# Curriculum Overview for Year 6 ~ Summer Term 2019

desian

<u>Design</u>

Make

model and communicate ideas.

Evaluate

PSHE &

materials & components.

• Select from and use a wider range of tools, equipment,

## English

### Reading

- Apply knowledge of root words, prefixes and suffixes, to understand the meaning of new words.
- Maintain positive attitudes to reading by: reading and discussing a wide range of texts;
- o recommending books to peers, giving reasons for choices:
- conventions.
- Understand what is read by:

Consolidation of autumn

**Ratio and Proportion** 

and spring term

objectives.

solving.

Science

Light

- o asking questions;
- drawing inferences and justifying with evidence; o summarising the main ideas, identifying key details;
- identifying how language, structure and presentation contribute to meaning.
- Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader

• Distinguish between homophones and other words which are often confused. • Confidently use a dictionary and thesaurus.

- o identifying, discussing and comparing themes and Identify the audience for, and purpose of, writing,
  - selecting the appropriate form. • Note and develop initial ideas.

Spelling and Writing

• Spell words with 'silent' letters.

• Describe settings, characters and atmosphere and the action.

Reading and writing in a range of fiction and non-fiction genres linked to our topic.

- Build cohesion within and across paragraphs. • Ensure the consistent and correct use of tense
- throughout a piece of writing.

# **Mathematics**

- <u>Algebra</u>
- Generate and describe linear number sequences.
- Express missing number problems algebraically.
- with open-ended investigations and problem
  - two unknowns. • Identify possibilities of combinations of two variables
- Solve problems involving the calculation of percentages and the use of percentages for comparison.

using multiplication and division facts.

Preparation for transition into Year 7

• Solve problems involving similar shapes where the scale factor is known or can be found.

Explain that light travels from light sources to our eyes.

• Solve problems involving the relative sizes of two

quantities where missing values can be found by

 Solve problems involving unequal sharing and grouping, using knowledge of fractions and multiples

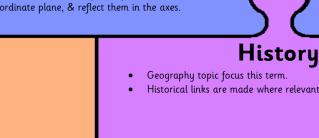
- Use simple formulae.
- Find pairs of numbers that satisfy an equation with

### Statistics

- Interpret and construct pie charts and line graphs
- and use these to solve problems. • Calculate and interpret the mean as an average.

### Geometry - Position and Direction

- Describe positions on the full coordinate grid (all four auadrants).
- Draw and translate simple shapes on the coordinate plane, & reflect them in the axes.





### Animals, including Humans

Template created by Michael Tidd 2013

Recognise how light travels.

Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function

Describe the ways in which nutrients and water are transported within animals, including humans

- Vocabulary, Grammar and Punctuation • Recognise vocabulary and structures that are
- Use a wide range of prefixes and suffixes accurately. Use passive verbs to affect the presentation of information in a sentence.
  - Use expanded noun phrases to convey complicated information concisely.
  - Use modal verbs (e.g. would, might,
  - Use relative clauses beginning with 'who', 'which',
  - throughout written work (including commas,
- can) or adverbs to indicate degrees of possibility.
- where', 'when', 'whose' and 'that'.
- hyphens, brackets, dashes, semi-colons and colons)

- integrate dialogue to convey character and advance Use a range of higher-level punctuation accurately
- Ensure correct subject and verb agreement.
- Proof-read for spelling and punctuation errors.

- Geometry Properties of Shape • Draw 2-D shapes using given dimensions and
- angles. • Recognise, describe and build simple 3-D shapes,
- Compare and classify geometric shapes based on their properties and sizes.
- Find unknown angles in any triangles, quadrilaterals, and regular polygons.
- radius, diameter and circumference and know that
- Recognise angles where they meet at a point, are
- opposite, and find missing angles.

including making nets.

- Illustrate and name parts of circles, including
  - the diameter is twice the radius.
- on a straight line, or are vertically
  - Changes:
    - Myself and My Relationships Managing Change. Healthy and Safer Lifestyles – Sex and Relationships Education

Art & Design

experimentation and an increasing awareness of different kinds of art, craft and

Artist Focus: Julian Opie

Structures made from recycled materials

**Design & Technology** 

• Use research & develop design criteria to inform the design of products that are

fit for purpose, aimed at particular individuals or groups. Generate, develop,

• Investigate a range of existing products.

• Evaluate ideas & products against own design

criteria. Consider the views of others to make improvements

Citizenship

Education

collaborating and competing

Develop techniques, including control and use of materials, with creativity,

• Use sketch books to record observations and to review and revisit ideas.

• Learn about great artists, architects and designers in history.

and sculpture with a range of materials.

• Improve mastery of art and design techniques, including drawing, painting

### Physical

- Enjoy communicating, with others during P.E.
- Develop an understanding of how to improve in different physical activities & sports, learning how to identify & evaluate success.
- Play competitive games and apply basic principles suitable for attacking and defending
- Develop flexibility, strength, technique, control and balance.
- Compare own performances with previous ones and demonstrate improvement to achieve personal best.
- Take part in outdoor and adventurous activity challenges.

Athletics, Rounders, Cricket.

### Computing

• Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating diaital content
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify ways to report concerns about content & contact.

• Design, write and debug programs, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.

• Use sequence, selection and repetition in programs; work with variables and various forms of input and output.

### Geography

Describe and

physical geography, rivers, rock formations and the water cycle.

understand key aspects of including: climate zones,

Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.

Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

Use four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world.

Focus on Climate Change

## Music

•

• Play and perform in solo and and playing musical

accuracy, fluency, control and expression.

- Improvise and compose music for a range of purposes using the inter-related dimensions of music
- Listen with attention to detail and recall sounds with increasing aural memory.

Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians

• Use and understand staff and other musical notations.

Year 6 end of year production.

# Religious

• Learn about what Understand the key prayer, in different



ensemble contexts, using voices

instruments with increasing

Education

worship means to a believer. features of worship, including religions

Identify the importance of community and the responsibilities that religious groups have, living within the wider community.

## Languages - French

Develop an understanding of aspects of French culture by investigating Bastille Day, whilst making use of their vocabulary and grammatical knowledge.