

The George Washington University
Department of ECE
ECE 001 - Intro: Electrical & Computer
Engineering

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Class 3

Class Outline

- **Building the basic Robot structure**
- **Programming Robot to go forwards and backwards**
- **Using the Handyboard sans computer.**

Building a Simple Chassis

- Using the Legos provided, construct a small chassis capable of carrying the load of the handy-board.
- Attach motors to chassis.
- Attach a gear to the motor, as shown on the following page (figure 1).
- Put a gear and wheel combination on an axle.
- Align two gears as shown in figure 2.