

Making New Materials

Explaining the Theme

The big idea

We are surrounded by amazing materials that can be shaped, combined, condensed, frozen, melted and burned. In this unit, we are going to experiment with different kinds of materials, and become cooks, chemists and creators of new materials.

In Science, we'll be finding out:

- About the chemistry of cooking
- What happens when we dissolve or melt things
- About gases and what they are
- About different materials used in the kitchen
- About conductors and insulators
- About magnetic materials and their uses
- How to separate mixtures by sieving, filtering and evaporating

In Technology, we'll be finding out:

- How to make our own clay
- How glass is made
- How to create a brand new material

In History, we'll be finding out:

- About the importance of bronze, iron and clay
- About wax, papyrus and paper

In Art, we'll be finding out:

- How artists use different materials in their work
- How to choose materials to express an idea

In International, we'll be finding out:

- How different countries work together to invent new materials