

Art (skill focus):

Exploring a range of techniques to make a Mayan mask.  
Painting, printing, clay modelling etc.

**Numeracy**

**Multiplication & Division**

- Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication.
- Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.
- Identify common factors, common multiples and prime numbers.
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
- Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).

**Problem solving**

-Solve multi-step problems in contexts, deciding which operations and methods to use and why involving multiplication, division, addition, subtraction and place value.

**Science- Chemistry**

**Properties and changes of materials**

- Compare and group together everyday materials based on evidence from comparative and fair tests, including their hardness, solubility, conductivity (electrical and thermal), and response to magnets.
- Understand how some materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution.
- Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.
- Demonstrate that dissolving, mixing and changes of state are reversible changes.
- 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,

**MFL:**

To develop and improve basic Spanish vocabulary

**Music:**

To develop an understanding of the orchestra.

**Bigger Picture:**

By the end of this term year 5 will have gained an understanding of the processes involved in product development

*Topic: The Ancient Maya  
Year: 5  
Term: Autumn 2*

**Computing:**

**Spreadsheets:**

- to change variables in a spreadsheet to solve problems.
- To make predictions and changes and check results.
- to enter formulae for the four operations (+-x/) into a spreadsheet
- to use 'SUM' to calculate the total of a set of numbers in a range of cells
- to change data in a spreadsheet to answer 'what if...?' questions and check predictions

**Stop animation:**

-Plan a storyboard for a video or animation. Create, edit and refine.

**PSHE/E-safety**

**-Seasonal events**

-To discuss using technology responsibly, securely and safely

**DT:**

Design and make a chocolate bar.

Design the packaging, devise a delicious recipe and evaluate the outcome.

**RE:**

Creation and science; conflicting or complementary?

**Literacy focus:**

**Instructions & Explanation texts**

By the end of the term, the children will be writing their own instructions for a chocolate task, as well as an Explanation text based on Mayan pyramids.

**Guided Reading:**

Based on their class story, the children will be developing their reading skills alongside their comprehension.

**Class story:**

**Kensuke's Kingdom (5T)**

**The lion, the witch and the wardrobe (5S)**

**PE:**

**Gymnastics and Dodgeball:** To develop skills to enable children to complete gymnastics and play dodgeball. Children to gain an understanding of the rules, as well as techniques used in these sports.