



# Dordon Community Primary School

## Class plan - Hawk 24-25 Cycle A



### Dynamic Dynasties **History**

#### Companions

- Investigating Our World **Geography**
- Moving Mechanisms **Design and technology**
- Taotie **Art and design**
- Tints, Tones and Shades (Y5) **Art and design**
- Forces and Mechanisms **Science**
- Earth and Space **Science**

#### Planned term

Autumn

#### Suggested text

Bronze and Sunflower – Cao Wenxuan

#### Memorable experience

The Yellow Emperor and the Xia Dynasty

#### Innovate challenge

Life after the Shang Dynasty

#### English

Narrative poems; Biographies; Stories from another culture

#### 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

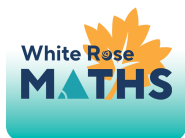
### Y5 WRM – Autumn (v3.0) **Mathematics**

#### Planned term

Autumn

#### Mathematics

Block 1: Number – Place value; Block 2: Number – Addition and subtraction; Block 3: Number – Multiplication and Division; Block 4: Number – Fractions



### Investigating Our World **Geography**

#### Planned term

Autumn

#### Suggested text

Collins Junior Atlas - Stephen Scoffham and Collins Kids

#### Geography

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



## Moving Mechanisms **Design and technology**

### Planned term

Autumn

### Memorable experience

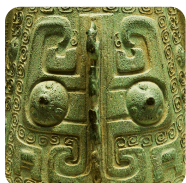
Exploring pneumatics

### Innovate challenge

Designing and making a pneumatic prototype

### Design and technology

Pneumatic systems; Joining and finishing; Iterative design process; Building pneumatic machine prototypes



## Taotie **Art and design**

### Planned term

Autumn

### Memorable experience

Exploring taotie motifs

### Innovate challenge

Making taotie pieces

### Art and design

Taotie motifs; Casting methods; Watercolour



## Tints, Tones and Shades (Y5) **Art and design**

### Planned term

Autumn

### Art and design

Colour theory; Colour wheel; Mixing tints, shades and tones; Landscapes



## Forces and Mechanisms **Science**

### Planned term

Autumn 1

### Innovate challenge

Let's investigate focus: Observing, measuring and recording

### 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



## Earth and Space **Science**

### Planned term

Autumn 2

### Innovate challenge

Let's investigate focus: Research

### Science

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



## Sow, Grow and Farm **Geography**

### Companions

- o Eat the Seasons **Design and technology**
- o Human Reproduction and Ageing **Science**
- o Line, Light and Shadows **Art and design**
- o Nature's Art **Art and design**

### Planned term

Spring

### Suggested text

The Secret Garden - Frances Hodgson Burnett

### Memorable experience

Allotment visit

### Innovate challenge

Market gardeners

### English

Non-chronological reports; Diaries; Leaflets; Balanced arguments

### 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

### Design and technology

Seasonality

### History

Dig for Victory

### Personal, social and health education

Debating topical issues

### Science

Food chains and webs; Life cycles; Plant reproduction; Growing plants; Modern farming

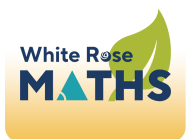
## Y5 WRM – Spring (v3.0) **Mathematics**

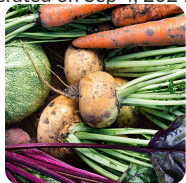
### Planned term

Spring

### Mathematics

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





## Eat the Seasons **Design and technology**

### Planned term

Spring

### Memorable experience

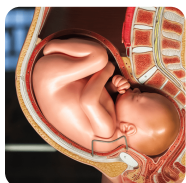
Seasonality

### Innovate challenge

Seasonal soups

### Design and technology

Cooking; Nutrition



## Human Reproduction and Ageing **Science**

### Planned term

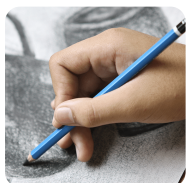
Spring

### Innovate challenge

Let's investigate focus: Reporting and concluding

### Science

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



## Line, Light and Shadows **Art and design**

### Planned term

Spring

### Memorable experience

Line up!

