



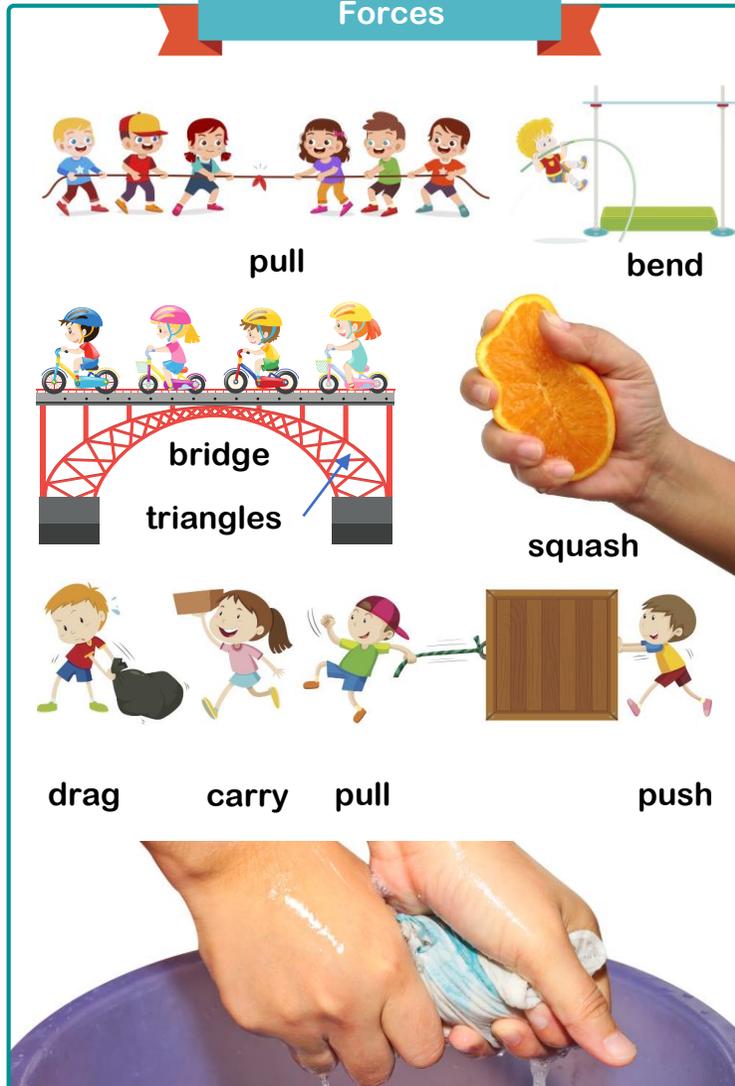
Lesson Sequence

-  1. Identify different materials and their uses
-  2. Understand how to select the right materials to build a bridge
-  3. Explore and test the stretchiness of materials
-  4. Understand materials can change their shape by twisting, bending, squashing or stretching
-  5. Learn about Charles Macintosh and explore how materials are suitable for different purposes
-  6. Discover which materials change shape when making a road with John McAdam

Materials

material		uses
wood		window frames, furniture, buildings, floors
metal		furniture, buildings, statues, pipes, jewellery
plastic		containers, toys, bags, pipes
brick		walls, floors
rock		roads, garden paths, floors, kitchen tops
paper		toilet roll, writing paper, newspaper, cardboard
glass		drinking glasses, windowpanes, television screens

Forces



pull

bend

bridge triangles

squash

drag carry pull push