

FOUNDATIONS TO

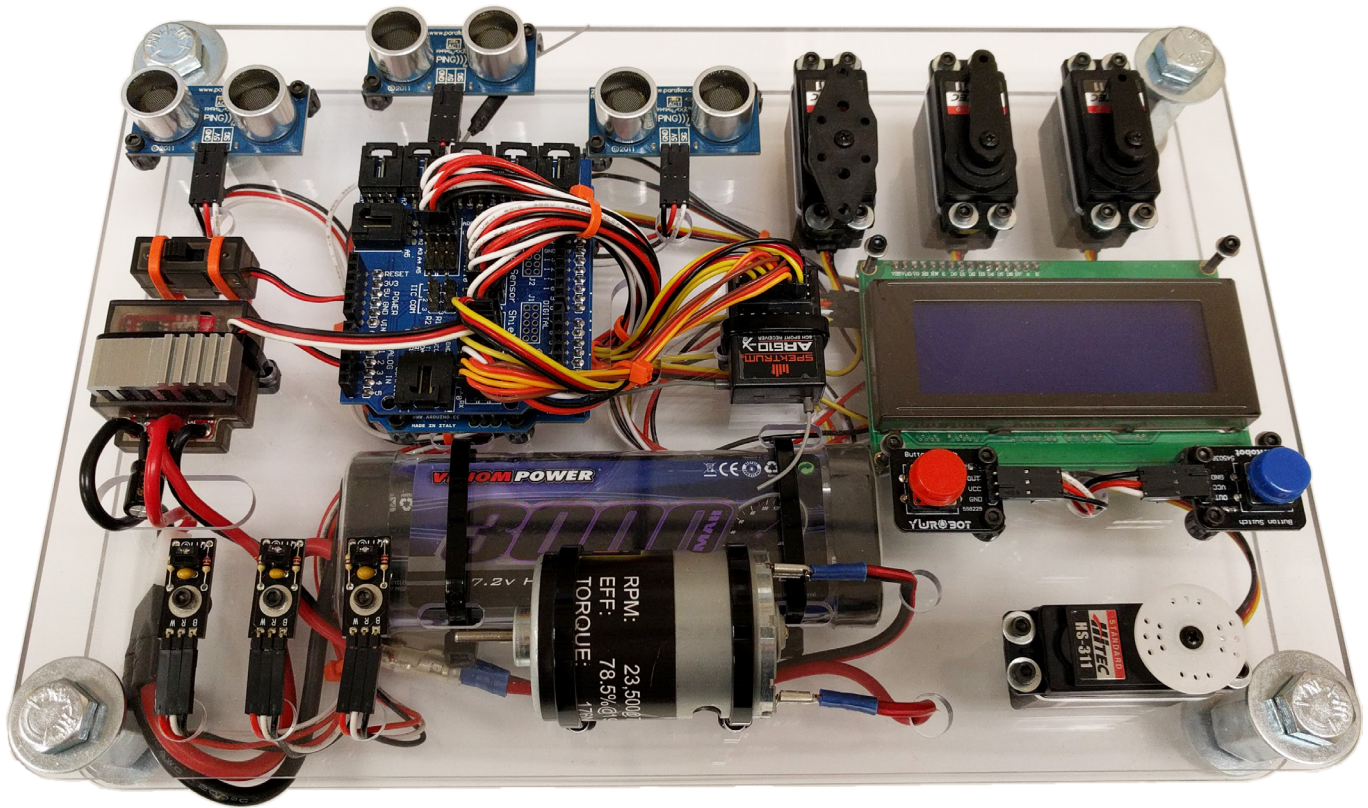
ROBOTICS | INTRODUCTION TO STEM ROBOTICS

TEACHERS RESOURCE

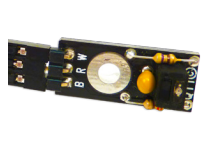
MINDS-i STEM INTEGRATED ROBOTICS: Breadboard

This teachers resource LAB is designed to accompany the MINDS-i Foundations Curriculum. It is a fully assembled and programmed robotics breadboard designed to aid in teaching programming.

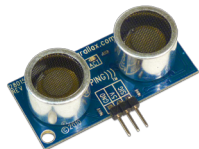
Allowing the teacher and students to physically interact with the sensors on a stationary platform. It can be used as a quick and easy method for checking the students wiring and code.



