

Geography

The United Kingdom (including Northumberland):

National Curriculum Links

Pupils should be taught about:

- Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics
- Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom
- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- Use the eight points of a compass

Learning Outcomes:

Children will be able to:

- Show how the UK is divided up into four countries
- Recall the names of capital cities
- Use maps of varied scales, locating the UK and Northumberland
- Explain how the UK is further divided into regions
- Research particular locations: London, Edinburgh, Northumberland
- Make comparisons between different parts of the UK
- Explore the concept of 'topology' across the UK and Northumberland
- Explore the concept of 'coastlines' across the UK and Northumberland

Religious Education (Discovery RE Syllabus)

Christianity

Learning Outcomes: Children will be able to:

- Talk about things in the world that people could think of as miracles.
- Explain one Christian viewpoint about one of Jesus' healing miracles.
- Explain how Christians may describe and explain Jesus' miracles.
- Suggest how a person may rescue / help others who are in difficult situations.
- Can start to explain why Christians see Jesus' death as 'good'.
- Reflect on whether they agree with Christian's beliefs about Jesus' death.

COVID Catch Up (CC) - Standalone Work

Sikhism Learning Outcomes: Children will be able to:

- Discuss why it is important to share even though it is not always easy.
- Describe some of the ways Sikhs share and begin to explain why this is important to them because of their beliefs.
- Begin to tell you if sharing is important or not to Sikhs.

P4C: Do Sikhs think it is important to share?

Physical Education

Team Games / Swimming (Subject to Covid 19 regulations)

National Curriculum Links Pupils should be taught to:

- Use running, jumping, throwing and catching in isolation and in combination
- Play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending
- Swim competently, confidently and proficiently over a distance of at least 25 metres
- Use a range of strokes effectively

Music

Glockenspiel Stage 2 (Y4)

National Curriculum Links Pupils should be taught to:

- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression
- Improvise and compose music for a range of purposes
- Listen with attention to detail and recall sounds

Our United Kingdom Spring 2021



Computing

Designing a computer game and controller

National Curriculum Links:

Pupils should be taught to:

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems
- Solve problems by decomposing them into smaller parts

Learning Outcomes

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

Geography

Children will explore the human and physical features of Northumberland in a local context.

Science

- Children will identify local habitats in the school grounds and identify and classify living things living there.

Science (CC)

- Volcano eruption investigations
- Finding and investigating the different rocks and soils found within the school grounds.

Foreign Languages

French: Touts directions

La pluie et le beau temps

National Curriculum Links

Pupils should be taught to:

- Listen attentively to spoken language and show understanding by joining in and responding
- Explore the patterns and sounds of language through songs and rhymes
- Appreciate stories, songs, poems and rhymes in French

Learning Outcomes:

Children will be able to:

- Explain different weather conditions
- Ask what the weather is due to be like
- Explain where they live
- Give directions to explain where they live



Design Technology

Insect Boxes:

National Curriculum Links

Pupils should be taught to

- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams
- Investigate and analyse a range of existing products
- Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

Learning Outcomes

Children will be able to

- Apply their experiences of materials and processes to develop control of tools and techniques
- Collaborate with others in two and three dimensions on different scales
- Use simple jigs for holding materials when cutting and shaping from a range of materials with some accuracy and safety
- Use effective techniques to assemble, join and combine wood to make an insect box

Science Investigation Opportunities – Which material is the best insulator?

Outdoor Learning Opportunities:

Science



Living things and their habitats

National Curriculum Links Pupils should be taught to:

- Recognise that living things can be grouped in a variety of ways
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment
- Recognise that environments can change and that this can sometimes pose dangers to living things
- Construct and interpret a variety of food chains, identifying producers, predators and prey

Learning Outcomes:

Children will be able to:

- Understand what a habitat is and name ones that they can find locally
- Sort animals into groups
- Understand what animals need to survive
- Use a key to identify animals
- Describe what particular animals eat and where they get their food from
- Give examples of how changes to habitats can affect animals
- Give an example of a food chain in a particular habitat

