

## Central Idea

This statement ties the learning together to create connections and provide a context across pupils' knowledge.

# Materials behave and interact in certain ways which determine how they are used.

Words in blue do not link to the central idea.

## Lines of Inquiry

These inquiries are the phases of learning that take place, supporting the children to develop their understanding of the central idea.

- How materials behave (form)
- The changing properties of materials (change)
- The manipulation and application of materials for a new purpose (function)

## Maths

### Money & Shape

- Recognise coins and notes
- Make the same amount in different ways
- Add totals and find change
- Name a range of 2D and 3D shapes
- Name some properties of shapes

## PSPE

### PSHE: Money and work

- What money is
- Needs and wants
- Looking after money

**PE:** Invasion games-tag rugby

## Computing

- Collect and present data as a tally & total
- Use J2data to create a bar chart
- Add text to write a title and label the axis

## Science

### Materials:

- Reversible and irreversible changes
- Investigation focus
- Make simple predictions
  - Make conclusions from results
  - Measure

## YEAR 2 MODULE 4

## Social Studies

### History:

- How did people recycle in the past?

### Geography:

- Compass points and grid references
- Continents of the World
- 7 oceans of the world
- Impact of plastic in oceans

### RE:

Who is Jewish and what do they believe?

## The Arts

### DT:

- Engineering - making a stable structure
- Bridge building competition

## English

**Key text:** The 3 Little Wolves and the Big Bad Pig.

### Writing Outcomes:

Diary  
Narrative

## Apps

Spelling Shed  
TTRS  
Numbots

## Visit

- Look at local buildings and bridges to see how they are constructed
- Visit the beach to see how much rubbish is there/plastic
- Visit local recycling centres

## Websites

BBC bitesize materials

[BBC bitesize- exploring materials](#)

## Get Creative

- Make a bridge or another structure thinking about how to make it stable- you could use lego or empty boxes
- Design a building- what would your ideal building look like?
- Make a poster encouraging people to recycle

## In the Car

- Play I spy
- Look out for interesting structures such as bridges
- Look out for the way materials are used in different places

# YEAR 2 MODULE 4

## Home Learning Opportunities

## Communicate

- Make posters encouraging people to recycle
- Encourage people at home to recycle plastic and not to use single use plastics
- Take part in a scheme that picks up rubbish - beaches often run these

## Look Out For

- Books about recycling and the impact of plastic in oceans
- Interesting buildings and structures
- How materials are used in your local environment
- Charity events linked to plastics in oceans

## IT

- Research how plastics are recycled in this country and others
- Make posters using IT
- Research the history of recycling
- Explore online maps and atlases

## Get Outdoors

- Collect a range of natural materials and then classify
- Go to a local beach to see the impact of plastics on the sea/beach
- Make sketches of any interesting structures you see