



Curriculum Map for Year 5 Spring Term

CORE SUBJECTS

RE

Come and See

Children will know...

Local Church: Mission

The mission of inspirational leaders

Diocese continue the work and mission of Jesus, including ecumenism

Eucharist: Memorial Sacrifice

Hoe memories are kept alive

The Eucharist keeps the memory of Jesus' sacrifice alive and present in a special way

Lent and Easter: Sacrifice

Giving or refusing to give; appreciating the cost of giving

Lent, a time of giving in preparation for the celebration of the sacrifice of Jesus

Children will be able to..

Retell stories from religious scripture using religious vocabulary

Use religious vocabulary to describe and give reasons for actions and symbols

Make links between religious stories and the beliefs of Christians

Describe and give reasons for the actions of Christian believers

Ask and respond to questions about beliefs and feelings.

Compare ideas and beliefs about questions that are difficult to answer

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

Participate and respond to a range of reflective activities and experiences

English - Reading

Mechanics

Children will be able to...

Use a range of strategies to accurately decode a text

Develop strategies for explaining the meaning of unfamiliar words

Begin to discuss what has been read after reading silently

Read aloud using appropriate volume and intonation so that meaning is clear

For meaning

Children will be able to...

Identify and retrieve specific information from a text

Explain the meaning of words in context

Summarise information that has been read in a variety of ways

Find specific evidence and clues in a text that justify an inference

Make conclusions and inferences from a text

Identify and comment on vocabulary and other descriptive devices used by an author

Begin to make comparisons of themes between texts

For enjoyment (Opportunities)

Children will be able to...

Make recommendations on books to peers and the wider school community.

Read for pleasure, and select books appropriately

Search for books based on genre and theme, using Reading Cloud

Weekly award of 'Y5 Reading Champion' for enthusiasm related to reading

English - Writing

Mechanics (Spelling & Grammar)

Children will be able to...

Spell words with the silent letters -k and -n

Spell words with the silent letter -w

Spell words with the silent letter -c and -b

Spell a range of common homophones

Spell homophones ending in -ce and -se

Spell words from the UKS2 word list

Convert nouns and adjectives into verbs using prefixes 're', 'de', 'mis', 'im', 'in' and 'il'.

Use apostrophes for contraction and possession.

Use a legible, joined handwriting style.

Recognise synonyms and antonyms.

Authorship

Narrative:

Writing to Entertain - Classic Narrative

Poetry: The Highwayman

Non-Fiction:

Writing to Persuade - Persuasive Adverts: Space Travel

Writing to Discuss - Balanced Arguments: Performance Enhancing Drugs in Sport

Accuracy as a writer

Children will be able to...

Recognise and use a range of figurative language as a descriptive device

Use modal verbs and adverbs to indicate a degree of possibility

Use a range of sentence openings: fronted adverbials, verb participles and subordinate clauses

Use coordinating conjunctions to join to main clauses, punctuated accurately

Begin to use relative clauses with an omitted relative pronoun

Use a range of punctuation accurately: fullstops, capital letters, commas in lists and apostrophes for omission and possession

Develop self-assessment and editing skills

Maths

Number

Children will be able to...

Read, write, order and round 6-digit numbers up to 1, 000, 000

Compare decimals with a different number of decimal places

Round decimal numbers to the nearest whole number and tenth

Interpret negative numbers in context

Use the inverse relationships between addition and subtraction; multiplication and division

Recognise multiples of numbers up to 12×12

Know and apply tests of divisibility

Find all factor pairs and common factors and multiples; recognise square, cube and prime numbers

Describe linear number sequences, including those involving fractions and decimals and start to find the term to term rule

Calculation

Children will be able to...

Use mental addition and subtraction strategies in context with decimal numbers

Use formal written methods of addition and subtraction with decimal numbers in a wide range of contexts

Use formal written methods for multiplication (short and long multiplication)

Continue to use written methods of division (chunking and short division)

Find unit and non-unit fractions of 3-digit numbers

Convert between mixed numbers and improper fractions

Geometry, Measures and Statistics

Children will be able to...

Recall the properties of different types of triangle

Prove the angles of a triangle add up to 180° , and use this to find missing angles in triangles

Continue to develop fluency in converting between measures

Use approximate equivalences between metric units and common imperial units such as inches, pounds and pints

Recognise and draw polygons to given criteria

Classify quadrilaterals by their properties

Use and Application

Children will be able to...

