

Science

Properties and Changes of Materials

- To compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- To know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- To use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- To give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- To demonstrate that dissolving, mixing and changes of state are reversible changes
- To explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.
- To use the terms 'reversible' and 'irreversible'
- To research the work of Ruth Benerito

Art

Use of IT- Digital drawing and editing

- To create a piece of art work which includes the integration of digital images they have taken
- To combine graphics and text based on their research
- To scan images and take digital photos, and use software to alter them, adapt them and create work with meaning
- To create digital images with animation, video and sound to communicate their ideas

Printing

- To print using a number of colours
- To create an accurate print design that meets a given criteria

DT

Cooking and Nutrition

- To describe what they do to be both hygienic and safe
- To present their product well

Music

Responding to Music (Charanga)

- To describe, compare and evaluate music using musical vocabulary
- To contrast the work of famous composers and show preferences

Geography

Map Skills

- To name and locate many of the most famous mountain regions
- To locate USA and Canada on a world map and atlas
- To collect information about a place and use it in a report
- To find possible answers to their own geographical questions
- To use maps, globes, atlases and digital mapping to locate countries and describe features shown
- To use the eight points of a compass
- To use four and six-figure grid references, symbols and key (PS maps)
- To observe, measure and record the human and physical features in a local area using a range of methods.
- To sketch maps, plans and graphs.

Year 5 – Autumn 2 Where in the World?

Hook Lesson: Baking Bread



RE

Theme: Christmas

Concept: Incarnation

Key Question: Is the Christmas story true?

Religion: Christianity

Computing

Vector Drawing

- To introduce digital formatted drawings
- To create digital drawings with increasing complexity
- To understand layering within a digital image
- To manipulate objects through editing (grouping, duplicating, copy and pasting)
- To design a label for the classroom

PE

Dance

- To plan and perform a dance
- To compose motifs and plan a creative dance.
- To work collaboratively to create a piece.
- To perform differently styles of dance clearly and fluently.

Games/Football

- To gain possession by working collectively.
- To pass in different ways.
- To choose the best tactics for attacking and defending.
- To use a number of techniques.