



### Maths: Skills and Knowledge

Number (including negative numbers and Roman numerals)  
Place value (including decimals)  
Mental and written addition, subtraction, multiplication and division (including remainders expressed as fractions and decimals)  
Algebra

**Problem solving**—multi-step problems, missing number problems, reasoning and explanations

**Measurement**—length, capacity, mass, money and time

**Fractions**—improper and mixed number fractions, non-unit fractions of amounts, percentages, applying all four operations to fractions

**Geometry: property of shapes**—perimeter, area and volume of shapes (including the area of a triangle and of parallelograms), nets of 3D-shapes, translation, calculating diameter and radius of a circle

### English and Language: Skills and Knowledge

**Stone girl Bone girl**—The Story of Mary Anning by Laurence Anholt

**Clockwork** by Philip Pullman  
Descriptive writing

**Street Child** by Berlie Doherty  
Extended story chapter  
Biography

### Vocabulary

Evolution  
Inheritance  
Fossils  
Adaptation  
Blood Vessels  
Heart  
Circulatory  
System  
Healthy  
Lifestyles

### Creativity and Design

#### Art/DT:

- Designing, creating and producing prints and clay tiles inspired by William Morris and Paul Klee
- Exploring textures and artists—George Seurat and Ansel Adams
- Building Bridges

#### Games:

OAA                      Fitness  
Hockey                  Tag Rugby

#### Music:

20th Century Music from the Victorian Music Hall through to the development of Jazz.

#### Foreign Languages:

School Timetables

## Autumn Term 2022

### The Revolutionary Victorians

Victorian Day

### Understanding the World Around Us

#### The Victorians:

The Industrial Revolution  
Working children  
Railway System  
Inventions  
Social class

#### RE:

What does it mean to be a Muslim?  
What does it mean to be a Sikh?

**PSHE:** 'Health and Wellbeing' and 'Living in the Wider World'

### Computing and Science; Skills and Knowledge

#### Science:

##### Evolution and Inheritance

Animal and plant adaptations  
Mary Anning and Charles Darwin  
Scientific investigation and enquiry

##### Animals including Humans:

Circulatory system  
The heart, blood and blood vessels  
Transportation of nutrients and water  
The impacts of diet and exercise

#### Computing:

Online safety and reliability of search engines.  
Internet Communication and websites

### Ways of Supporting Your Child at Home

Reading daily  
Times tables practise—multiplication and division facts  
Mental mathematics including all four operations.

**Suggested Visits:** Science Museum and Natural History Museum