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| **Chacewater School – LEAP into Learning – Autumn 1 – Seedlings** **Science: Everyday materials** **Our enquiry: Which materials should the Three Little Pigs have used to build their houses?** |
| https://cdn-icons.flaticon.com/png/512/2538/premium/2538036.png?token=exp=1645701022~hmac=a01a43d45841fc40ba345d4de65f8220https://cdn-icons.flaticon.com/png/512/2538/premium/2538036.png?token=exp=1645701022~hmac=a01a43d45841fc40ba345d4de65f8220What I might already know: I can name some materials and explain why they are used. |
| **Everyday materials and their properties** | **Vocabulary** |
|  | **https://lh3.googleusercontent.com/L7IL5F9zYHVTgTQ1hiYp7kuiDj8iFESd2EtaNETc9V_ccgx3G1SMG6jRJ029i58nAirNexJK5ddpG7-qk5Wnsq0jx0mII31bD0A3zyhmPDBRrRvniys8_SyzYhVwTg** | **Hard**Not easy to break**Soft** Easy to fold, cut or change shape **Stretchy** Can be made longer or wider without breaking**Brittle** Hard, but may break easily **Shiny** Reflects light easily **Dull**Not very shiny or bright**Squashy**Easily crushed or squeezed | **Rough**Has an uneven surface **Smooth** An even surface with no lumps or bumps**Bendy**Can be bent easily**Waterproof**Keeps water out **Absorbent**Easily soaks up liquid **Transparent** Easy to see through **Opaque**https://cdn-icons-png.flaticon.com/512/775/775497.pngCannot be seen through |
| **Key facts!*** You can tell different materials apart by feeling them. Are they hard or soft, flexible or stiff?
* Materials are used for different reasons. Some materials are better than others for certain objects; for example, metal shoes wouldn’t be very comfortable to wear and a cardboard door wouldn’t be very strong!
* An object can be made out of different materials used together; for example, a chair can be made from metal and wood. A pencil is made from wood and lead.
 | **https://lh4.googleusercontent.com/qJeD_vGfIvEfHzl0SuHa0Nxx44N_vN3u29zBHBo4J3qMfP9QDF9CUClnZ425mMa1dFElpQzRqgb5zpaSb4-AVZpc2yKVe8fxvwOgsck4qp58sWA3tDki5tJCAKQkeghttps://lh5.googleusercontent.com/XKKBXJb59y9dlW-SRWgBy7Aq9JHH43QY_F1I0Z5MFve5HehG_dkJW_GWVrqpSkaYD-xZ7CISBvLr8fX76d9XN_T2adg95dyJQ6W63IZyr4IPdHWYkgJiWj_nfohhwAWhat we will be learning:** * How to carry out an investigation to find out which materials would be the most suitable to build a strong house.
* Testing materials to find out which ones are waterproof.
* Observation overtime – what happens to ice if we leave it on the windowsill?
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