



## Prototype

A prototype is the original model, a sample on which to base future designs. A prototype is built to test a concept to act as a thing to be replicated (copied) or learned from.

Have you ever built a ROBOT before?

☐ No ☐ Yes - if yes what kind of robot did you build?

## Milo the Science Rover

**Scientists and Engineers** have always challenged themselves to explore remote places and make new discoveries. To succeed in this journey, they have designed spacecraft, rovers, satellites, and robots to help them see and collect data about these new places. They have succeeded many times and failed many times, too.

**Remember that failure is a chance to learn more.**

Use the following ideas to start thinking like a scientist:

1. Scientists send **rovers** on Mars.
2. They use **submarines** in water.
3. They fly **drones** in a volcano.



Use the word **PROTOTYPE** in your explanation.

**What do scientists and engineers do when they cannot go where they want to explore?** Use examples of what you did to create Milo to support your evidence.