



# Romanby Primary School

## Y5/6 Class Plan - Cycle A (2024-25)



### Dynamic Dynasties (History)

#### Companions

- Moving Mechanisms (Design and Technology)
- Investigating (Our World Geography)
- Colour in Landscapes (Art and Design)
- Taotie (Art and Design)
- Forces and Mechanisms (Science)
- Earth and Space (Science)

### Planned term -Autumn



#### Suggested text

Bronze and Sunflower – Cao Wenxuan. [Investigating Our World] - Collins Junior Atlas - Stephen Scoffham and Collins Kids

#### Memorable experience

The Yellow Emperor and the Xia Dynasty. [Moving Mechanisms] - Exploring pneumatics. [Taotie] - Exploring taotie motifs



#### Innovate challenge

Life after the Shang Dynasty. [Moving Mechanisms] - Designing and making a pneumatic prototype. [Taotie] - Making taotie pieces



#### English - Linked to T4W

Fiction: Narrative: Quest (focus: setting description, action and suspense); Rags to Riches (focus: character description) Non-fiction: Instructions; Persuasive writing- leaflets, Poetry: Free verse



#### Mathematics

Y5 WRM – Autumn (v3.0) Block 1: Number – Place value; Block 2: Number – Addition and subtraction; Block 3: Number – Multiplication and Division; Block 4: Number – Fractions

Y6 WRM – Autumn (v3.0) Block 1: Number – Place value; Block 2: Number – Addition, subtraction, multiplication, and division; Block 3 and 4: Number – Fractions; Block 5: Measurement – Converting units

#### Science

Contact and non-contact forces; Gravity; Mass and Weight; Discovering gravity – important scientists; Friction; Air resistance; Water resistance; Mechanisms – levers, pulleys, gears; Investigating forces and mechanisms; Working scientifically – Identifying and classifying, Observing changes over time, Comparative tests, Research, Pattern seeking The Solar System; Scientists of the past who discovered how the Solar System works; The Earth, Sun and Moon; Planets and stars are spherical; Daytime and night time; Sundials; Day length and the seasons; Times of the day around the world; The phases of the Moon; Lunar and solar eclipses; Working scientifically – Identifying and classifying, Research, Changes over time, Pattern seeking

### **Geography**

[Investigating Our World] - Ordnance Survey maps; Contour lines; Six-figure grid references; Time zones; Climate zones; Vegetation belts; Biomes; Human geography; World cities; Sustainable manufacturing processes; Relative locations and distances; Transport networks; Settlement hierarchy; Local enquiry; Fieldwork

### **Art and design**

[Tints, Tones and Shades (Y5)] - Colour theory; Colour wheel; Mixing tints, shades and tones; Landscapes. [Taotie] - Taotie motifs; Casting methods; Watercolour

### **Computing (Kapow)**

Autumn 1- Programming -Micro:bit +Online Safety  
Autumn 2- Data Handling - Mars Rover 1 +Online Safety

### **Design and technology**

[Moving Mechanisms] - Pneumatic systems; Joining and finishing; Iterative design process; Building pneumatic machine prototypes

### **History**

Ancient China; Timelines and chronology; Shang Dynasty; Sources and artefacts; Oracle bones and religious beliefs; Bronze Age in ancient China; Historical enquiry; Significance of jade and silk; Power and social hierarchy; Everyday life; Warfare; Significant individual – Di Xin; End of the Shang Dynasty; Bronze Ages around the world; Life after the Shang Dynasty; Legacy

### **Music (Charanga)**

Autumn 1 Melody and Harmony  
Autumn 2 Sing and Play in Different Styles

### **Personal, social and health education (Kapow)**

Autumn 1 Families and Relationships  
Autumn 2 Health and Wellbeing

### **Physical education (PE Hub)**

Autumn 1 Dance (Unit 1) TAG Rugby  
Autumn 2 Gymnastics (Unit 1) Cross Country

### **Religious education**

Autumn 1 U2.2 What would Jesus do? Can people live by the values of Jesus in the 21<sup>st</sup> Century?  
Autumn 2 Walk through the Bible (NT)

### **Languages (Kapow)**

Autumn 1 Portraits - describing in French  
Autumn 2 Meet my French family



# Sow, Grow and Farm (Geography)

## Companions

- Eat the Seasons (Design and Technology)
- Line, Light and Shadows (Art and Design)
- Nature's Art (Art and Design)
- Human Reproduction and Ageing (Science)

## Planned term - Spring

### Suggested text

The Secret Garden - Frances Hodgson Burnett Tom's Midnight Garden - Philippa Pearce

### Memorable experience

Allotment visit. [Eat the Seasons] - Seasonality. [Line, Light and Shadows] - Line up!. [Nature's Art] - Working outdoors

### Innovate challenge

Market gardeners. [Eat the Seasons] - Seasonal soups. [Line, Light and Shadows] - Creating artwork with line, light and shadows. [Nature's Art] - Creating an installation. [Human Reproduction and Ageing] - Let's investigate focus: Reporting and concluding

### English - Linked to T4W

Fiction: Narrative: Loosing tale (focus: suspense and dialogue) Non-fiction: Diaries; Persuasive Leaflets; \*Non-chronological report as part of project; Poetry: Narrative Poetry

