Core

English

Contemporary Novel: Percy Jackson and the Lightning Thief

Knowledge Concepts

- **Texts are constructs:** Understand how Mythological narratology is interpreted in a modern text. Understand how character is created through the key themes of identity and self-discovery, friendship and loyalty, the hero's journey and good versus evil.
- **Texts make use of patterns, all of which conveyed through language and structure:** Identify and explain how the following devices imply meaning: interrogative, imperative, declarative, exclamative, analogy.
- **Texts are informed through contexts in which they are written:** To know how a contemporary writer utilises, transforms and blends mythological myths in an accessible manner.
- **Every text is an argument- texts can influence us**,
  Sentence 1: Construct personal viewpoints in the form of thesis statements.
  Sentence 2: Focus on the effects of the whole text and controlling ideas.
  Sentence 3: Use the thesis statement to create topic sentences.
  Sentence 4: Select and embed relevant textual detail.
- **Reader's construct meaning as they read (Reciprocal Reading)** summarise how Percy Jackson reflects ideas about struggles and challenges, belonging and identity, injustice and corruption and environmental awareness.

Mathematics

Lines and Angles

- Use a protractor to measure and draw angles
- Recognise acute, obtuse and reflex angles
- Estimate the size of angles
- Describe and label lines, angles and triangles
- Identify angle and side properties of triangles
- Use a ruler and protractor to draw triangles accurately
- Use the rules for angles on a straight line, angles around a point and vertically opposite angles
- Solve problems involving angles
- Use the rule for the sum of angles in a triangle
- Calculate interior and exterior angles
- Solve angle problems involving triangles
- Use angles in triangles to solve problems involving other shapes made up of triangles
- Identify and name types of quadrilaterals
- Use the rule for the sum of angles in a quadrilateral
- Solve angle problems involving quadrilaterals
- Use angles in quadrilaterals to solve problems involving other shapes made up of quadrilaterals

Sequences and Graphs

- Recognise, describe and continue number sequences
- Generate terms of a sequence using a one-step term-to-term rule
- Find missing terms in a sequence
- Find patterns and rules in sequences
- Describe how a pattern sequence grows
- Write and use number sequences to model real-life problems
- Generate and plot coordinates from a rule
- Solve problems and spot patterns in coordinates
- Find the midpoint of a line segment
- Describe and continue special sequences
- Use the term-to-term rule to work out more terms in a sequence

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- Recognise an arithmetic sequence and a geometric sequence
- Recognise, name and plot graphs parallel to the axes
- Recognise, name and plot the graphs of $y = x$ and $y = -x$
- Plot straight-line graphs using a table of values
- Draw graphs to represent relationships
- Generate terms of a sequence using a position-to-term rule
- Use linear expressions to describe the nth term of simple sequences

Science
Biology
Chemistry
Physics

7L Sound (WAV)
- Describe how sounds are produced.
- Describe properties of sounds.
- Compare speed of sound in different media.
- Describe the structure & function of parts of the ear
- Compare different types of waves.

Skill -Draw and label a soundwave. Identify a range of sounds and describe pitch and volume related to frequency.

Tier 3 vocabulary: Oscillate, Amplitude, Frequency, Pitch, Vacuum, Hertz, Wavelength, Absorb, Reflect, Transmit.

7E Mixtures and separation (MAT)
- Recall the terms, solute, solvent and solubility.
- Select appropriate separation technique from properties of the mixtures.

Skill -Separate substances using the practical techniques filtering, evaporation, chromatography and distillation.

Tier 3 vocabulary: Matter, Evaporation, Condensation, Distillation, Chromatography

7D Ecosystems (ECO)
- Identify variations within species.
- Explain how adaptations in organisms affects survival
- Recall some innate & learned behaviours.
- Describe relationships using food webs.

Skill -Construct a food chain, food web & pyramid of number & biomass.

Tier 3 vocabulary: Species, Hybrid, Variation, Population, Biomass

World

History

How did the Renaissance change the way that people think?
- Leonardo Da Vinci, Artists Renaissance Medicine, Exploration, Shakespeare, The Witch Craze.
- Describe different aspects of the Renaissance- explorers, artists, medical advancements.
- Explain the change of ideas in Renaissance Europe.
- Assess the impact of new ideas / discoveries during the Renaissance.

