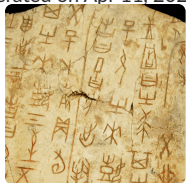


# Reigate Park Primary Academy

## Class plan - Year 5 Cycle A



# Dynamic Dynasties **History**

## Companions

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

## Suggested text

The Willow Pattern Story - Alan Drummond Why Did The Shang Write on Turtles? Dr Maggie's Grand Tour of the Solar System - Maggie Aderin-Popock Greta's Story - Valentina Camerini Greta and the Giants - Zoe Tucker A Climate in Chaos - Neal Layton Biome Geo Facts - Izzi Howell Habitats and Biomes - Nancy Dickman Drawing Landscapes - William F Powell The Impressionists Picture Book - Sarah Courtauld Continents - Harriet Brundle Our World in Pictures: Countries, Cultures, People and Places - Dorling Kindersley

## Memorable experience

Shang Experience Day - One Day Creative

## Innovate challenge

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

## Literacy

To Inform - Biography of Fu Hao (Wk 1-3) To Entertain - Diary of Koong Shee (Wk 4-5) To Entertain - Retell Willow Pattern Story (wk 6-7)  
To Inform - Planets/Craters Non-Chronological Report (Wk 1-3) To Entertain - Setting Description - Sea of Tranquility (Wk 4-5) To Persuade - Letter to stop ruining the planet (Wk 6-7)

## Mathematics

Place Value - numbers to 1000000 Addition and subtraction - mental and written calculation Number - factors and prime numbers  
Multiplication and division - using known facts Geometry - angles Measures - length, perimeter and area Multiplication and division  
Division - 4-digits by 1 digit Fractions and decimals - tenths, hundredths and thousandths Geometry - 2D and 3D shape Statistics - tables and bar charts

## 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

## Computing

Online Safety: Self Image and Identity Online Safety: Managing Online Information Coding Online Safety: Online Relationships

## Religious education

Belief Into Action Christmas

## English

Narrative poems; Biographies; Stories from another culture

## Art and design

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

## 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

Charanga - Livin' On a Prayer Charanga - Classroom Jazz 1

## Physical education

Athletics Improving our Fitness Outdoor Adventurous Activities Invasion Games - Hockey

## Personal, social and health education

Living in the Wider World - Rules and Responsibilities Health and Well-Being - Nutrition and Food



# 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**

## Suggested text

Farm Boy - Michael Morpurgo The Night Hardener - Terry Fan The Boy Who Grew a Forest - Sophia Gholz Life Cycles: everything from start to finish - DK lifecycles The Wonderful World of Food - Wiley Belvins Farm Anatomy - Julia Rothman The Farm that Feeds Us - Nancy Castaldo Mammals Eyewitness - Dorling Kindersley Human Body - Dorling Kindersley Illumanatomy - Kate Davies The Bubble Boy = Stewart Foster What's Happening to Me (Girls/Boys - Usborne

## 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

## Literacy

To Entertain - Diary Entry Farm Boy (Wk1-2) To Inform - Newspaper Report (Wk3-4) To Persuade - Leaflet to DCC to not build on our land (Wk 5-6) To Discuss - Is organic better or not? (Wk 1-2) To Entertain - Setting Description of a Farm (Wk3-4) To inform - NC Report - Human life cycle (w5-6)

## Mathematics

Number - negative number, problem solving Addition and subtraction Division Number - square and cube numbers Fractions - adding and subtracting Geometry - reflection and translation Measures - Mass Addition and subtraction Multiplication and division Fractions Number - Percentages Measures - Capacity Measures - Converting Statistics - line graphs/comparing

## 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

## Computing

Spreadsheets Concept Maps Databases Online Safety: Health, Wellbeing and Lifestyle

## Religious education

Beliefs and Moral Values Easter

## English

Non-chronological reports; Diaries; Leaflets; Balanced arguments

## 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

## 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

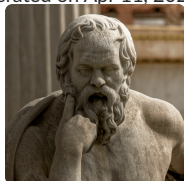
Charanga - Make You Feel My Love Charanga - The Fresh Prince of Bel-Air

## Physical education

Gymnastics Striking and Fielding Games - Cricket Invasion Games - Handball Dance

## Personal, social and health education

Relationships Education - Friendship Health and Well-Being - Drugs, Alcohol and Tobacco



# Groundbreaking Greeks History

## Companions

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

## Suggested text

Who Let the Gods Out? – Maz Evans Mini Greek Myths for Young Children - Heather Amery Illustrated Stories from Greek Myths - Lesley Sims Ancient Greece - DK Eyewitness Ancient Greece - Tim Cooke Geography Matters Ancient Greece - Melanie Waldron Alexandra the Great and the Ancient Greeks - David Gill Playing with Collage - Jeannie Baker Cool Architecture - Simon Armstrong

## 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. Properties and Changes of Materials - Let's investigate focus: Planning and carrying out. Expression - Creating an Expressionist-style painting To Create a Podcast about a Key Idea in Ancient Greece

## Literacy

To Entertain - Retell Greek Myth (Wk1-2) To Entertain - Character Description - Thanatos - Who let the gods out. (Wk 3-4) To Inform - FACT FILE - Hippocrates (wk 5-6) To Inform - Newspaper Report: Greek Myth (Wk1-2) To Entertain - Setting Description/Narrative (Wk 3-4) (Gods book) To Discuss - To compare Greek buildings to modern buildings? (Wk5-7)

## Mathematics

Number Addition and Subtraction Long multiplication and division Fractions Geometry - diagonals and angles Measures - volume, time and money Addition and Subtraction Multiplication and Division Number - decimals and fractions Number - percentages Measures - perimeter, scale and scale drawing Statistics - use tables and line graphs

## 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

## Computing

Game Creator Online Safety: Privacy and Security 3D Modelling Word Processing

## Religious education

Prayer and Worship Beliefs and Practices

## English

Greek myths; Balanced arguments; Playscripts; Odes

## 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

## 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

Charanga - Dancing in the Street Charanga - Reflect, Rewind and Replay

## Physical education

Net and Wall Games - Netball Gymnastics Invasion Games - Football Net and Wall Games - Badminton

## Personal, social and health education

Relationships Education - Solving Problems (including cyber bullying) Health and Well-Being - Health; Physical, Emotional and Mental

