



GIRLS' PREP

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**Year 5**  
**Spring Term 2021**

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“Eureka!” exclaimed  
Archimedes

## Key Texts:

'The Red Tree'

'The Highwayman'

Myths, legends and fables

## Key focus areas for reading and writing:

- Read aloud, increasingly choosing appropriate intonation and expression for the intended audience
- Comment on an author's use of language and its effect on the reader
- Draw inferences such as characters' feelings, thoughts and motives from their actions
- Make comparisons within and across texts
- Use paragraphs to structure writing
- Use a variety of stylistic features for purpose and effect (e.g. specific word choices)
- Describe setting, characters and atmosphere
- Use dialogue to convey character
- Independently proofread writing against success criteria
- Assess effectiveness of a range of writing
- Begin to use a wide range of devices to build cohesion within and across paragraphs (such as fronted adverbials and conjunctions)
- Listen actively to the opinions of others to inform understanding
- Answer a range of comprehension questions, using sufficient detail to justify and explain answers

## Handwriting, Spelling and Grammar:

- Maintain legible, fluent handwriting when writing at efficient speed
- Spell most words from the National Curriculum word list for Years 5 and 6, accurately
- Use a wide range of punctuation (including to show parentheses)
- Use commas to avoid ambiguity (such as lists and clauses)

- Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates
- Compare and order fractions whose denominators are all multiples of the same number
- Count forwards and backwards with positive and negative whole numbers, including through zero
- Interpret negative numbers in context
- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- Draw given angles and measure them in degrees

Show mastery of the above objectives by completing investigations and applying skills in a variety of situations

- Plan and carry out investigations
- Develop understanding of dependent, independent and controlled variables
- Ensure a test is fair by only changing one variable
- Accurate recording and measuring
- Make careful observations
- Recall and use appropriate terminology when working scientifically

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

- Compare and group together everyday materials based on their properties
- Solids, liquids and gases
- Know that some materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution
- Separate mixtures through filtering, sieving and evaporating
- Give reasons, based on evidence from comparative and fair tests, for the uses of everyday materials
- Reversible and irreversible changes

### **We are Surfers**

- Research the Internet and World Wide Web
  - What are they?
  - How do they differ?
- Group work to create a presentation answering key questions:
  - How do Internet searches work?
  - How are results ranked?
  - How can we ensure digital content is accurate?
  - How is data transported?
  - What is copyright?
  - How do we avoid breaching it?
- Collaborate using online shared resources
- Present using combinations of media

### **We are controllers**

- Control physical systems or simulations of these through digital devices
- Use various forms of input and output in programs
- Use logical reasoning to debug programs containing sequence, selection, repetition and variables

## Geography

- Locate Greece and surrounding countries on a map
- Identify major landmarks within Greece and the surrounding areas
- Discuss how Greece's geographical position influenced trade
- Compare the climate of Greece with the UK

## History

- Differentiate between primary and secondary sources
- Develop skills to analyse sources and to determine their credibility
- Understand key vocabulary to locate historical periods on a timeline
- Compare the lives of Ancient Greeks in different social classes
- Appreciate the legacy of the Ancient Greeks and how they have impacted the world today: Science, democracy, philosophy and architecture

## The Orchestra and Journey into Space

### **Performance**

- GarageBand performance of their composition based on a planet

### **Composition**

- Soundscape compositions based on 'The Planets'
- Ostinati inspired by 'Mars, the Bringer of War'

### **Listening/Appraising**

- Gustav Holst's 'The Planets'
- Instruments of the orchestra. Understanding timbre and how different instruments of the orchestra make sound

Central to the unit are the concepts of mood, tempo, dynamics and instrumentation (or timbre) and these are explored through Richard Strauss's 'Also Sprach Zarathustra', which pupils explore in terms of a piece of descriptive music used to describe a 'rocket launch'

## Home Learning

- Be involved in physical activities and challenges to improve endurance, body strength and fitness
- Develop agility, balance and coordination when participating in all sporting activities
- Challenge and extend hand-eye coordination whilst performing correct technique

- Understand and explore scientific elements of Physical Education and how our body works, body awareness and how to look after ourselves through exercise, nutrition and recovery

### When we return to School

#### Netball

- Netball skills including shooting, defending and passing
- Diversity in playing positions and different skills needed to perform successfully in each position
- Play competitive games in a variety of positions; encouraging teamwork

#### Hockey

Continue to work on and develop the following skills:

- Tackling, passing and dribbling
- Be able to slap-pass and hit the ball with power and accuracy within drill and game contexts
- Play in competitive games and work in team situations positively

#### Football

- Develop an understanding of how the game and skills are performed in football
- Dribble and pass the ball with confidence using the correct technique
- Interact in game play situations

#### Gymnastics

- Explore methods of travelling
- Jump and land safely
- Develop a series of rolls
- Individual and paired balances



### Intercultural understanding

Easter traditions in French and Spanish countries

#### Oracy

- Understand the main points of a short, spoken passage made up of a few familiar words and phrases (concerning self, people, time, weather, dates)
- Learn how to say what they do at the weekend in French
- Read short phrases accurately that contain mostly familiar language
- Integrate time and connectives to create longer sentences
- Distinguish gender formation and adjective position in a sentence
- Recall existing phonics and apply phonetical knowledge to new and existing words