Find all possibilities by working systematically

See how working systematically can help reasoning

Science

Scientific Knowledge

Forces

Children will know...

Identify the direction and effect of contact forces and non-contact forces.

Describe the relationship between gravity, mass and weight.

Describe and explain the effects of a range of forces (friction, air resistance, upthrust) Discuss how force multipliers are used to increase the effect of a force.

Earth and Space

Children will know...

Recall key scientific knowledge related to the Solar System, such as the movement of the Earth and phases of the Moon

Explain the movement of the Sun across the sky and its relationship to day and night

Explore historical understanding of Solar System, and modern advancement in space exploration

Scientific Skill

Forces

Children will be able to...

Use a science model to explain.

Record repeated data measurements accurately.

Construct a table to show repeated readings.

Select the most appropriate independent variable.

Use scientific knowledge and understanding to make a hypothesis.

Earth and Space

Children will be able to...

Draw diagrams to describe and explain

Construct and interpret line graphs

Plot whole number and decimal coordinate points accurately

Interpret information from a wide range of charts and graphs

FOUNDATION SUBJECTS

Humanities (History & Geography)

The UK: Investigating Who We Are

Children will know...

Name and locate the countries and counties of the UK.

Name and locate some of the major cities in the UK, and explain why some of these cities have developed this way.

Describe what is meant by the terms human and physical features.

Identify different types of settlement and land-use on a map.

Explain the effects of the different land-uses, human and physical features in an area.

Explain the benefits and issues of exploiting natural resources in the UK.

List the positives and the negatives of membership in the European Union.

Children will be able to...

Use and interpret geographical sources to identify and label places on a map and geographical similarities between major cities in the UK.

Use an Ordnance Survey map to understand geographical differences of settlements in the UK.

Observe, measure and record geographical features using a range of methods.

Communicate geographical information in an appropriate way.

Use mapping skills to investigate the distribution of natural resources around the UK.

Present a balanced argument based on geographical knowledge and understanding.

Make judgements and decisions based on information and experiences.

Art & Design Technology

Design and Technology

Mechanical Toys

Children will know...

Communicate ideas using annotated sketches and cross-sectional diagrams

Investigate a range of mechanisms and products

Apply knowledge of forces and force multipliers to solve a mechanical problem

Evaluate and analyse a product to improve it

Art and Design

Printing: Landmarks

Children will be able to...

Record ideas and sketches as a planning tool

Create sketch books and idea boards

Develop techniques such as carving which contribute to the process of printing

Experiment and create using different kinds of art, craft and design

ICT and Computing

Computer Science

Children will be able to...

Design, write and debug programs that accomplish specific goals, 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.

Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.

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

Gymnastics - Using Apparatus

Children will be able to...

Use large apparatus to perform a range of balances and traveling movements

Mount and dismount large apparatus, finishing with a shape in flight and a controlled landing

Build a short sequence that uses both the floor and large apparatus

Dance

Children will be able to...

Gain an understanding of dance terminology

Replicate, refine and adapt a group performance

Reflect on their own/others progress by identifying strengths and areas for development Incorporate group work into whole class dance

Games - Hockey

Children will be able to...

Keep control of the ball whilst moving in different directions

Tackle to gain possession safely

Apply a range of skills in appropriate situations

Games - Netball

Children will be able to...

Develop basic footwork skills (pivoting and landing)

Perform the different types of shot found in netball

Apply netball skills and tactics in small-sided games

Languages

French

Children will know...

Numbers 31-40

Names of pets

Masculine and feminine nouns

Plural nouns

Masculine and feminine adjectives

Adjectives: colour, size and quality

Children will be able to...

Give opinions about pets

Write a description of pets

Tell stories: in the pet shop/ 'I haven't got any friends'

Read and write an animal description

EXTENDED LEARNING OPPORTUNITIES

ICT

Arts and Culture (inc. visits/vistors)

RRSA & Global Citizenship

Outdoor Learning

Sport and Exercise

Using the iPads throughout the curriculum including: Bible Gateway, I Can Animate, Padlet, Aurasma and Morpho

Trip to Centre for Life - Destination Space Workshop
Team Northumbria Visitor STEM Workshop

Extended Learning Week - Kenya Mission Week
Continued discussion of right throughout the curriculum

Making fires
Designing a water filter
Teambuilding activities

Class bike rides with Cycling Generation
Opportunities for sporting activities through the Gateshead Schools' Sports Partnership
Intra-school competition and work as part of the School Sports Crew