

Geography **Biomes: Rainforests and deserts**

- Extend their locational knowledge and deepen their spatial awareness of the world’s countries using maps of the world to focus on Africa, Russia, Asia (including China and India), and the Middle East, focusing on their environmental regions, including polar and hot deserts

Computing

- A Understand the hardware and software components that make up computer systems, and how they communicate with one another and other systems.
- Understand how instructions are stored and executed within a computer system;
- Understand a range of ways to use technology

History **British Empire**

- What was the British Empire?
- Why did the British become Empire builders?
- Britain: Winning or losing the Empire
- India: The “Jewel in the Crown”
- Why did the British Leave India in 1947?
- Taking Australia: Adventure or invasion?

PE

Cricket

- Catching Throwing
- Batting adv, Bowling spin, seam swing
- Fielding strategy

Athletics

- Track events 100m, 200m, 800m, 1500m, 4 x 100 relay
- Field - triple Jump , Metal Javelin

Citizenship

- Campaigns – learning about local, national and global campaigns
- Creating a campaign as a group

PHSE **Careers & Life Skills**

- Leadership & aiming high
- Adaptability & Problem solving
- Listening & presenting
- Creativity & Resilience

Design Technology – Food Technology

- Food hygiene and kitchen safety.
- Methods of food preparation: Peeling, slicing, dicing, mixing, dough making.
- Methods of cooking: frying, simmering, baking.
- Bread making and function of bread ingredients.

French **Les vacances**

- Talking about past, present and future holiday using threetime frames
- Complex sentences
- Using varied connectives and opinions

Year 8 Summer 1

Science

Genes: Evolutions & Inheritance

- Natural selection is a theory that explains how species evolve and why extinction occurs.
- Use evidence to explain why a species has become extinct or adapted to changing conditions.
- Predict and explain the changes in population over time due to natural selection.

Waves: Wave Properties & Wave effects

- Name some waves of the electromagnetic spectrum
- Name the electromagnetic wave with the biggest wavelength
- Name an electromagnetic wave that can be harmful to living cells.
- Define ‘transverse’
- Describe a model of a light wave

Art **Lino Carving/Printing**

- Understanding of process and printing and carving multiple times
- Developing colour knowledge (ink)
- Looking to nature for inspiration
- Reflecting on process continuously

Music

- Play riff and 12 bar blues (Green Onions)
- Write and play major scales
- Form major and minor chords and play them on the keyboard
- Play perfect and plagal cadances.

English **Transition Exam Preparation**

- Preparation for the Year 8 Transition Exams. Understand the format of the exam papers.
- Develop confidence in the relevant reading and writing skills needed for the exams.
- Communicate clearly, effectively and imaginatively, selecting and adapting tone, style and register for different forms, purposes and audiences.
- Analyse the language, form and structure used by a writer to create meanings and effects, using relevant subject terminology where appropriate.

Maths **Developing Geometry**

- Understand and use basic angle rules and notation
- Investigate angles between parallel lines and the transversal
- Identify and calculate with co-interior, alternate and corresponding angles
- Solve complex problems with parallel line angles
- Construct triangles and special quadrilaterals
- Identify and calculate with sides and angles in special quadrilaterals
- Understand and use the properties of diagonals of quadrilaterals
- Understand and use the sum of exterior angles of any polygon
- Calculate and use the sum of the interior angles in any polygon
- Prove simple geometric facts (H)
- Construct an angle bisector (H)
- Construct a perpendicular bisector of a line segment (H)
- Calculate the area of triangles, rectangles and parallelograms
- Calculate the area of a trapezium
- Calculate the perimeter and area of compound shapes
- Calculate the area of a circle and parts of a circle
- Recognise line symmetry
- Reflect a shape in a horizontal, vertical and diagonal line

R.E **Buddhism**

- Life of Siddartha Gautama
- The Four Sights & Enlightenment
- Life as a Buddhist
- The Vihara