

November 2024 part 2















HAND

WHAT'S HAPPENING?
Machines can help you move heavy things like this car with just a small amount of force. A force is a push or a pull. When you push the handle, the moving parts in the machine multiply the force to make it big enough to move the car.

- HANDLE - BLACK**
Pushing or pulling this handle in a circle applies force to the machine.
- SHAFT - YELLOW**
A long cylinder that passes on force as it moves or turns.
- BEARINGS - RED**
Inside these parts are small balls called bearings. They help the parts to move more smoothly.
- CAM - ORANGE**
A rotating part that changes the turning force into the up-and-down movement of the car.
- GEARS - BLUE**
Round parts with teeth around the edge. They pass on force as they turn.
- WEIGHTS - GREEN**
Heavy parts that help to balance the weight of the car.



















