Today's Goal

In today's class, we will look through the basics of the robot, and its' software.

Downloading the Software

- If you have already downloaded the software, awesome!
- If not, please go to this link, and download the software: **https://education.lego.com/en-us/downloads/mindstorms-ev3/software**
  - If you can not download the software at this moment, don't worry! Please just make sure you have the software downloaded by next session, where we will ramp up our coding.

Robot Essentials

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- **The Brick**
  - Ports
    - What is a port?
    - Types of ports
      - Motor Ports: A, B, C, D
      - Sensor Ports: 1, 2, 3, 4
- **Sensors**
  - What is a sensor?
  - Types of sensors
- **Motors**
  - What is a motor?

Software Basics

Software Basics

- What does the software look like?
    - Block programming
        - Types of blocks
    - Managing projects
    - Viewing sensor values