Curriculum Overview for Year 6 ~ Summer Term 2016 (Islands and Independence)

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:
- o identifying, discussing and comparing themes and Confidently use a dictionary and thesaurus. conventions
- Understand what is read by:

Consolidation of autumn

Ratio and Proportion

and spring term

objectives.

solving.

comparison.

multiples.

- askina auestions:
- drawing inferences and justifying with evidence;
- o summarising the main ideas, identifying key details:
- o identifying how language, structure and presentation contribute to meaning.

Preparation for transition into Year 7

with open-ended investigations and problem

• Solve problems involving the relative sizes of two

quantities where missing values can be found by

• Solve problems involving similar shapes where the

using multiplication and division facts.

scale factor is known or can be found.

• Solve problems involving the calculation of

percentages and the use of percentages for

• Solve problems involving unequal sharing and

grouping, using knowledge of fractions and

• Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader.

Reading and writing in a range of fiction and non-fiction genres linked to our class reader, Kensuke's Kingdom.

Spelling and Writing

- Use a wide range of prefixes and suffixes accurately. information in a sentence. • Spell words with 'silent' letters. • Distinguish between homophones and other words
- which are often confused.
- Identify the audience for, and purpose of, writing,
- selecting the appropriate form.
- Note and develop initial ideas.
- Describe settings, characters and atmosphere and integrate dialogue to convey character and advance
 - the action. • Build cohesion within and across paragraphs.
 - Ensure the consistent and correct use of tense
 - throughout a piece of writing.
 - Ensure correct subject and verb agreement.
 - Proof-read for spelling and punctuation errors.

Mathematics

<u>Algebra</u>

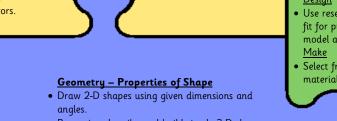
- Use simple formulae.
- Generate and describe linear number sequences.
- Express missing number problems algebraically.
- Find pairs of numbers that satisfy an equation with two unknowns.
- Identify possibilities of combinations of two variables

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 quadrants).
- Draw and translate simple shapes on the coordinate plane, & reflect them in the axes.
 - History
 - Geography topic focus this term.
 - Historical links are made where relevant, e.g. the ancient civilization on Faster Island



Vocabulary, Grammar and Punctuation

• Recognise vocabulary and structures that are

appropriate for formal speech and writing.

• Use expanded noun phrases to

concisely.

convey complicated information

• Use modal verbs (e.g. would, might

'where', 'when', 'whose' and 'that'.

• Use passive verbs to affect the presentation of

can) or adverbs to indicate degrees of possibility.

• Use relative clauses beginning with 'who', 'which',

• Use a range of higher-level punctuation accurately

hyphens, brackets, dashes, semi-colons and colons)

throughout written work (including commas.

- Recognise, describe and build simple 3-D shapes, including making nets.
- Compare and classify geometric shapes based on their properties and sizes.
- Find unknown angles in any triangles, quadrilaterals, and regular polygons.
- Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.
- Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.

Art & Design

- Develop techniques, including control and use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design. • Use sketch books to record observations and to review and revisit ideas. • Improve mastery of art and design techniques, including drawing, painting
- and sculpture with a range of materials. • Learn about great artists, architects and designers in history.

Island artwork using a variety of mediums. Pallant House project.

• 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.

Design & Technology

- <u>Design</u> • Use research & develop design criteria to inform the design of products that are fit for purpose, aimed at particular individuals or groups. Generate, develop, model and communicate ideas.
- Select from and use a wider range of tools, equipment, materials & components.

Evaluate

- Investigate a range of existing products.
- Evaluate ideas & products against own design criteria. Consider the views of others to make improvements

Island Model project

PSHCE &

Physical

• Enjoy communicating,

defending

with others during P.E.

Independence and secondary school transition preparation.

• Changes - Puberty.

Growing Up.



- Play and perform in solo and and playing musical accuracy, fluency, control and expression.
- 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.

Education

- collaborating and competing

•

- 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
- 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, Tennis.

• Use test results to make predictions to set up further comparative & fair tests. displays and other presentations.

arguments.

Electricity

- Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.
- Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.
- Use recognised symbols when representing a simple circuit in a diagram.

Science

Working & Thinking

- Plan different types of questions, recognising and
- controlling variables if necessary. • Take measurements, using a range of scientific equipment, with increasing
- accuracy and precision, taking repeat readings when appropriate. • Record data and results of increasing complexity using scientific diagrams and
- labels, classification keys, tables, scatter graphs, bar and line graphs.

Scientifically

scientific enquiries to answer

- Report and present findings from enquiries in oral and written forms such as
- Identify scientific evidence that has been used to support or refute ideas or

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.

Geography

- Describe and physical geography,
 - rivers, rock formations and the water cycle.
- understand key aspects of including: climate zones,

ensemble contexts, using voices

instruments with increasing

- 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

Study of Easter Island & map skills.

Music

- 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.
 - Year 6 end of year production.

Religious How is faith expressed • Learn some of the ways in

are used to express aspects

Education through the arts?

which music, art and drama of faith in different religions.

Languages - French

Understand and use basic grammar including gender, high-frequency verb conjugation and key features of the French language to build sentences using their knowledge of English as a comparison. Immerse themselves in authentic language on a French DVD.