Geography

What are Asia's opportunities and Challenges?
- Identify key features of Asia's diverse physical landscape, climate, environments, population distribution and economy.
- Assess how Asia is a continent of dynamic change.
- Explain the changing relationship between Asia and the rest of the world.
- Case Study – Monsoons in India – explain the reasons for Monsoons in India.
- Case study – tourism in Thailand - assess the social, economic and environmental impacts of tourism in Thailand.

Students will know:
- That Asia is undergoing different forms of human development.

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	• That different countries have different experiences of development. • That development in Asia affects the physical environment.
Spanish	**Theme 1: Topic 2** **7.8 Breakfast** • Present tense conjugation of '*comer*' and '*beber*'. Use of time phrases to discuss what you eat and drink and when. • Use of opinion phrases and dual verb opinion phrases. • Use of '*porque*' to justify our opinions. **Theme 2: Topic 1** **7.9 Weather** • Introduction of the verb '*hacer*' to describe the weather in Spanish. Use of '*cuando*' and '*si*' to express what we do in different weather conditions (retrieval of sports and hobbies). • Retrieval of the modal phrase: '*se puede.*'
Philosophy and Ethics	**Where Do People Look for God?** • Prayer – is it possible to communicate with God? Muslim, Christian & Hindu prayer – how they pray, the purposes. • Why do religious people go on pilgrimage, with a focus on Christian, Muslim, and Hindu pilgrimages? • Causation – how does this lead to belief in God? **What Makes Me, Me?** • Identity – what factors have influenced my identity? (For example, friends, family, school, media) • What our human rights are, and which ones the students think are most important for life in the UK. • Do I identify as religious? What evidence do I have for my belief?
ARRK Lessons **Core Values:** **A**spirational **R**esilient **R**espectful **K**ind	**Rights and British Values - Politics & Parliament** • To understand the impact politics has on everyday life • To be able to describe the make-up of parliament • To know the role of the Prime Minister • To understand the makeup of our Monarchy and King Charles III • To understand the line of succession • To understand elections and campaigning • To evaluate the importance of exercising your right to vote • To name the main parties that represent the UK in Parliament

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Technical

Design Technology
Food
Textiles
Resistant Materials

During this period Year 7 learners will cover the following topics in Design technology:
- Analysis of a design brief
- Understand the benefits of a design specification
- Safe use of basic tools and equipment within the workshop, including coping saw, abrasive paper, and heat press.
- Food Hygiene and safety
- Bacteria growth
- Design Technologies impact on the environment and the responsibilities of designers
- Safe use of basic textiles tools and equipment
- Setting up and safe use of a sewing machine.

Computer Science

7.3 Scratch
- What does scratch allow us to do?
- How can scratch be useful?
- Students will learn how to create programs in scratch and learn the logical way of working out problems to complete specific challenges.

Performance

Art

Visual Elements of Art: Tone/Colour.
Exploring how tone/colour can be used to enhance the impact and meaning of an artwork.

Tasks covered include.
- Realistic (drawing)
- Surrealistic (collage)
- Subtractive (drawing)
- Chiaroscuro (drawing)
- Colour tone (painting)

Students will explore a minimum of two tasks from the above list.

Music

Keyboard skills incorporating pitch notation.
- Learners will learn to read music notation and develop keyboard skills.
- Topics/Skills covered in keyboard skills and notation include:
- To read the notes on the treble clef.
- To understand what the notes on the keyboard are and be able to identify them correctly.
- To be able to play melodies with the correct fingers and technique.
- To understand how notation correlates to the keyboard by learning a selection of pieces.
- To develop aural skills and learn a piece by ear

Physical Education

Knowledge and understanding
Mental Benefits Students will gain an insight to and an understanding of the benefits that PE can have on their mental & emotional health.

Emotions and Activity
Students will develop a better understanding of their own emotions and analyse when these emotions might change based on different situations and scenarios.

Motivation
Intrinsic Motivation
Students will understand intrinsic motivation and the positive benefits of being intrinsically motivated.

Setting Goals
Students will continue to develop and demonstrate the tools required to set meaningful and impactful goals.

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