**Plastic Pioneers**

**Key Stage Two**

**NC references**

Working scientifically

Identify scientific evidence that has been used to support or refute ideas or arguments (They might research and discuss how chemical changes have an impact on our lives)

**Learning objectives**

Use research to identify scientific processes related to plastic

Identify how the invention of new materials have an effect on our lives

**Teaching ideas**

Challenge children to find out about different scientists/ groups that have been involved with creating plastic.

Key scientists/ groups that children could research are:

*Alexander Parkes, the inventor of fully synthetic plastic*

*Leo Baekeland, the inventor of Bakelite*

*Wallace Carothers, the inventor of nylon*

*Earl Tupper, the inventor of Tupperware*

*Nathaniel Wyeth, the inventor of the drinks bottle*

Children could record their findings under the following headings:

|  |  |
| --- | --- |
| Name |  |
| Key dates |  |
| Invention |  |
| Summarise how the invention was discovered or created. |  |
| Why is/ was the invention important? |  |
| What are the advantages of the invention? |  |
| What are the disadvantages of the invention? |  |

Children might also find out about people or groups who are campaigning for a reduction in plastic pollution:

*Kids Against Plastic*

*Boyan Slat, CEO of ‘The Ocean Clean Up’*

*Surfers Against Sewage*

*Greenpeace - ‘Plastics Pledge’*

|  |  |
| --- | --- |
| Name |  |
| Purpose |  |
| Key messages for reducing plastic pollution |  |