### Mathematics

Y5 WRM – Spring (v3.0) Block 1: Number – Multiplication and division; Block 2: Number – Fractions; Block 3: Number – Decimals and percentages; Block 4: Measurement – Perimeter and area; Block 5 – Statistics

Y6 WRM – Spring (v3.0) Block 1: Number – Ratio; Block 2: Number – Algebra; Block 3: Number – Decimals; Block 4: Number – Fractions, decimals and percentages; Block 5 – Measurement – Area, perimeter and volume; Block 6 – Statistics

### Science

Food chains and webs; Life cycles; Plant reproduction; Growing plants; Modern farming. [Human Reproduction and Ageing] - Animal life cycles; Stages and processes; Classifying mammals; Mammalian life cycles; Interpreting scatter graphs; Human life cycle; Human gestation stage; Human juvenile stage; Human adolescent stage; Puberty; Venn diagrams; Interpreting line graphs; Human sexual reproduction; Human ageing; Working scientifically – Observing changes over time, Identifying and classifying, Pattern seeking, Comparative test, Research

### Geography

Land use in the UK; Allotments; Farming in the UK; Maps; Grid references; Climate zones; Physical features of North and South America; Farming in North and South America; Food transportation

### Art and design

Still life. [Line, Light and Shadows] - Continuous line drawing; Significant artists – Pablo Picasso and Rembrandt; Shading techniques; Drawing on black paper; Black and white photography. [Nature's Art] - Land art; Natural materials; Relief sculpture; Installations



**Computing (Kapow)**

Spring 1- Skills Showcase - Mars Rover 2 +Online Safety

Spring 2- Programming - Music + Online Safety

**Design and technology**

Seasonality. [Eat the Seasons] - Cooking; Nutrition

**History**

Dig for Victory

**Music (Charanga)**

Spring 1 Composing and Chords

Spring 2 Enjoying Musical Styles

**Personal, social and health education (Kapow)**

Spring 1 Safety and the Changing Body

Spring 2 Citizenship

**Physical education (PE Hub)**

Spring 1 Fitness (Unit 1) Hockey

Spring 2 Gymnastics (Unit 2) Football

**Religious education**

Spring 1 U2.9 What can be done to reduce racism? Can religion help?

Spring 2 U2.10 Green religion? What do religious and non-religious worldviews teach about caring for the earth?

**Languages (Kapow)**

Spring 1 Clothes - getting dressed in France

Spring 2 French weather



# Ground-breaking Greeks (History)

## Companion

- **Architecture** (Design and Technology)
- **Mixed Media** (Art and Design)
- **Properties and Changes of Materials** (Science)
- **Expression** (Art and Design)

## Planned Term - Summer

### Suggested text

Who Let the Gods Out? – Maz Evans

### Memorable experience

Time team. [Architecture] - Architecture over time. [Mixed Media] - Paper craft. [Expression] - What is Expressionism?

### Innovate challenge

The ancient Greeks' greatest idea. [Architecture] - Building design. [Mixed Media] - Creating mixed media artwork. [Expression] - Creating an Expressionist-style painting

### English - Linked to T4W

Fiction: Narrative: Defeating the monster (focus: openings, endings and description); Greek myth (focus: dialogue) Non-fiction: Newspaper report; Balanced Arguments / Discussion; Poetry: Odes

### Mathematics

Y5 WRM – Summer (v3.0) Block 1: Geometry – Shape; Block 2: Geometry – Position and direction; Block 3: Number – Decimals; Block 4: Number – Negative numbers; Block 5: Measurement – Converting units; Block 6: Measurement – Volume

Y6 WRM – Summer (v3.0) Block 1: Geometry – Shape; Block 2: Geometry – Position and direction; Block 3: Themed projects, consolidation and problem solving

### Geography

Interpreting geographical sources

### Art and design

[Mixed Media] - Paper crafts; Papermaking; Paper, fabric, mixed media and surreal photo collage; Mixed media artwork. [Expression] - Expressionist art movement; Significant artist – Edvard Munch; Portrait photography; Expression; Self-portraits

### Computing (Kapow)

Summer 1- Creating Media – Stop Motion Animation + Online Safety

Summer 2- Computing Systems and Networks - Search Engines + Online Safety

### Design and technology

[Architecture] - Architecture over time; Greek architecture; Structural support, stiffness and stability; Computer-aided design; Building design. [Mixed Media] - Fabric and mixed media collage; Stitching and embellishment

### History

Ancient Greek periods – Minoan civilisation, Mycenaean civilisation, Dark Age, Archaic period, Classical period, Hellenistic period; Chronology and timelines; Primary and secondary sources; City states; Democracy; Role of men and women; Social hierarchy; Great Athenians; the Acropolis; Greek art, culture,



architecture, philosophy, medicine and mathematics; Olympic Games; Alexander the Great; End of the Greek Empire; Legacy

**Music (Charanga)**

Summer 1 Freedom to Improvise

Summer 2 Battle of the Bands!

**Personal, social and health education (Kapow)**

Summer 1 Economic Wellbeing

Summer 2 Identity Transition

**Physical education (PE Hub)**

Summer 1 Badminton Cricket

Summer 2 Athletics Rounders

**Religious education**

U2.7 What matters most to Christians and Humanists?

**Languages (Kapow)**

Summer 1 French speaking world

Summer 2 Planning a French holiday