

## Computing      Programming-Scratch

- Problem solving and debugging and correcting errors in programming. By decomposing them into smaller parts and detecting and correcting errors in algorithms and programs.
- designing, writing and debugging programs that control or simulate physical systems.

## Geography      Volcanoes and earthquakes

- use maps, atlases, globes and digital/computer mapping to locate countries and describe features
- use the eight points of a compass, four and six-figure grid references, symbols and key to build their knowledge of the United Kingdom and the wider world
- use key vocabulary to demonstrate knowledge and understanding about volcanoes
- physical geography related to volcanoes, including: climate zones and vegetation belts, mountains
- human geography, including: types of settlement and land use, economic activity including, and the distribution of natural resources including energy, food, minerals and water.

## PE      Gymnastics

- Looking at variety of rolls
- Revise and Flight
- Balances
- What is cannon and how do I include it my routines
- Create more complex routines using a greater range of skills
- Using Equipment

### Fitness:

- Cardiovascular endurance
- HRF
- Rowing
- Fitness tests
- Skipping
- Cross Country

### Tag Rugby

- Defensive lines
- Attacking formations
- Passing backward on the move
- Rules

### Football

- Beating a player
- Passing lofted ball
- Tackling
- Shooting
- Dribbling more adv

## English      Biography

Sky High film (extract/ assorted film clips)  
Superhero (**writing focus**)  
**Autobiographies/diaries/ memoires – writing/writing**  
Non-chronological rpt – volcanoes (x-curruc with geography) – **reading and writing**  
**Persuasive letter – audience of pupil’s choice (writing)**  
**Reading** – focus on answering the 7 NC reading domains

## **RE:**      What kind of king is Jesus?

- What is the kingdom of God?
- What kind of king was Jesus?
- How easy is it to bring heaven to earth?
- The relevance of the Christmas story

## French      All about France

- Famous countries
- Neighbouring countries to France
- What is there in France?
- Description of France,
- Where do I live?
- Languages and nationalities

## Year 6 Autumn 2

## Science      Light

- Light travelling in straight lines,
- How we see objects,
- The eye,
- Reflection
- Opaque/transparent and translucent materials
- Shadows
- Rainbows and colour spectrum,
- Refraction through water.

## Art      Tone, Shade and Colour

- Use of different graded pencils
- Depicting tone and shade
- Creating the illusion of light and shade when drawing
- Developing observational skills in drawing of insect/dragon.

## Music

- Compose & perform accurately composition of “Clouds”
- Notate own composition
- Describe music (Beethoven & Grieg) using music vocabulary.
- Ensemble performance Grieg (a)
- Sing Christmas songs

## Design Technology

### Resistant Materials–Wheeled wooden toy.

- Woodworking- Cutting, drilling, shaping and smoothing timber.
- Pyrography for detailing.
- Constructing simple wheels and axles.
- Evaluating.
- Product packaging.

## Maths      Multiplication, Division and Fractions

- Multiply and divide mentally using known facts.
- Identify multiples and factors
- Find common factors of two whole numbers
- Identify prime numbers and composite numbers
- square and cube numbers
- Multiply and divide whole numbers by 10, 100 and 1000.
- Multiples of 10, 100 and 1000 to answer related questions.
- Identify, name and write equivalent fractions.
- Compare and order fractions greater and less than 1
- Add and subtract fractions with the same denominator
- Add 3 or more fractions by finding a common denominator
- Add and subtract fractions to a mixed number including two mixed numbers

## History      Early Islamic Civilisation including Baghdad

- Investigate the Siege of Baghdad and how it impacted the world at the time.
- Learn about scholars whose discoveries impact our daily lives with a focus on Ibn Al-Haytham and his studies of optics.
- Analyse the significance and impact of the Islamic Golden Age on the modern world.
- Use sources to answer enquiries.

## PSHE      Health and hygiene

- balanced, healthy lifestyles and positive and negative effects on them
- recognising early signs of physical illness.
- the elements of a balanced, healthy lifestyle.