



Curriculum Map for Year 6 Spring Term 2017

CORE SUBJECTS

RE

Come and See

Children will know...

Local Church: Sources

The Books of the Bible (Old & New Testament)

The importance of the Bible to Christians

Eucharist: Unity

Christian Unity through Holy Communion

The Sacrament of the Eucharist

Lent: Death and New Life

Lent: a time to remember the suffering and death of Jesus

How the suffering, death and resurrection of Jesus led to new life

The Easter Vigil; celebrating the new life of Easter

Children will be able to..

Recognise and retell religious scripture

Make links between scripture and Christian beliefs

Recognise religious signs and symbols and give reasons for these

Describe & explain how people's actions are influenced by their beliefs

Make links to other religious sources including hymns, prayers and artwork

Ask and respond to questions about their own and others' experiences and feelings

Faith development

Children will be able to...

Plan a reflective class Liturgy

Find appropriate scripture using key words to search

Contribute during school liturgies and masses

English - Reading

Mechanics

Children will be able to...

Apply knowledge of root words, prefixes and suffixes to read aloud and to understand the meaning of new words

With increasing confidence, determine both the meaning and pronunciation of unfamiliar words

Use knowledge of unfamiliar words to improve understanding of a sentence or paragraph

Prepare readings with appropriate intonation

For meaning

Children will be able to...

Identify key details and facts in texts

Summarise the main ideas drawn from more than one paragraph

Explain characters' thoughts, feeling and motives for actions, using evidence from a text

Make comments on the use of organisational and language features e.g. in Poetry

Identify imagery and figurative language

Give reasons for an author's use of language

Develop ideas using evidence and building on the ideas of others.

For enjoyment (Opportunities)

Children will be able to...

Participate in discussions about books

Read for pleasure

Search for books based on genre and theme

Recommend books to peers

English - Writing

Mechanics (Spelling & Grammar)

Children will be able to...

Spell words using hyphens

Spell words containing ie / ei

Spell words ending -sion, -tion, -cian & -ssion

Recognise and spell a variety of homophones, using the context of a sentence to help identify the correct spelling

Use a legible, joined handwriting style.

Use apostrophes for possession.

Use accurate punctuation for direct speech.

Recognise different verb forms including modal, subjunctive, active & passive.

Identify conjunctions, determiners, object, subject, pronouns and prepositional phrases

Authorship

Poetry: Exploring poetic techniques in poetry e.g. Lewis Carroll, James Reeves

Non-Fiction: Persuasive Writing: AFOREST techniques and language use in persuasive speeches and reports

Narrative: Short Stories - Stories from Outer Suburbia by Shaun Tan

Accuracy as a writer

Children will be able to...

Select ambitious vocabulary and varied grammatical structures appropriate to the style of the piece of writing

Use different cohesive devices, such as conjunctions, adverbs and ellipsis, within and across paragraphs

Use a range of clause structures accurately

Use a range of punctuation including commas for clarity, speech marks, brackets, dashes, semi-colons and colons

Develop self-assessment and editing skills

Maths

Number

Children will be able to...

Recall and use equivalences between fractions, decimals and percentages

Identify the value of each digit in numbers to three decimal places

Multiply and divide decimals by 10, 100 and 1000

Round numbers to a required degree of accuracy

Perform mental calculations using knowledge of relationships between numbers

Calculation

Children will be able to...

Add and subtract fractions with different denominators (including mixed numbers)

Multiply pairs of proper fractions

Divide proper fractions by whole numbers

Fluently use formal written methods for addition, subtraction, multiplication and division

Apply knowledge of formal methods when solving problems in a variety of contexts

Solve problems involving ratio and proportion

Use formulae to calculate

Shape & Space, Measure and Data Handling

Children will be able to...

Use, read, write and convert between standard units of length, mass, volume and time

Solve problems involving the calculation and conversion of units of measure

Convert between miles and kilometres

Calculate the perimeter, area and volume of shapes and use formula to calculate

Illustrate and name the parts of a circle

Interpret and construct pie charts and line graphs and use these to solve problems

Calculate the mean as an average

Draw 2D shapes given dimensions and angles

Calculate missing angles in triangles, quadrilaterals and regular polygons

Describe position on the full co-ordinate grid

Translate and reflect shapes

Use and application

Interpret sequences, patterns and relationships involving words and numbers

Collect, organise and represent information

Science

Scientific Knowledge

Evolution and Inheritance

Children will know...

