

## Year 5 - Term 2 – What is Chemistry?

### Synopsis

In this project, Year 5 will be learning about the properties and changes of materials. They will look at the hardness, solubility, transparency, electrical and thermal conductivity and response to magnets. They will look at dissolving materials and finding ways to separate materials using comparative and fair testing. We will then look and identify the differences between reversible and irreversible changes.

### **Science:** Properties and changes of materials.

- Compare and group materials on the basis of their properties.
- Know some materials will dissolve.
- Identify how to separate mixtures.
- Comparative and fair test for the particular uses of everyday materials.
- Demonstrate that there are reversible changes.
- Explain that some changes result in the formation of new materials and are irreversible.

### Art

Painting the Big Freize; linked to our RE topics.

### Computing

Game creator – plan, design and evaluate a game.

### Maths

- Addition and Subtraction – Add and subtract numbers with 5 digit numbers, decimal numbers with 3 decimal places and mixed decimal numbers.
- Multiplication and Division: Powers of 10 – Multiply and divide a whole and decimal number by 10, 100 and 1000.
- Multiplication and Division – prime numbers, common factors and multiples, square and cubed numbers.

### English

- Non-fiction – Explanation text. Outcome is to answer an explanation question linked to the science unit.
- Double page spread linked to the RE outcomes.

### PSHE

Celebrating Differences: Different cultures, understand racism, understand types of bullying and compare my life.

### Music

Charanga Classroom Jazz: The Three Note Bossa and Note Swing. This introduces the children to learning about the language of music through playing the glockenspiel.

### PE

- Outdoor – Hockey games.
- Indoor - Real Gym Units 1 & 2 - Partner work and large apparatus.

### RE

- What does it mean if God is Holy and Loving?
- Why do Christians call Jesus the Messiah?

### MFL – French

- I can talk about my house and where I live.
- I can talk about some aspects of Roman history.

### Homework

- Read 5x week 20 minutes
- Times Tables Practice
- Practice of Y5 & 6 Statutory words
- Creative Homework** - Make a lava lamp: <https://www.sfi.ie/research-news/news/STEM-at-home/>
- Investigate which is the best material to stop an ice cube melting..