Topic-Based English

Stories with Environmental Issues/ Persuasive Texts/ Northumberland Folk Tales

National Curriculum Links Pupils should be taught to:

- Develop positive attitudes to reading and understanding of what they read by increasing their familiarity with a range of books and text types
- Identify themes and conventions in a range of books
- Plan, draft, write, evaluate and edit their written work
- Read aloud their own writing, using appropriate intonation and controlling the tone and volume so that the meaning is clear
- Increase the legibility, consistency and quality of their handwriting

COVID Catch Up (CC) - Standalone Work Coastal Sculptures by British Artists

National Curriculum Links: Pupils should be taught to:

- Create sketchbooks to record their observations and use them to review and revisit ideas
- Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials

Learning Outcomes: Children will learn about:

- British artists/sculptors, including examples from the local area (coastal)

Children will be able to:

- Practise and develop their drawing and painting skills
- Create drawings and paintings inspired by artists they have studied

COVID Catch Up (CC) - Standalone Work

Rocks and Soils (Volcanoes and Fossils)

National Curriculum Links:

Pupils should be taught to:

- compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
- describe in simple terms how fossils are formed when things that have lived are trapped within rock
- recognise that soils are made from rocks and organic matter

Learning Outcomes:

Children will be able to:

- find where rocks or materials made from rocks have been used in and around school
- talk about and record why rocks are useful
- recognise that there is rock under all surfaces
- describe the internal structure of the Earth in simple terms
- explain where in the world volcanoes occur and why they are found there
- describe what happens when a volcano erupts
- understand that particular types of rocks are formed by volcanoes
- put rocks in order of hardness
- understand how rocks are broken down
- recognise differences between rocks
- describe how sand particles and pebbles can be separated
- sort rocks and name some of them
- describe how a fossil is formed
- realise that not all animals and plants that die become fossils
- talk about why soil is important to humans
- explain what soil contains (including small pieces of rocks)
- plan a complete investigation
- make and record measurements of time and volume of water
- use results to make comparisons and draw conclusions.

Science Investigation Opportunities - How can we best protect a coastline from coastal erosion?

Mastering English

Learning Outcomes Children will be able to:

- Develop written responses to science-based enquiries and investigations.
- Write an explanation text about how a fossil is formed.
- Write a set of instructions about how to create an insect box
- Create an information text about volcanoes.
- Written argument about whether or not to live near a volcano.
- Use Google Slides to create a presentation about the physical features of the United Kingdom.

PSHE

Respecting our environment

National Curriculum Links

Pupils should be taught to:

- Understand the impact that humans can have on the environment
- **Why we should look after our environment – P4C**
- Explore what can be done to protect our environment

Maths

National Curriculum Links: Year 4

Multiplication and Division Facts

Pupils should be taught to:

- Recall and use multiplication and division facts for multiplication tables up to 12×12
- Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- Recognise and use factor pairs and commutativity in mental calculations
- Multiply two-digit and three digit numbers by a one-digit number using formal written layout.

Measure (Area)

Pupils should be taught to:

- Find the area of rectilinear shapes by counting squares

Fractions

Pupils should be taught to:

- Recognise and show, using diagrams, families of common equivalent fractions
- Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten
- Add and subtract fractions with the same denominator

Decimals

Pupils should be taught to:

- Recognise and write decimal equivalents of any number of tenths or hundredths
- Find the effect of dividing a one or two-digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- Solve simple measure and money problems involving fractions and decimals to two decimal places
- Convert between different units of measure (for example, kilometre to metre)

Maths

Covid Catch Up (CC)-Standalone Work (Year 3 Objectives)

National Curriculum Links:

Measure (Money) Pupils should be taught to:

- Add and subtract amounts of money to give change, using both £ and p in practical contexts.

Statistics Pupils should be taught to:

- Interpret and present data using bar charts, pictograms and tables
- Answer one-step and two-step questions using information presented in scaled bar charts, pictograms and tables

Mastering Mathematics

Learning Outcomes Children will be able to:

- Measure accurately to create an insect box
- Collect and present data collected about animals found in the school environment

