### Carleton House Curriculum Overview for Year 5

#### Reading

- Apply knowledge of morphology & etymology when reading new words
- Reading & discuss a broad range of genres & texts
- Identifying & discussing themes
- Make recommendations to others
- Learn poetry by heart

Number/Calculation

Secure place value

all four operations

Confidently add & subtract

to 1,000,000

- Draw inference & make predictions
- Discuss authors' use of language
- Retrieve & present information from non-fiction texts.
- Formal presentations & debates

• Use negative whole numbers in

Use Roman numerals to 1000 (M)

• Use standard written methods for

Use vocabulary of prime, factor &

Multiply & divide by powers of ten

• Use square and cube numbers

## **English**

#### Writing

- Secure spelling, inc. homophones, prefixes, silent letters, etc.
- Use a thesaurus
- Legible, fluent handwriting
- Plan writing to suit audience & purpose
- Develop character, setting and atmosphere in narrative
- Use organisational & presentational features
- Use consistent appropriate tense
- Proof-reading
- Perform own compositions

#### Grammar

- Use expanded noun phrases
- Use modal & passive verbs
- Use relative clauses
- Use commas for clauses
- Use brackets, dashes & commas f parenthesis Speaking & Listening
- Give well-structured explanations
- Command of Standard English
- Consider & evaluate different

# Design & Technology (UKS2)

• Use research& criteria to develop products which are fit for purpose and aimed at specific groups

Art & Design (UKS2)

• Use sketchbooks to collect, record, review,

Improve mastery of techniques such as drawing,

• Learn about great artists, architects & designers

painting and sculpture with varied materials

revisit & evaluate ideas

- Use annotated sketches, cross-section diagrams & computer-aided design
  - Analyse & evaluate existing products and improve own work
  - Use mechanical & electrical systems in own products, including programming
- Cook savoury dishes for a healthy & varied diet

Geography

(UKS2)

- Name & locate counties, cities, regions & features of UK
- Understand latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones

**Computing (UKS2)** 

• Design & write programs to solve problems

outputs in programs

• Be discerning in evaluating digital content

• Use sequences, repetition, inputs, variables and

Detect & correct errors in programs

Understand uses of networks for

collaboration & communication

- Study a region of Europe, and of the Americas
- Understand biomes, vegetation belts, land use, economic activity, distribution of resources, etc.
- Use 4- and 6-figure grid references on OS maps
- Use fieldwork to record & explain areas

#### **Geometry & Measures**

- Calculate perimeter of rectangles
- Identify 3-d shapes
- Understand regular polygons Reflect & translate shapes Data
- Solve questions about line graphs

#### **Fractions**

- Compare & order fractions
- Add & subtract fractions with common denominators, with mixed numbers
- Multiply fractions by units
- Write decimals as fractions
- Order & round decimal numbers
- Link percentages to fractions & decimals

## Spanish (UKS2)

- Listen & engage
- Engage in conversations, expressing opinions
- Speak in simple language & be understood
- Develop appropriate pronunciation
- Present ideas & information orally
- Show understanding in simple reading
- Adapt known language to create new ideas
- Describe people, places & things
- Understand basic grammar, e.g. gender

### Music (UKS2)

 Perform with control & expression solo & in ensembles

> • Improvise & compose using dimensions of music

- Listen to detail and recall aurally
- Use & understand basics of staff notation
- Develop an understanding of the history of music, including great musicians & composers

## Physical \_

## **Education** (UKS2)

- Use running. jumping, catching and throwing in isolation and in combination
- Play competitive games, applying basic principles
- Develop flexibility & control in gym, dance & athletics
- Take part in Outdoor & Adventurous activities
- Compare performances to achieve personal bests
- Swimming proficiency at 25m

#### Religious

#### Education

- Ourselves Created in the image & liteness of God
- Life choices Marriage commitment and service
- Hope Advent; waiting in joyful hope for Jesus; the promised one
- Mission Continuing Jesus' mission in diocese (ecumenism)
  - Memorial sacrifice The Eucharist the living memorial of Jesus' sacrifice.
  - Sacrifice Lent a time of aligning with the sacrifice already made by Jesus
- Transformation Celebration of the Spirit's transforming power
- Freedom & responsibility Commandments enable Christians to be free & responsible
- Stewardship Church is called to the stewardship of Creation

## **Mathematics**

- Convert between different units
- composite shapes & area of
- Estimate volume & capacity
- Measure & identify angles
- Interpret tables & line graphs

# Science

mentally

multiple

#### **Biology**

- Life cycles of plants & animals (inc. mammal, insect, bird, amphibian)
- Describe changes as humans develop & mature
- Chemistry

**Physics** 

- Classify materials according to a variety of properties
- Understand mixtures & solutions Know about reversible changes; identify irreversible
- Understand location and interaction of Sun, Earth &
- Introduce gravity, resistance & mechanical force

## History (UKS2)

#### **British History (taught chronologically)**

- The Victorians
- Theme in British History through the ages
- Crime and Punishment

### **Broader History Study**

Ancient Greece