Curriculum Overview for Year 5 Autumn 2018 CH topic - Ice Worlds

Reading

- Read and discuss a broad range of genres and texts Identify and discuss themes Make recommendations to others Draw inference and make predictions Discuss author's use of language Retrieve and present information from non- fiction texts Ice Trap novel Drama To develop skills of characterisation
- To develop improvisation skills

Number/ Calculation Negative numbers-

- Arctic- in context comparison between temperatures with Reigate Secure place value to 1,000,000 Use Roman numerals to 100(M) Use standard written methods for all four operations Confidently add and subtract mentally Use vocabulary of prime, factor and multiple
- Multiply and divide by powers of ten Use square and cube numbers

Science

Chemistry- Classify materials according to properties Understanding mixtures and solutions Know about reversible/ irreversible changes Investigate materials for solubility- elephant's toothpaste Investigate glo - sticks

Stem

QR Codes Lego robotics

English Writing

Plan writing to suit audience and purpose Develop character, setting and atmosphere in narrative Use organisational and presentational features **Proof read** Spelling Proof read and assess own work Set own targets Legible fluent handwriting

Mathematics

Geometry and Measures Convert between different units

- Calculate perimeter of composite shapes and areas of rectangles
- Estimate volume and capacity Identify 3d shapes Measure and identify angles Understand regular polygons Reflect and translate shape Data

Interpret tables and line graphs Solve questions about graphs

Combined Humanities (Ice Worlds)

Understand latitude and longitude, equator, time zones, tropics and polar circles Understand land use, ice and glaciers Explore global warming/ climate change

> Planning a polar expedition Shackleton's drama workshop

Chronology

To research famous Polar explorers Investigating primary and secondary sources Penguin IT presentations and debate

Develop use of commas, verbs, auxiliary and modal Clauses and advanced punctua Personification

Speaking and Listening

Grammar

viewpoints

Fractions

numbers

fractions

Give well structured explanations **Command of Standard English** Consider and evaluate different

Compare and order fractions

Write decimals as fractions

Add and subtract fractions with

common denominators and mixed

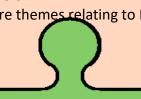
Order and round decimal numbers

Link percentages to decimal and

Art & Design

Using sketch books to collect, record, review, revisit and evaluate ideas Improve techniques such as drawing, painting and sculpture with varied materials Learn about great artists, architects and designers

Explore themes relating to Ice Worlds



Design & Technology

Use research and criteria to develop products which are fit for purpose and aimed at specific groups Use annotated sketches, cross-section diagrams and computer aided design Analyse and evaluate existing product and improve own work

being

Use mechanical and electrical systems in own products

MFL

Telling the time Days of the week and months of the year Speak in simple language & be understood Develop appropriate pronunciation Present ideas and information orally Show understanding in simple reading Adapt known language to create new ideas Understand basic grammar e.g. gender

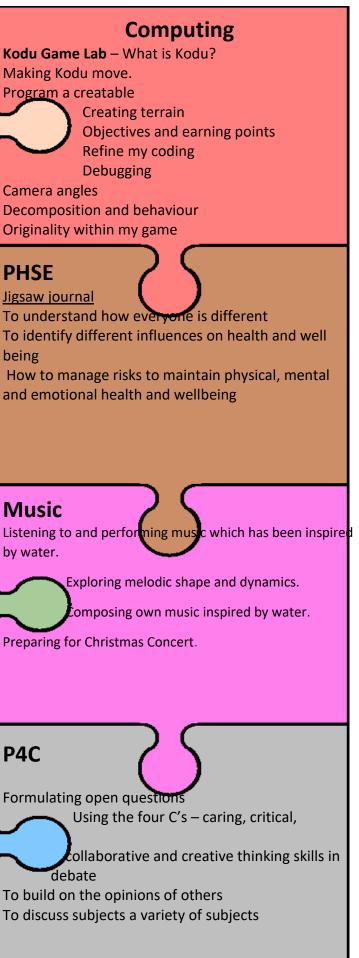
Physical

Education Play competitive games- Hockey, Netball,

Rugby and Football extending tactical skills appropriately Develop control in gym and Swimming Modern dance

P4C





www.primarycurriculum.me.uk