

Bretnside Knowledge Organiser - Science

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| Year:1 | Topic: What material can the three little pigs use to build their house. | National curriculum: identify and name a variety of everyday objects. Distinguish between an object and the material it was made of. Describe the simple physical properties of everyday materials. Compare and group materials based on simple physical properties. |
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What I should already know:

Children know about similarities and differences in relation to places, objects, materials and living things.

What I should know at the end of the topic:

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| | I will be able to differentiate between an object and the material from which it is made. |
| | I will know how bricks are joined together and the difference between natural and man-made materials. |
| | I can name some properties of materials discussed. |
| | I can explain which properties are best suited to for building different structures. |

Investigate:

Can you investigate what materials you can find around your house?
Can you investigate the best material to use when building a roof?

Diagrams:



Vocabulary

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| Materials | What an object is made from. |
| Transparent | Something that is clear and lets light pass through. |
| Opaque | Something that doesn't let light pass through. |
| Waterproof | Doesn't let water pass. |
| Absorbent | Soaks up water |
| Man-made | Something that has been formed by humans. |
| Natural | Found from the Earth around us |
| Wood | A hard natural material. |
| Plastic | A material that can be easily shaped or moulded. |
| Glass | A clear material that can be broken easily. |