

Year 3/4 Autumn 2



Marvellous 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 understanding.

Grange View C.E
First School



KUW

Science—

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.

Literacy Poetry—Hocus Pocus RWP (2 weeks)

Week 1 and 2

ICT—How do networks work?

DT—What is a mega structure?

Science—What is a circuit?

ICT—What is the internet made of?

16TH NOVEMBER—HANCOCK AND QUAYSIDE VISIT

INTERFAITH WEEK

Week 3 and 4

ICT - How do we share information?

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

Science—What is a circuit?

Literacy Non chronological reports (3 weeks)

ICT - What is a website?

Geog—what do mega structures look like around the world?

Science—What is a conductor?

ICT—Can a picture be perfect?

History—How and where did stone age people live?

Science— How can fossils teach us about pre living

Week 5, 6 and 7

ICT— Who owns the web?

DT—What materials are suitable for the purpose?

Science— How can the bulb be made the brightest?

ICT—Can I believe what I read?

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

Art—How can water colour mixing create a mega structure painting?

OUR ARTIST SPINE IS: Gaudi

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
Identify ways they could improve their design and product

Music (Y3)

To follow a steady beat
To understand the difference of pitch
To understand how music is written down
To learn and perform a given tune on the glockenspiel

Numeracy

Year 3:

Will be learning about the four operations:

Add and subtract 1s, 10s, 100s
Add and subtract 1s and 10s across a 10
Add and subtract 2 and 3 digits formally with exchanges
Estimate answers and inverse operations
Multiplication using arrays and equal groups
Multiples of 2, 5 and 10
Multiply and divide by 3, 4 and 8

Year 4:

Will be learning about the four operations and area

Efficient subtractions
Estimating answers
Using checking strategies
Count squares, make shapes and compare areas
Multiples of 3
Multiply and divide by 6, 9, 7, 11 and 12
Multiply by 1 and 0
Divide a number by 1 and itself
Multiply three numbers

MFL—French—Toys, snacks and pocket money

Expressing likes and dislikes (about food and toys)
Saying simple prices Justification of opinions
C'est... Numbers in multiples of 10 up to 100

Arts specific learning (Y4):

DT: Technical knowledge -
Mechanical systems:
To design, make and evaluate

PSED—Relationships

Y3:

- personal boundaries
- Safely responding to others
- The impact of hurtful behaviour
- Recognising respectful behaviour
- The importance of self respect courtesy and being polite.

Y4:

- responding to hurtful behaviour
- Managing confidentiality
- Recognising risks online
- Respecting differences and similarities
- Discussing difference sensitively

Physical Development

Tuesday (Y3) / Friday (Y4)

Complete PE:

Games: Netball Skills

WEDNESDAY pm -
Swimming

Key

Outside environment

Multiculturalism

Arts



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Communication Language and Literacy

Poetry: Hocus Pocus (Read Write Perform) Hook text:

Walking on the bridge of your nose. By Michael Rosen

NF: Non Chronological report —Hook text: Awesome Engineering, Skyscrapers. By Sally Spray

ICT

To describe how networks physically connect to other networks

To recognise how networked devices make up the internet
To outline how websites can be shared via the world wide web

To describe how content can be added and accessed on the www

To recognise how the content of the www is created by