### Innovate challenge

Creating artwork with line, light and shadows

### Art and design

Continuous line drawing; Significant artists – Pablo Picasso and Rembrandt; Shading techniques; Drawing on black paper; Black and white photography



## Nature's Art **Art and design**

### Planned term

Spring

### Memorable experience

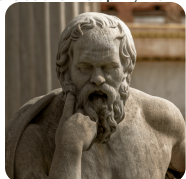
Working outdoors

### Innovate challenge

Creating an installation

### Art and design

Land art; Natural materials; Relief sculpture; Installations



# Groundbreaking Greeks **History**

## Companions

- o Architecture **Design and technology**
- o Mixed Media **Art and design**
- o Properties and Changes of Materials **Science**
- o Expression **Art and design**

## Planned term

Summer

## Suggested text

Who Let the Gods Out? – Maz Evans

## Memorable experience

Time team

## Innovate challenge

The ancient Greeks' greatest idea

## English

Greek myths; Balanced arguments; Playscripts; Odes

## Geography

Interpreting geographical sources

## 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



# Y5 WRM – Summer (v3.0) **Mathematics**

## Planned term

Summer

## Mathematics

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



# Architecture **Design and technology**

## Planned term

Summer

## Memorable experience

Architecture over time

## Innovate challenge

Building design

## Design and technology

Architecture over time; Greek architecture; Structural support, stiffness and stability; Computer-aided design; Building design



## Mixed Media **Art and design**

### Planned term

Summer

### Memorable experience

Paper craft

### Innovate challenge

Creating mixed media artwork

### Art and design

Paper crafts; Papermaking; Paper, fabric, mixed media and surreal photo collage; Mixed media artwork

### Design and technology

Fabric and mixed media collage; Stitching and embellishment



## Properties and Changes of Materials **Science**

### Planned term

Summer

### Innovate challenge

Let's investigate focus: Planning and carrying out

### Science

Properties of materials; Thermal conductivity; Measuring temperature; Thermal insulators; Solubility; Heterogeneous and homogeneous mixtures; Sieving; Filtration; Evaporation; Separating unusual mixtures; Reversible and irreversible changes; Innovative materials; Working scientifically – Identifying and classifying, Observing changes over time, Comparative tests, Research, Pattern seeking



## Expression **Art and design**

### Planned term

Summer

### Memorable experience

What is Expressionism?

### Innovate challenge

Creating an Expressionist-style painting

### Art and design

Expressionist art movement; Significant artist – Edvard Munch; Portrait photography; Expression; Self-portraits



## Y5 Computing **Computing**

### Planned term

Summer

### Computing

Staying safe online; Evaluating digital content; Algorithms and debugging; Using data



## Dharma Day **Religious education**

**Planned term**

Autumn 1

**Memorable experience**

Buddhist flag

**Innovate challenge**

Exploring compassion

**Religious education**

Buddhist flag; Wheel of Dharma; Compassion



## Pentecost **Religious education**

**Planned term**

Autumn 2

**Memorable experience**

Learning languages

**Innovate challenge**

Exploring communities

**Religious education**

Pentecost; Community



## Guru Arjan Gurburab **Religious education**

**Planned term**

Spring 1

**Memorable experience**

Modelling the Golden Temple

**Innovate challenge**

Exploring words

**Religious education**

Guru Arjan; Golden Temple; Guru Granth Sahib; Words



## Passover **Religious education**

**Planned term**

Spring 2

**Memorable experience**

Special meal

**Innovate challenge**

Thinking about freedom

**Religious education**

Plagues of Egypt; Seder plate; Traditions and customs; Freedom



## Ramadan and Eid al-Fitr **Religious education**

**Planned term**

Summer 1

**Memorable experience**

The 'go without' challenge

**Innovate challenge**

Exploring gratitude

**Religious education**

Sacrifice; Islamic Hijri calendar; Ramadan customs; Gratitude



## Holi **Religious education**

**Planned term**

Summer 2

**Memorable experience**

Meaning of colour

**Innovate challenge**

Exploring needs

**Religious education**

Meaning of colour; Holi celebrations; Needs

Meaning of colour; Holi celebrations; Needs