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| **Everyday Materials** | What can a boat be made out of? |
| 1. How can you change the shapes of solid objects, by squashing, bending, twisting and stretching?
2. What everyday objects are made from wood, metal, plastic, glass, brick and paper?
3. What questions could you ask to find out about materials?
4. How could you sort different materials?
5. What tests could you do with different materials and what equipment would you need?
6. How could you use what you see to answer your questions?
7. How could you collect the information from your tests?
8. What could you make from drilling, screwing, gluing and nailing?
9. What could you make from levers, wheels and winding?
10. https://images-na.ssl-images-amazon.com/images/I/61GaaHsriOL._SX490_BO1,204,203,200_.jpgHow could a low battery or damage stop something from working?

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Related Milestones:

Science M1:

To investigate materials • Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching • Identify and compare the uses of a variety of everyday materials, including wood, metal, plastic, glass, brick/rock, and paper/cardboard.

To work scientifically • Ask simple questions • Identify and classify • Perform simple tests • Observe closely, using simple equipment • Use observations and ideas to suggest answers to questions • Gather and record data to help in answering questions.

DT M1:

Construction • Use materials to practise drilling, screwing, gluing and nailing materials to make and strengthen products.

Mechanics • Create products using levers, wheels and winding mechanisms

Electricals and electronics • Diagnose faults in battery operated devices (such as low battery, water damage or battery terminal damage)