

JR.ROBOTICS

CLASSROOM COURSE

LESSON ONE

- Introduction to Robotics
- Robots characteristics
- Types of robots Robots
- Uses of robots Robots
- LEGO®MINDSTORMS Introduction

LESSON TWO

- Main MINDSTORMS EV3 Parts
- MINDSTORMS Building Pieces
- Building Exercise 1
- LDD Introduction
- Introduction to Algorithms

LESSON THREE

- LEGO DIGITAL DESIGNER Basics
- LDD Modes
- LDD Controls
- LDD Tips and Tricks
- LDD Exercise 1

LESSON FOUR

- Building Exercise 2
- Basics of Coding
- Motor Blocks
- Exercise 1
- Exercise 2

LESSON FIVE

- MakeCode Sound Blocks
- MakeCode Display Blocks
- Exercise 3
- Sensor Blocks
- Exercise 4

LESSON SIX

- MakeCode Loop Blocks
- Exercise 5
- Building Exercise 3
- Port View
- Building Exercise 4