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 Drama

To develop skills of characterisation To develop improvisation skills

Number/ Calculation

Arctic- in context comparison

Secure place value to 1,000,000

Use Roman numerals to 100(M)

Confidently add and subtract

Use square and cube numbers

between temperatures with Reigate

Use standard written methods for all

Use vocabulary of prime, factor and

Multiply and divide by powers of ten

Negative numbers-

four operations

mentally

multiple

Science

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

Grammar

Develop use of commas, verbs, clauses and advanced punctuation

Speaking and Listening

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

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

Chronology

Fractions

Compare and order fractions Add and subtract fractions with common denominators and mixed numbers

Write decimals as fractions Order and round decimal numbers Link percentages to decimal and

fractions

MFL

Engage in conversations, expressing opinions 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 Describe people, places and things 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

Computing

Robots, understanding cause and effect Algorithms and controlling motors



Debugging

Using a sensor with an algorithm Solve a problem

Design & Technology

Art & Design

Improve techniques such as drawing,

Learn about great artists, architects and

Explore themes relating to Ice Worlds

revisit and evaluate ideas

designers

Using sketch books to collect, record, review,

painting and sculpture with varied materials

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 products nd improve own work

Use mechanical and electrical systems in own products

PSHEE

To identify bullying and know that is wrong and hurtful. To explore the difference between direct and indirect bullying. To know how to support children who are being bullied.

To recognise some of the reasons why children may bully others To face new challenges positively and set personal goals.

To understand how democracy and having a voice benefits the

To make choices about my behaviour and understand how an individual's behaviour can impact on a group.

Music **Ethnic Music**

Listen to identify, sing and play music from around the world

Identify some of the instruments used in Ethnic music

Further develop aural and notation skills

Play, sing and rehearse increasingly challenging music and songs towards a concert

Chemistry- Classify materials according to properties Understanding mixtures and solutions Know about reversible changes: identify irreversible

Borax snowflakes and separating materials Investigating insulators- Baked Alaska

Stem

Combined Humanities (Ice Worlds)

Understand latitude and longitude, equator, time zones, tropics and polar circles Understand land use

Explore global warming/ climate change Planning a polar expedition

To research famous Polar explorers

Formal IT presentations and debate

Investigating primary and secondary sources

P4C

Formulating open questions

Using the four C's – caring, critical,

collaborative and creative thinking skills in debate

To build on the opinions of others To discuss subjects a variety of subjects

Template adapted by Jacqui Beglan 2018