Buttons



IR Light Sensor



Ultrasonic Sensor



Arduino



Servos



RC Control



LCD Screen

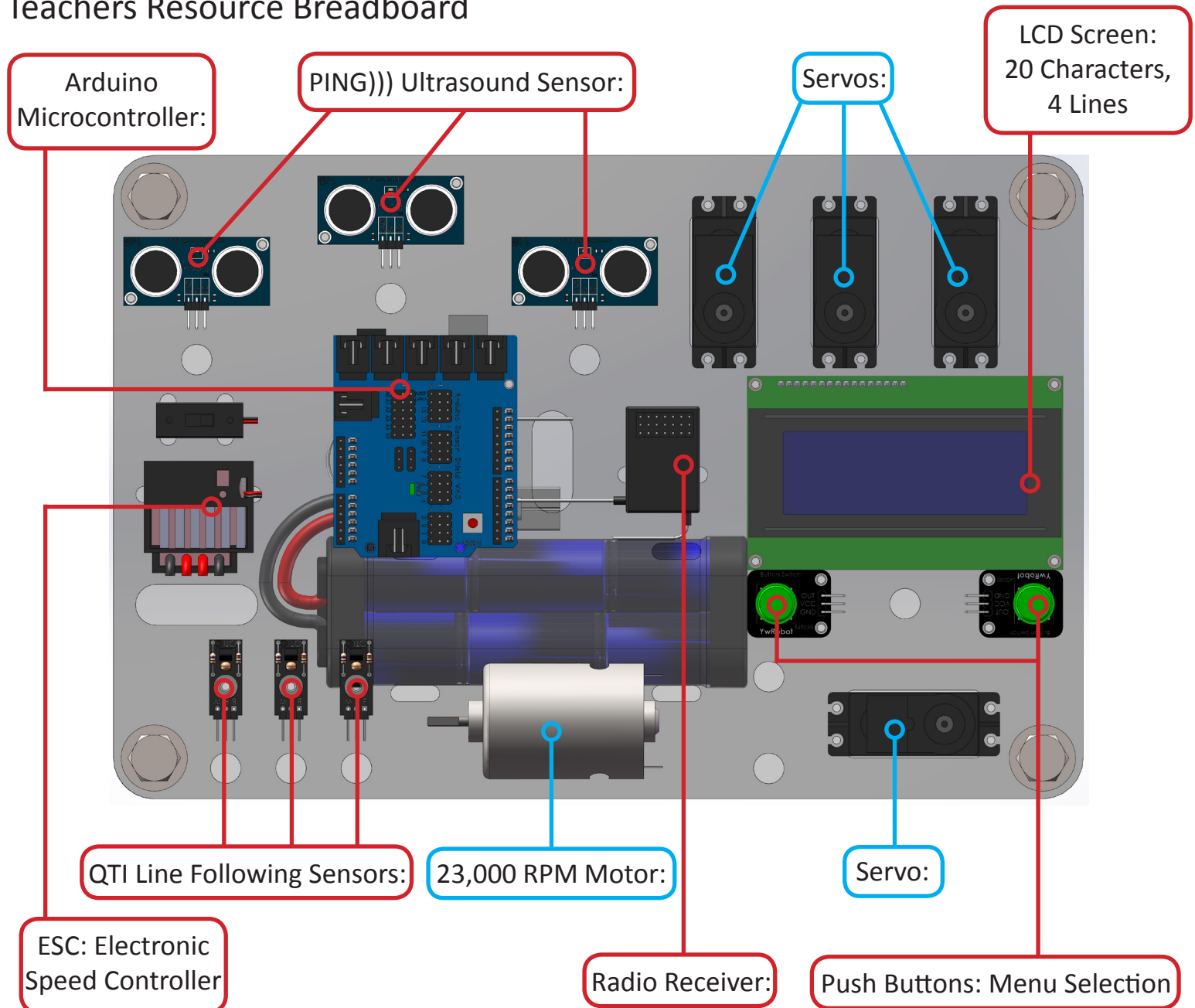


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MCK-FDTR-001

Teachers Resource Breadboard



Arduino Programming Software & Leonardo Hardware

- 20 digital I/O pins
- 7 PWM channels
- 12 analog Input channels (with ADC)
- Serial & I2C communication ports
- 32 KB flash memory & 16 MHz
- Full set of sample code in library
- Windows 10, OS X & Linux Ready
- Digital ports can operate servos, motors and sensors

