

Year 3/4 Autumn 2



Marvellous Materials And Mega structures

Children will be learning about materials and mega structures around the world, the theme is then a vehicle for all creative, literacy and knowledge and understand-

Grange View C.E
First School



Science—

To identify what a food chain is
To identify that changes to the environment can effect food chains and habitats
To understand the food chains active in the local area
To identify the features of an electrical circuit
To investigate the best conductor of electricity

Geography -

To be able to locate places in the world and match their mega structure man-made wonder.
To understand about the lifestyle, culture and climate of that area and how that may affect the structure and materials used.
To be able to read and study maps and photographs to highlight memory markers and hence identify chronological changes over time to a city or local area
History -
To be able to use secondary sources to research information about a local area
To be able to chronologically order mega structure pictures based on when they were built or Newcastle / Widdrington developments over time
To be able to give suggested reasons for changes such as the invention of steel, railway.
To understand the relevance of religion, cultural and social factors in the changes throughout the ages.
RE— See separate planning

KUW— Skills based objectives to focus on:

Science—

Light, sound and electric
Identify common electrical appliances
Complete a simple electrical circuit identifying and naming the basic parts
Identify whether or not a lamp will light in a circuit based on if the lamp is part of the complete loop with a battery
Recognise that a switch opens and closes a circuit
Identify some common conductors and insulators and identify metal as being good conductors.

Geography—

Place knowledge
Begin to understand simple geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom

History -

Continuity and Change
Begin to make links between main events, situations and people with support.
Begin to identify, with support, changes within and across different periods and societies studied.

ONGOING MUSIC learning to play the violin

Week 1 and 2

Literacy - Information texts (3 weeks)

ICT— What commands are needed to control?

DT—What is a mega structure?

EDUCATION VISIT—THURSDAY 5TH NOVEMBER

ICT— How can the commands be altered to get it right?

Art/Geog/Hist—What do mega structures look like around the world?

Science—What are properties of materials?

Week 3, 4 and 5

ICT— How can the repeat function help?

RE—INTERFAITH WEEK

Literacy - Literacy shed (2 weeks)

ICT— How can the repeat function help?

DT—What materials are suitable for the purpose?>

DT—What tools and techniques are needed to create your mega structure?

Science—what is the benefit of different material properties?

ICT—How is ICT used to sort and classify objects?

History—How has the quayside in Newcastle changed over time?

Science—how are different object materials appropriate?

Week 6 and 7

Literacy - Poetry—exploring form (2 weeks)

ICT— How is ICT used to sort and classify objects?

Art—How can watercolour mixing create a mega structure painting?

Science—what is a circuit?

ICT—How can our poetry be presented?

History / ICT—Which ways can our facts be presented?

Science—What is a conductor?

Mathematical Development

Numeracy

Year 3

Will be learning addition and subtraction and beginning multiplication and division focusing on:

Adding and subtracting 3 digit and 2 digit numbers

Add and subtract 100s

Adding and subtracting two 3 digit numbers

Estimating answers

Recapping on arrays, using multiplication symbols and the 2 and 5 times table

Year 4

Will be learning about place value and focusing on:

Roman numerals to 100

Round to the nearest 10, 100 and 1000

Partitioning

Number line to 10,000

1,000 more or less

Comparing and ordering numbers

Count in 25s

Negative numbers

Creative Development

Art -

To collect visual information to help develop ideas
Combine visual qualities of materials and match them to the purpose of the work

Compare approaches to their own and others' work

To question and make observations for starting points for their work

DT -

To generate and develop ideas, select appropriate materials and plan how they will make their design

To measure, mark out and combine components and materials accurately

To reflect on the progress of their work and identify ways they could improve their design and product

Music

To follow a steady beat

To understand the different of pitch

To understand how music is written down

To learn and perform a given tune on the violin

FOREST SCHOOL / Science learning

Science—What are properties of materials?

Science—what is the benefit of different material properties?

Science—how are different object materials appropriate?

Science—what is a circuit?

Science—What is a conductor?

PSED—Relationships

Year 3:

To develop strategies to solve difficulties and conflicts in friendships

To learn about our rights to personal space and the difference between appropriate and inappropriate touching

To know the difference between good and bad dares

To learn the difference between good and bad secrets

To understand and challenge stereotypes

Year 4:

To develop strategies to solve disputes and conflict.

To recognise that differences and similarities between people arise from a number of factors.

To realise the nature and consequences of discrimination, teasing, bullying and aggressive behaviours.

To recognise and manage 'dares'.

To recognise and challenge stereotypes.

Esafety:

'My online community'

To consider what it means to go online and use the Internet.

To compare and contrast how they are connected to different people and places, in person and on the Internet.

To demonstrate an understanding of how people can connect on the Internet by drawing a map of their online community

Physical Development

Dance

To

Communication Language and Literacy

NF: Information texts—reading, studying and then writing own information texts

Literacy shed—For the birds

Poetry: Exploring form

To explore a range of different forms of poetry focusing upon the language used to create a vivid image, suspense and description

Speaking and listening: to learn, recite and perform lines for the Christmas play with confidence, clarity and expression.

ICT

To understand how control is using a list of commands

To know how commands are instructions that make things happen

To understand how trial and error is the best method to achieve a successful set of commands to do a given job.

How to create, sort and classify animals using a database

How to create, sort and classify using closed questions in a branching database

How to change the font, style, size and colour of text to suit a purpose

MFL- Trois Petit Cochons

To listen carefully and identify familiar words in a French traditional tale

To use knowledge of vocabulary to sort, identify and retell the traditional tale in French



