

**ENTRY POINT-** Investigate properties of materials

**LITERACY Art 12, 13**

**Speaking and Listening**

- Explain and give reasons for views and opinions.

**Reading**

- Discuss and evaluate how authors use language and explain its impact on the reader.
- Predict, explain and make inferences using evidence from the text.

**Spelling**

- Create nouns using suffixes -ity/-ness/-ship
- Identify and use homophones correctly

**Writing**

**Narratives, Explanatory texts, News articles**

- Use commas to clarify meaning and avoid ambiguity
  - Use brackets, commas or dashes to indicate parenthesis
  - Use semi colons and colons appropriately
  - Identify and use different clauses - relative, main, subordinate.
  - Identify and use different phrases e.g adverbial, noun
- Evaluate and edit writing to improve the content.

**MUSIC- Art 31**

- Investigate the topic of forces in music including acceleration; tempo and light/ heavy.
- Learn and practice songs for the Brighter Sounds Project

**PHSE Paths - Art 29,3**

To plan, set and evaluate goals  
To share strategies to overcome obstacles.

**RE- Sikhism / Easter Art 14**

To explain and understand main Sikh Beliefs  
To know the importance of Guru Nanak  
To know the importance of Easter in Christianity

# Making New Materials



**Year 5 Spring 1 and 2 2019**

**Science Art 23, 6**

**Properties and Changes in materials**

- Compare and group together everyday materials on the basis of their properties
- Explain and give examples of reversible and irreversible changes to materials
- Record results and observations.
- Give reasons, based on evidence from comparative and fair tests

**Living Things and Their Habitats**

- Compare habitats of living things and how these relate to food chains
- Explain and compare lifecycles e.g mammal, insect
- Explain the process of reproduction in flowering plants
- Know the stages of growth in humans/(Human lifecycle )

**Geography Art 13**

- Name and locate major rivers around the world using an atlas
- Explain the course of a river
- Explain the importance of rivers
- Use and make maps and plans of different locations

**International - Art 41 27**

- To know how international agencies help support each other to increase energy efficiency and tackle the problems of pollution.

**EXIT POINT-**To make a model of a habitat using different materials

**NUMERACY Art 28**

**Number and Calculation**

- Count forwards and backwards with positive and negative ,whole numbers and decimal numbers
- know tables to 12 including inverse.
- Consolidate factors, multiples and prime numbers
- Understand and use the inverse relationships between multiplication and division.
- Read and write Roman Numerals to 1000
- Order and compare fractions ,decimals and percentages
- Add, subtract, multiply and divide fractions

**Reasoning & Problem solving**

- Learn efficient strategies to calculate answers mentally
- Represent information in a puzzle or problem using numbers, images or diagrams.
- Use all four operations to solve real life problems with one and two steps.
- Use mathematical vocabulary in explanations
- Solve problems with tables, graphs and charts.

**PE Art 24**

**Gymnastics**

- Balancing at different levels
- Fluidity between sequences. Strength work

**Tag Rugby**

- Passing and receiving
- Loop and switch passes
- Dodging, attacking and defending

**ICT Art 13, 17**

**Art /Website Design**

- Become familiar with the tools and techniques of a vector graphics package
- Understand some elements of how search engines select and rank results
- Develop their research skills to decide what information is appropriate for a website