Year 3 - Hazel and Elm – Autumn Curriculum Overview

'Each and Every Child' ... EXCELLENCE - TRUST - WISDOM - FRIENDSHIP - ENDURANCE

Science

Unit: Rocks

- Know that rocks and soil differ in their appearance and properties
- Know that there are different types of rocks and how they are formed
- Know that fossils are evidence of life and how they are formed

Unit: Light

- Know how shadows are formed and why they can vary in size and direction
- Know that the light from the sun can be damaging
- Know that light is needed to see things and that dark is the absence of light
- Know that some materials reflect more light than others

History

Unit: Stone Age to Iron Age

- Know which animals survived during the Ice Age.
- Know at least one era from the Stone Age.
- Know what homes were like in a Stone Age settlement.
- Know why bronze was used for tools and weapons.
- Know about Skara Brae and Stonehenge and what Historians can learn from these places.

Geography

Unit: Villages, Cities and Towns

- Know what population density is.
- Know that natural resources are important for settlements e.g. rivers.
- Know how settlements can differ.
- Know how to compare land use in different settlements.

Computing

Unit: Stop Frame Animation

- **Know that an animation is made up of a sequence of images which can be drawn or captured** and be able to capture a series of images and move a subject between captures.
- **Know the relationship between frames and motion**
- **Know the terms composition, stage and capture area.**
- **Know that a capturing device needs to be in a fixed position.**
- **Know how to fix mistakes in captured images** and play a sequence of images back to review and remove images to improve an animation
- **Desktop Publishing:**
- **Know landscape and portrait as page orientations.**
- **Know how different font styles and effects are used for particular purposes.**
- **Know that DTP pages can be structured with placeholders.**
- **Know the following features used to publish:**
  -add images
  -manage layout
  -shift to add capital letters
  -return key to create paragraphs

Art and DT

Art Unit: Portraits: Cave Painting Inspired Art. Indigenous Australians

By the end of this unit pupils will know that :

- Know that directional shading can influence a shape's 3D appearance.
- Know and demonstrate how to achieve different effects using the same media (oil pastels, charcoal, and pencils – pressure and blending).
- Know that highlighting areas of a drawn object with white, can create the illusion of reflected light – 3D effects demonstrate their knowledge in their work
- Know that H pencils are hard will produce light marks
- Use their sketchbooks to express feelings about a subject and to describe likes and dislikes.
- Use their sketchbooks to express feelings about a subject and to describe likes and dislikes.

DT Unit: Food: Making Sandwiches

Religious Education

Unit:

Harvest

- that Christians celebrate the harvest and is a way of thanking God.
- that the Bible gives instruction that people should give their first and their finest grain.
- that communities around the world celebrate the harvest in different ways.
- that charities help those who do not have a good harvest by providing food and support

Christmas

- that Jesus is called Emmanuel and that means God with us.
- that Christians believe Jesus is the son of God
- that Christians believe their faith in God changes their own and others' lives

Year 3 - Hazel and Elm – Autumn Curriculum Overview

***'Each and Every Child'* ... EXCELLENCE - TRUST - WISDOM - FRIENDSHIP - ENDURANCE**

Connecting Computers **Know what an input is and that a process acts on the input** and demonstrate this using a digital device. **Know that an output is produced by the process and identify how changing the process can affect the output** and demonstrate this using a digital device. **Know that a digital device is made up of several parts** and explain the role of the switch, server and wireless access points. **Know how devices in a network are connected and that they are made up of a number of components.**	• Know that a healthy diet is made up from a variety and balance of different food and drink, as depicted in 'The Eat well plate' • Know how to use a range of techniques such as chopping (claw & bridge) peeling, grating and spreading • Know that food can be grown, reared, caught and processed. • Know where the ingredients come from (e.g. ham from a pig) • Know how to apply their knowledge of food preparation and healthy eating to make a sandwich.	