#### Literacy

- Write high frequency familiar words from oral vocabulary with understandable spelling
- Change a range of single elements in sentences to create new sentences
- Read and understand a range of familiar written phases
- Recognise and use definite article with abstract nouns

## Art

### Me, Myself and I

- Develop skills in representational drawing
- Develop an understanding of shape, proportion and scale
- Create a realistic self-portrait in pencil

## Drama

### **Skills:**

- Develop thinking skills by exploring characterisation with a focus on myths, legends and historical stories
- Improvisation skills through the medium of freeze-frame, tableau and role-play
- Decision-making and critical thinking skills
- Use of voice for spontaneous expression, being aware of audience and purpose
- Practise using a range of pitch, volume and tone within given scenarios

### **Knowledge:**

- Read picture books, comic strip retellings and graphic novels as a stimulus for characterisation and role-play
- Explore and understand elements of Greek theatre and culture

## PSHCE

### Going for goals

- Personal hopes and intentions
- Making and sustaining friendships
- The importance of relationships
- Different types of friends
- Conflict resolution
- Keeping safe
- Managing anger and other emotions
- Anti-bullying
- Origins of Democracy - links to Ancient Greece
- Rights and responsibilities - sovereignty, government and parliament
- Laws and customs from countries and cultures around the world

- Appreciating our rich racial and cultural diversity
- Concepts of fair and unfair
- Developing opinions and recognising media prejudice

## Philosophy and Religious Studies

### The Role of Worship and the Community

- Understand the importance and some of the key features of worship
- Why and how people use prayer within worship and understand the effect that faith adherents believe prayer has in their lives and the wider world. Focus on the power of prayer
- Understand the importance of the mosque as a centre for the community
- Learn about the features which make a place special and the idea that a special place can be anywhere, including in your mind
- Develop the skills of evaluation and reflection, and identify the range of functions which a mosque fulfils for Muslims today

## Optional Extras

### English:

- Independent reading recorded regularly in logbook
- Weekly spelling practice
- Suggested reading and Book recommendations: Greek myths and other legends (Pandora, King Arthur, Robin Hood etc.)
- *Descriptosaurus – Myths and Legends* – Alison Wilcox
- *Falling Out of the Sky* - poems about Myths and Monsters - edited by Rachel Piercey & Emma Wright
- *Who Let the Gods Out?* series by Maz Evans
- *Orphans of the Tide* by Struan Murray
- *DeepLight* by Frances Hardinge
- *Robin of Sherwood* by Michael Morpurgo
- *Tales of the Greek Heroes* by Roger Lancelyn Green
- *Percy Jackson Heroes of Olympus* series by Rick Riordan
- *The Girl of Ink and Stars* by Kiran Millwood Hargrave
- *The Legend of Podkin One-Ear* series by Kieran Larwood
- *Myths & Legends* retold by Anthony Horowitz
- *The Phoenix of Persia* by Sally Pomme Clayton and Amin Hassanzadeh Sharif
- *Tales from Outer Suburbia* by Shaun Tan
- *Myth Match* by Good Wives and Warriors
- *Mythopedia* by Good Wives and Warriors

### Maths:

- Times Tables Rock Stars website on a regular basis. The expectation is that the girls will complete 10 minutes (minimum) each week
- Athletics – can they reach gold or platinum?

### Humanities:

- Visit the British Museum website, particularly the Greek section [www.britishmuseum.org](http://www.britishmuseum.org)
- Create a presentation/poster on an aspect of Ancient Greece (daily life, religion, great thinkers, etc.)
- Build a model of a Trireme
- Write a diary entry as a child living in Ancient Greece or Sparta. Think about how life would be similar and different to life today.

### Science:

#### Materials:

- Notice what familiar objects are made of – are those materials natural or manmade?
- Optional activities to find out more about the properties of salty water.  
<https://pstt.org.uk/application/files/6115/8633/7142/3. EGG-CITING SCIENCE.pdf>  
<https://www.wildlifetrusts.org/why-sea-salty-and-why-sea-blue>  
<https://www.nhm.ac.uk/discover/quick-questions/why-is-the-sea-salty.html>
- Do solids dissolve in different liquids? Experiment with a range of liquids to find the answer.
- Optional further activities to explore separating mixtures.  
<https://www.youtube.com/watch?v=sgRnDK4CFX4>  
<https://pstt.org.uk/resources/curriculum-materials/Science-Fun-at-Home>
- Optional activities to find out more about how chocolate is made or to try making chocolate ice cream.  
[https://www.youtube.com/watch?v=OnE\\_84GtPdU&list=PLg7f-TkW11iV563gfcXjRlafm2jlkIQOc&index=12&t=0s](https://www.youtube.com/watch?v=OnE_84GtPdU&list=PLg7f-TkW11iV563gfcXjRlafm2jlkIQOc&index=12&t=0s)  
<https://www.youtube.com/watch?v=-JcNMN0uvvE>
- Do some baking (or boil an egg) and discuss this as an irreversible change
- Research scientists who have developed new or improved materials and how they can be used to improve our lives in some way. Scientists such as: Ruth Benerito, Madam C.J. Walker, Spencer Silver, Leo Baekeland, Harry Brearly
- Create a presentation about a scientist to share with the class

### Art:

- Pupils can refer to the stretch and challenge list for this project uploaded to the art area on Showbie.