CURRICULUM OVERVIEW YEAR 6

Reading

- Foster a love of reading through being read to and reading a wide variety of texts.
- Discuss, compare and explain, with reasoned justifications, reading choices
- Summarise key points and themes
- Hone skills of inference supported with evidence
- Identify how features of language and structure contribute to meaning

English

Writing

- Develop confidence in applying spelling strategies within the context of a quality text
- Develop fluent and personal handwriting style,
- Become independent in planning writing, adapting for purpose and audience
- Establish tone and register when writing through descriptive language and cohesive structure.
- Apply grammatical knowledge consistently to impact the reader

Grammar & Punctuation

- Manipulate verb forms for effect, including subjunctive and passive forms
- Use Parenthesis accurately
- Use a full range of punctuation to clarify and convey ideas

Speaking & Listening

- Articulate ideas and knowledge through questioning
- Use language appropriately to speculate, hypothesise and collaborate.

Art & Design

- Learn about great artists, sculptors and architects to inform own artwork and style
- Use sketchbooks to collect, record, review, revisit and evaluate ideas
- Improve mastery of techniques in sketching and perspective, watercolour and tone of colour, portraits and proportion
- Share, evaluate and celebrate our achievements in galleries

Physical Education

- Use running, jumping, catching and throwing in isolation and in combination
- Play competitive games focusing on co-operation, motivation and supportive teamwork
- Use feedback to create a series of movements which develop control and flexibility through a cultural dance
- Take part in outdoor challenges and adventurous activities as part of the residential trip
- Understand how each activity contributes to overcoming barriers and achieving a personal best

History

- Reflect on the chronology of the Tudor period.
- Consider the significance to Britain of world exploration in this period
- Develop independent research skills through enquiry-based learning about the Mayan civilisation and culture

Number & Calculations

- Secure place value and rounding to 10M including negative numbers
- Written methods for 4 operations including x/÷
- Identify factors, multiples and primes
- Solve multi-step number problems

Algebra

- Introduce simple use of unknowns
- Be able to describe patterns using algebraic formulae

Mathematics

Geometry & Measure

- Confidently use a range of measures and conversions
- Find area of triangles and parallelograms
- Use area and volume formulae
- Classify 2D and 3D shapes by properties
- Know and apply rules of angles
- Translate, rotate, reflect shapes using all four quadrants

Statistics and Data

- Analyse and create pie chart
- Calculate mean averages

Fractions

- Compare and simplify fractions
- Use equivalents to add and subtract fractions
- Multiply simple fractions
- Divide fractions by whole numbers
- Solve problems involving fractions of amounts and of shapes
- Solve problems using decimals and percentages
- Use written division to 2 decimal places
- Apply ratio and proportions

Design & Technology

- Use research criteria to develop products which are fit for purpose and focused on the end user
- Evaluate existing products to improve designs
- Use annotated sketches to aid design
- Develop textile and sewing skills in a cross-curricular context
- Work collaboratively to learn new cooking methods to create a banquet to reflect a period of History

Computing

- To become independent in the safe use of the internet and online communication
- Be discerning in evaluating digital content
- Design and write programmes to solve problems
- Use sequences and repetition, inputs, variables and outputs in programmes using python programming (Rapid Router) and Excel spreadsheets
- Detect and correct errors in programmes
- Understand uses of networks for collaboration and communication

Music

- Perform with control and expression both solo and in ensembles
- Improvise and compose using dimensions of music
- Listen to detail and recall aurally
- Use and understand the basics of staff notation
- Develop and understand the history of music including great musicians and composers – modern rap – Will Smith; Baroque - Vivaldi

Biology

- Classification including micro-organisms
- Health and lifestyles, in particular circulatory system in animals including humans
- Evolution and adaptation

Science

Chemistry

- In preparation for Year 7 Science, conduct experiments and in Chemistry, explore acids and alkalis as well as make universal indicator. (In Physics, conduct experiments to investigate the forces involved in exploding canisters. In Biology, dissect a sheep's internal organs.)

Physics

- Light and shadows
- Study of how the eye works
- Investigating electric circuits and circuitry; explore and understand how static electricity is formed and how it links to lightning

Scientific Enquiry

- Report data and record measurements taken using scientific diagrams, classification keys, a variety of graphs
- Make predictions to test hypotheses
- Make suggestions to answer further questions
- Report and present findings and conclusions
- Identify relationships between variables
- Generate evidence to support or refute ideas
- Identify, classify and describe

Modern Languages

- Listen and engage in conversation sharing ideas, expressing opinions and describing people and places
- Present information speaking in simple sentences and be understood, developing appropriate pronunciation
- Show an understanding of phrases in simple reading
- Adapt known language to create new ideas
- Understand basic grammar such as gender

Geography

- Name and locate The Philippines, Wales and Swindon in relation to continents, oceans, seas, regions and countries
- Identify location based on lines of longitude and latitude and in relation to the Equator and the Tropics
- Study The Philippines and compare and contrast with Swindon and Wales , using field work in Pencelli to describe that area
- Through this study, understand biomes, vegetation belts, land use, economic activity and distribution of resources
- Use 4 and 6-figure grid references and understand the 16 compass points

RE

- Is it better to express your beliefs in arts and architecture or in charity and generosity? This is considered through a study of Sikhism
- Are The Creation and the Science of Evolution conflicting or complementary?
- What matters most to Christians and Humanists? This is based on an in-depth consideration of Humanism.
- What do religions say to us when life gets hard? In particular, the impact of death is explored.