



# Kineton CE Primary School

## Class plan - Year 5 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

### Term

Autumn

### Key texts

Cosmic by Frank Cottrell Boyce Kai and the Monkey by Joe Todd Stanton (graphic novel)

### Additional texts

The Humans - Ancient Civilisations and Amazing Things They Taught Us by Jonny Marx. Queens - 3000 Years of the Most Powerful Women in History by Victoria Crossman.

### Memorable experience

Residential - adventurous activity Plas Gwynant or Umberslade

### Innovate challenge

Dynamic Dynasty Write and record a five minute podcast entitled Life after the Shang Dynasty.

### English - genres

Diary entry (fiction) - Entertain - Liam's traumatic events Persuasive Letter (fiction) - Persuade - Florida to attend trip Biography (non-fiction) - Inform - Neil Armstrong Debate - Discuss - Should the children tell the news about being lost in space? Autumn 2 Monkey King Story (fiction) - Narrative - Advert - Persuade - based on an artefact Leaflet (non-fiction) - Persuade - Based on an artefact

### English - punctuation

capital letters for proper nouns adjectives, verbs, nouns and adverbs sentence demarcation (capital letters, full stops, question marks, exclamation marks) tenses (past and present) 4 sentence types (question, exclamation, command, statement) Fronted adverbials Rhetorical questions Parenthesis

### Art and design

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

### Computing

Self Image and Identity Online Relationship

### Design and technology

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

### 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

### 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

Tuned Instrument - Recorders

### PSHE

Physical health and wellbeing: In the media. Identify, society, and equality: Stereotypes, discrimination and prejudice (including tackling homophobia). Taking Care Project.

### PE

Gymnastics Handball Dance Circuit Training

### RE

God What does it mean if God is loving and holy? Incarnation Is Jesus the messiah?

## Science

[Forces and Mechanisms] - 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] - 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

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

### Term

Spring

### Key texts

The Lion, the Witch and the Wardrobe by C S Lewis Bloom by Nicola Skinner

### Additional texts

Dr Maggie's Grand Tour of the Solar System by Dr Maggie Aderin Pocock. Space Maps - Your Tour of the Universe by Lara Albanese.

### Memorable experience

Visit to Shakespeare's Birthplace.

### Innovate challenge

Sow, Grow and Farm. Design a leaflet that informs a consumer about your market garden.

### English - genres

Letter (fiction) - Discuss - Edmund letter to the siblings Setting Description - Narrative - Aslan returns Balanced Argument - Discuss - Should Edmund get his siblings to visit the Queen? Instruction - Inform - Truth potion Diary entry - Entertain - Day of the battle POETRY - Narrative Poem - Entertain

### English - punctuation

Relative clauses Modal verbs Commas to clarify meaning Collective nouns Simple, Complex and Compound sentences Expanded noun phrases

### 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

Online Bullying Copyright & Ownership/Privacy & Security

### Design and technology

Seasonality. [Eat the Seasons] - Cooking; Nutrition

### 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

### History

Dig for Victory

### Music

Tuned Instrument - Recorders

### PSHE

Keeping safe and managing risk: When things go wrong. Mental health and emotional wellbeing: Dealing with feelings.

### PE

Gymnastics Badminton Dance Basketball

### RE

What matters most to Christians and Humanists? Salvation What did Jesus do to save human beings?

### 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



## Y5 WRM – Spring (v2.0) Mathematics

### Mathematics

Block 1: Number – Multiplication methods; Division methods; Block 2: Number – Recognising, finding and making fractions, Equivalence; Block 3: Number – Equivalence, Counting and calculating with fractions, Addition with fractions, Subtraction with fractions, The four operations and fractions; Block 4: Number – Fractions, decimals and percentages, Recognise, order and compare decimals



# Groundbreaking Greeks History

## Companions

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

## Term

Summer

## Key texts

Who Let the Gods Out? – Maz Evans Leo and the Gorgon's Curse by Joe Todd Stanton (graphic novel)

## Additional texts

Mythologica: An Encyclopedia of Gods, Monsters and Mortals by Dr Stephen Kershaw. Greek Myths: Meet the Heroes, Gods and Monsters of Ancient Greece by MK.

## Memorable experience

Greek Historical Visitor

## Innovate challenge

Groundbreaking Greeks Produce a podcast about the Ancient Greek's greatest idea.

## English - genres

Press release (fiction) - Inform - about the escaped prisoner Descriptive setting writing (fiction) - Entertain - where the prisoner is kept. Character description - Entertain - Discuss and Inform POETRY - Narrative Poem - Entertain

## 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

Managing Online Relationships Health & Wellbeing

## 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

## 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

## Music

Tuned Instrument - Recorders

## PSHE

Drug, alcohol and tobacco education: Different influences. My Feelings, Friends and Family.

## PE

Forest School Swimming Athletics Rounders

## RE

What do religions say to us when life gets hard? Gospel What would Jesus do?

## Science

[Properties and Changes of Materials] - 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



## Y5 WRM – Summer (v2.0) **Mathematics**

### Mathematics

Block 1: Number – Recognise, order and compare decimals, Addition with decimals, Subtraction with decimals, Problems (decimals and percentages); Block 2: Geometry– Shape, Angles; Block 3: Geometry– Patterns and symmetry, Position, direction and coordinates; Block 4: Measurement– Problems (measurement), Converting units; Block 5: Measurement – Volume and capacity



## Y5 Computing **Computing**

### Computing

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