What fossils are and what they can tell us about the past

What makes humans (and other species) the same and different

What the concept of 'inheritance' is

What inherited and non-inherited features are

How living things adapt to their environment

The advantages and disadvantages of adaptation

How, over time, living things can change leading to the evolution of a species

Who Charles Darwin was and why his work was so important

What natural selection is

Scientific Skill

Evolution and Inheritance

Children will be able to...

Use science diagrams and models to describe and explain

Create accurate diagrams with labels using key scientific vocabulary

Collect data within a group or *population*

Describe the *distribution* of features across a population

Construct a complex table thinking about the use of *variables*

Construct a graph

Describe and explain what a graph shows using scientific vocabulary

FOUNDATION SUBJECTS

Humanities (History & Geography)

Comparing People & Places: North & South America

Children will know...

How the Grand Canyon was formed
The different biomes in the Grand Canyon

How humans have impacted on the region of the Grand Canyon in the past and in the present day

The climate zones, rivers, biomes and vegetation belts of the Amazon Basin

The natural resources, land use and forms of trade in the Amazon Basin

The key geographical impacts of deforestation in the Amazon Basin

Children will be able to...

Identify geological features from photographs

Use maps, atlases and digital mapping to locate countries / regions

Identify and use knowledge of the Equator, Northern and Southern Hemisphere, latitude and longitude

Use topographical maps to present information about the physical environment

Describe geographical features using key vocabulary

Use a range of methods including sketches, maps, plans and graphs

Create infographics to represent information

Art & Design Technology

Children will know...

The features and symbolism of Native American artwork

How to create symbols to represent the physical and human features of the Grand Canyon

About the features of 'aerial landscape' art-work by artists such as Georgia O'Keeffe and Jane Frank

How to create paintings inspired by Topographical Maps

Children will be able to...

Use a sketchbook to record ideas and observations and to experiment with new ideas

Create original compositions using other designs and styles as inspiration

Use different painting techniques including using different brush strokes and blending.

Use simple pulley mechanisms in a project

ICT and Computing

Computer Science

Children will be able to...

Understand what algorithms are

Use logical reasoning to explain how simple algorithms work

Use sequencing, selection and repetition in programs

Work with variables and various forms of input and output

Detect errors in algorithms and programs

Design, write and debug simple programs which accomplish specific goals

Solve problems by decomposing them into smaller parts

Music

Exploring Sound Sources:

Children will be able to...

Identify 'clusters' in a piece of instrumental music

Compare the use of clusters in different pieces of music

Create and perform clusters using voices and keyboards

Explore the *attack* and *decay* of keyboard sounds

Understand what is meant by *synthesising* and *sampling*

Understand how everyday objects can be used as instruments

Select sound sources for a composition

Compose a *soundscape* using knowledge of clusters, attack and decay and sound sources

Listen to and assess a final music composition

Understand and use technical musical vocabulary such as duration, tempo, texture, timbre, dynamics and pitch

PE

Dance

Children will be able to...

Understand dance terminology

Replicate, refine and adapt a group performance

Explore and choose movements to create and present dance

Reflect on their own/others' progress by identifying strengths and areas for development

Incorporate group work into a whole class dance

Netball

Children will be able to...

Develop basic footwork skills

Pass the ball in a variety of ways

Move around defenders to receive a pass

Perform the different types of shot found in netball

Use positions and rules in a game situation

Apply netball skills and tactics in small-sided games

Languages

Children will know...

How to shop using Euros

Names of different drinks and snacks

Verbs for expressing likes and dislikes

Children will be able to...

Ask for drinks and snacks

Understand and express likes and dislikes about drinks and snacks

Have a conversation to buy ice-creams

Make a shopping list for a party

EXTENDED LEARNING OPPORTUNITIES

ICT

- Using the iPads throughout the curriculum including: I Can Animate, iMovie & Morpho
- Using ICT to create infographics

Arts and Culture (inc. visits/vistors)

- Trip to the Great North Museum
- STEM Workshop

RRSA & Global Citizenship

- Fighting for Rights – Land use / loss for indigenous peoples. Deforestation in the Amazon rainforest
- Kenya & Mission week

Outdoor Learning

- Forest School sessions each half term:
- Using a variety of tools for different purposes
 - Working around and with fire safely

Sport and Exercise

- Grassroots Multi Skills
- Gateshead School's Sports Partnership: Netball & Basketball
- Intra-school sport's competition
- Dance Festival