

Science – SKILLS

Rocks:

- Compare and group rocks according to appearance and simple physical properties.
- Describe in simple terms how fossils are formed.
- Recognise that soil is made from rocks and organic matter.



Light:

- Recognise we need light to see and dark is the absence of light.
- Notice that light is reflected from surfaces.
- Recognise that light from the sun can be dangerous and the need to protect their eyes.
- Recognise that shadows are formed when light from a source is blocked; identify patterns in how the size of a shadow changes.

Science - ACTIVITIES

- Explore different soils discovering similarities and differences.
- Investigate what happens when rocks are rubbed together and what changes occur when they are in water.
- Explore what happens when light reflects of a mirror
- Design and create a fossil.

English – SKILLS (Include but are not limited to below)

- Apply and develop knowledge of root words, prefixes and suffixes.
 - Learn to use the different grammatical forms of sentence: question, command, statement
 - create subordinating clauses and use a variety of verb forms.
 - To use prepositions to join noun phrases
- English ACTIVITIES
- Children will create character and setting descriptions, diary entries, recounts, narrative writing, Letter writing and create shared poems.

English – Texts

- The Mystery of Harris Burdick** by Chris Van Allsberg (Science link-Light)
- The first drawings** by Mordicai Gerstein (History link-Stone age)
- The Tear Thief** by Carol Ann Duffy and Nicoletta



Computing

- Use logical reasoning to explain and correct simple algorithms.
- Use sequence, selection and repetition in programs.

Computing – ACTIVITIES

Write a program in Scratch (or a similar platform) to create an animation.

Year 4- Autumn Shadows and stones

Where did it all begin? How do changes take place?



Awesome Opener: Design and create unique fossils.

Marvellous middle:

Fantastic Finale: Stone age experience

Maths – SKILLS

Number-Place value

Find order and compare numbers to 1000. find 100 more or less than a given number. Write numbers to 1000 in numerals and words, solve number and practical problems.

Number- addition and subtraction

Add and subtract mentally including 3 digit numbers. Solve problems, add and subtract money to give change, and use inverse operations.

Number-Multiplication and division

Recall and use multiplication and division facts for the 3, 4 and 8 times table. Solving problems involving multiplication and division.

Measurement

Compare add and subtract lengths in *m*, *cm* and *mm*. Measure the perimeter of 2D shapes.

Art – SKILLS

- Use sketch books to record observations and use them to review and revisit ideas.
- To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials

Art – ACTIVITIES

Sketching, painting and Creating a Picasso painting using stone colours

DT – SKILLS

Shell structures:



- Generate, develop, model and communicate ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.
- Investigate and evaluate a range of existing shell structures including the materials, components and techniques that have been used.
- Test and evaluate their own products against design criteria and the intended user and purpose.

DT – ACTIVITIES

- Design and make a fossil or shadow theme gift box
- Evaluate ideas and products against their designs.

Exploring religions:

Christianity-Explore the main features of a place of worship. Investigate the symbolism in the Nativity story. Identify and value special times.

Music – SKILLS

To sing with increasing confidence and control. Also to develop an understanding of musical composition, organising and manipulating ideas within musical structures

Music - ACTIVITIES

To perform a solo. To perform in a group.

History – SKILLS

Stone age:

- Explain why there are similarities and differences between ways of life and time periods
- Recognise historical influences on present day society
- Understand and use historical terms verbally and in written form
- **History- ACTIVITIES**
- Order events within a time period.
- Identify Changes in Britain from the Stone Age to the Iron Age

PE – SKILLS

- Kick and strike with confidence and control.
 - Defend with accuracy and care.
 - Create a 'good' invasion game using a set criterion
- PE – ACTIVITIES**
- Invasion games and swimming