

Primary lesson plan

Sciences

In England:

KSI & II, Year 1, Unit 1c, Section 8:

Choosing materials for a purpose

In Scotland:

Early and First level, Science

Properties and uses of substances, SCN 0-15a

Properties and uses of substances, SCN 1-15a

Objective:

- To teach children to recognise that materials are chosen for specific purposes on the basis of their properties.

1 Play the **naming game**: ask the class to name the external and internal features of a house shown individually on the interactive whiteboard and label them.

2 Have a discussion about what each one is 'made of'. You could bring in relevant materials for the class to see and feel to prompt them (eg. a brick, glass bottle, a tile or, slate, plank of wood, piece of carpet, cloth).

3 The reveal on the whiteboard shows each material up close for the class to identify and label.

4 Ask why we use these particular materials to build a house. Could we swap them around? Would we use bricks to make a window? Why not? What about wood for a roof, or wool for a wall? Why not? This should help produce some characteristics, or **properties of each material** that you can write on the whiteboard next to their name.

5 Explain to the class that these materials help to make homes safe, warm and comfortable.

6 You could link this with our Maths KSI lesson plan, which is an activity about different shapes that make up a house.

