History, Science, ICT)

#### ICT

Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content

#### Science

Describe the life process of reproduction in some plants and animals.

#### History

Articulate and organise important information and detailed historical accounts using topic related vocabulary

#### Geography

Explain how the topography and soil type affect the location of different agricultural regions.  
Use compass points and grid references to interpret maps, including Ordnance Survey maps with accuracy.

### Thematic English

- We will read and discuss the novel 'The Secret Garden' by Frances Hodgson Burnett.
- Write a factual or dramatic diary entry from the point of view of an Italian farmer.
- Plan and write a non-chronological report linked to an aspect of food production in Italy.
- Write a leaflet to persuade families to buy locally produced foods and inform them about the impact of food miles.

### ENGAGEMENT

#### A celebration of Lemons!

We will create, taste and evaluate some local specialities using lemons as the main ingredient. We will learn about how they are cultivated and their importance to our region.

### Personal, Social and Emotional Development.

(RE, PSHE, Citizenship)

**RE- If God is everywhere, why go to a place of Worship?**  
*Continued from Spring 1*

- Make connections between how believers feel about places of worship in different traditions.
- Select and describe the most important functions of a place of worship for the community
- Give examples of how places of worship support believers in difficult times, explaining why this matters to believers
- Present ideas about the importance of people in a place of worship, rather than the place itself.

#### PSHE (Jigsaw) & Citizenship - Healthy Me

- Know the health risks of smoking and misusing alcohol.
- Know and can put into practice basic emergency aid procedures (including recovery position)
- Understand how the media, social media and celebrity culture promotes certain body types.
- Know what makes a healthy lifestyle.

### Physical Development Outdoor

(PE, growth and health)

#### Striking and Fielding - Rounders

We will learn correct techniques for different types of throws and catches, practise batting and bowling techniques and learn all about the roles and responsibilities of different fielding positions. In addition to this, we will learn how to think strategically and choose and apply a range of tactics to help us perform their best.

### Physical Development Indoor

Gymnastics

To use balancing on different body parts to create bridge shapes both as individuals and partners.  
To sustain concentration and practice to improve the quality and accuracy of their movements.  
To work cooperatively and create a sequence showing planned variations in level, direction and shape.

### Creative Development

(Art, D&T, Music, Dance, Drama, Role Play)

#### Art

Still Life - Mix and use tints and shades of colours using a range of different materials, including paint

#### D&T

To understand the meaning and benefits of seasonal eating, including food preparation and cooking techniques.

#### Music block with Mr Kille

Theme: Techno in Music.

### Possible Activities

#### Art

- Investigate artists who have painted still life compositions.
- Explore still life techniques before creating a still life composition.

#### D&T

- To understand the benefits of seasonality.
- To find a recipe using seasonal vegetables and create a dish using these ingredients.

#### Music

- We will be using Garage Band to create our own musical compositions.

Communication, Language and Literacy (Speaking & Listening, reading, writing, MFL)

English *Harry Potter and the Philosopher's Stone - Continued*

- Study instructional texts, sentence forms and apostrophes for contraction/possession. Role-play a wizarding duel and write a guide to surviving Hogwarts.
- Create a Ministry report and explore informal/formal writing. Rewrite dialogue, changing the register. Revise cohesion, verb forms. Write a recount in role.
- Explore persuasive writing; advertisements for Wizard Wheezes; excuses for Fred/George; letters of persuasion for Buckbeak's innocence.
- Explore newspaper writing, roleplay interviews with Rita Skeeter, and consider accuracy in news reporting.

#### Italian

- To use basic vocabulary and phrases
- To read and show an understanding of simple texts.
- To write simple phrases and sentences.
- To understand Italian traditions and how they are celebrated - Carnevale, Father's Day and Easter traditions.