

## Objective

By the end of this lesson, you will have a basic understanding of robotics and how to build a simple robot.

## Materials and Prep

- Cardboard
- Motors
- Battery pack
- Wires
- Scissors
- Tape
- Markers
- No prior knowledge required, just come with a curious mind!

## Activities

- Build a simple robot using cardboard, motors, and a battery pack. Experiment with different designs and see how they affect the robot's movement.
- Program your robot to move in a specific pattern using markers. Learn about basic programming concepts like sequences and loops.
- Create a mini obstacle course for your robot to navigate through. Test and improve your robot's design based on its performance.

## Talking Points

- "Robotics is the science and technology of designing, building, and programming robots to perform tasks."
- "Robots can be simple or complex, and they are used in various fields like manufacturing, healthcare, and space exploration."
- "Building a robot involves understanding how different components like motors, sensors, and controllers work together."
- "Programming a robot involves giving it instructions to perform specific tasks, similar to how we follow a recipe to cook a meal."