

Autumn 2 Curriculum Overview

Please note that this overview is a guide and may change slightly depending on the children's understanding and the pace of learning in class.

Mondays

Maths

3rd November: Find the perimeter of different shapes. UKS2: Use algebra to represent and calculate missing lengths.

10th November: Find the area of shapes, including rectangles, parallelograms and trapezia. UKS2: Use algebra to calculate unknown values when finding the area.

17th November: Understanding angles in a full turn and on a straight line. UKS2: Use algebra and decimals to explore percentages and proportions of a circle.

24th November: Investigate angles in different types of triangles (e.g. equilateral, isosceles and scalene). UKS2: Apply knowledge of angle properties to find missing angles using reasoning and calculation.

1st December: Explore angles in quadrilaterals. UKS2: Identify and use corresponding angles in problem-solving.

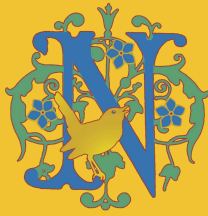
8th December: Understand vertically opposite angles. UKS2: Identify and use corresponding and alternate angles in reasoning and calculation.

English: Literary language in poetry

3rd November: Explore how layout and presentation helps a reader to find and understand information. Children to create information texts on the rainforest (continuation from previous half-term).

10th November: Identify and discuss literary techniques, rhythm and rhyme in a selection of animal poetry. Introduce the language we use when discussing poetry.

17th November: Use metaphor and simile to create vivid imagery.



24th November: Use personification to create vivid imagery. Explore how alliteration and onomatopoeia contribute to the sound and rhythm of poetry.

1st December: Write a poem with vivid imagery and repetition to create rhythm.

8th December: Write a poem with vivid imagery and repetition to create rhythm. Edit and publish work.

Design & Technology/Woodwork: Design and make a Noughts and Crosses board (*It would be nice if this was kept as a surprise!*)

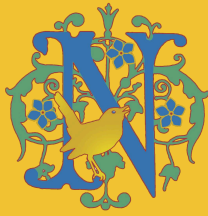
3rd November: Explore themes and create initial sketches. Use observation and reference materials to inspire ideas.

10th November: Develop final designs. Learn how to transfer identical designs onto wood.

17th & 24th November: Select and use suitable materials for decorating wood.

1st December: Apply the design layout for the 3x3 grid. Understand how to create functional design features using woodwork tools.

8th December: Apply a protective and decorative finish. Evaluate design choices and process.



Tuesdays

Tuesdays are taught by Nicola.

Maths:

Lessons will consolidate and extend learning from Monday's lessons, and include the following activities:

3rd November: Rectilinear challenge cards.

10th November: Perimeter/area game.

17th November: Use protractors.

24th November: Introduction to acute, obtuse, reflex and right angles.

1st December: Recap different quadrilaterals.

8th December: Create angle jigsaws.

English:

English will focus on reading comprehension, with questions covering the following skills:

Retrieval

Inference

Summarising

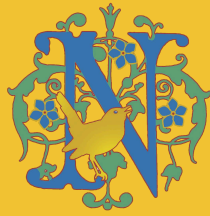
Predicting

Vocabulary exploration

Language Analysis

Engineering:

3rd November: Investigate strong shapes. Use split pins and cards to investigate which shapes deform before improving with struts. Look at the use of triangles in buildings. Challenge children to make a piece of paper hold up a brick.



10th November: Structural building challenge using straws. Children research and plan newspaper structures that can fit one child under, and provide protection from water.

17th November: Finish off newspaper structures and test them.

24th November: Bridge Strength 1. Paper & coins challenges. Explore 3 main types of bridge.

1st December: Bridge strength 2. Use lolly sticks to make triangle structure bridges. Whose bridge can go over the widest span with 100g in the middle of it?

8th December: Impress Us! Use knowledge about strength to turn cardboard boxes into an impressive tower or structure. Use plan, test, improve cycle and sketches.