Robot Design

Rules on the robot size can be found in the BottleSumo Time Trial rules handout.
https://robots.acadiau.ca/Science-odyssey-may-2021-BottleSumo-event.html

- One colour/light sensor - two is recommended for a better performing robot

- Your light/colour sensor(s) should be IN FRONT of your wheels. *See diagram*.

- Your team may choose any robot design they want as long as the team follows the robot rules provided for the event.

- For this tutorial the motors and sensor are assumed to be in the pictured configuration.

Left Motor B

LEFT Colour Sensor 3

EV3 Brick

UltraSonic Sensor 4

Ultrasonic Sensor 3

Right Motor C
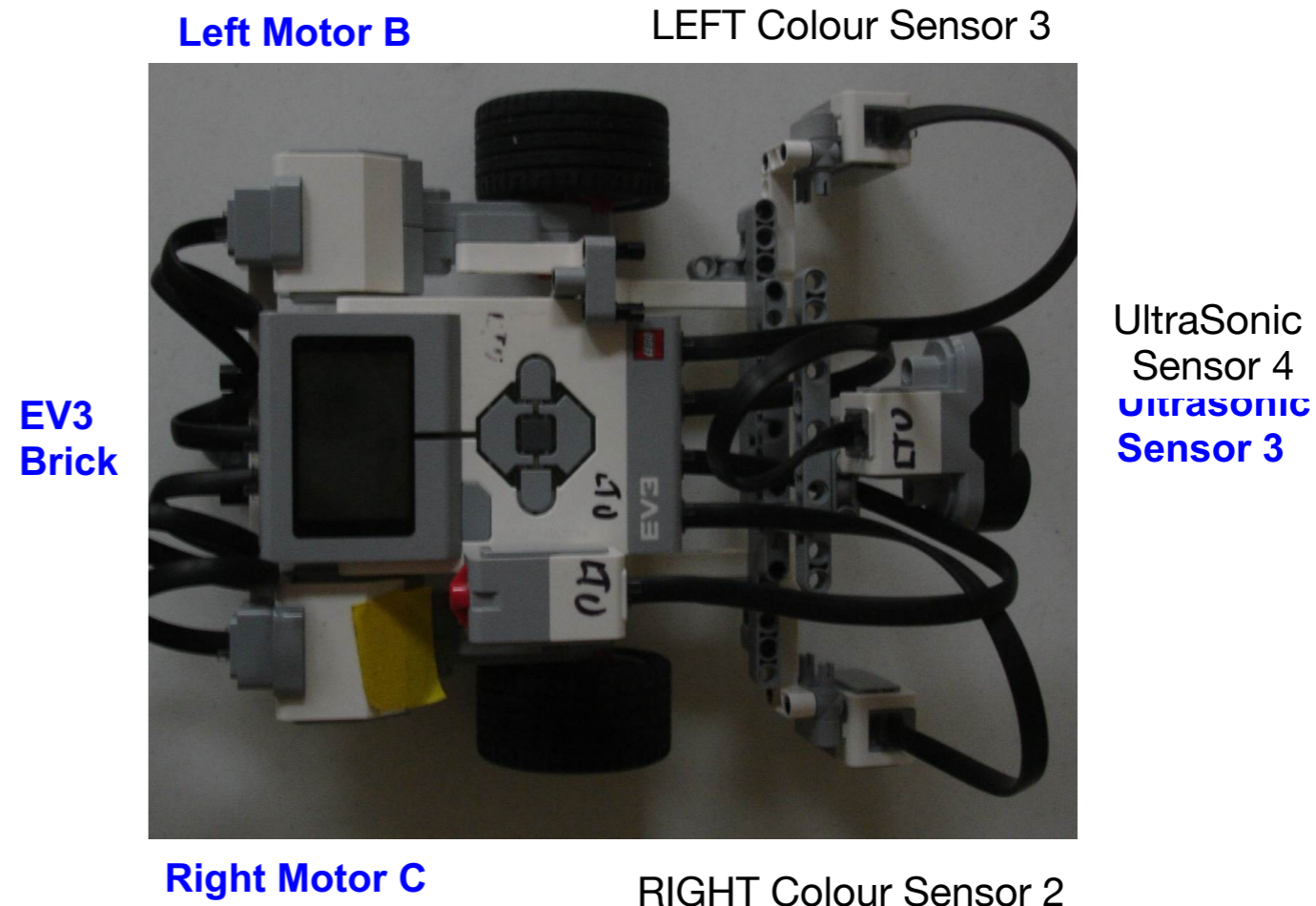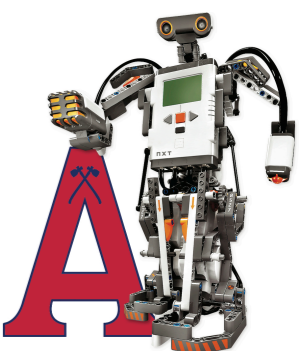
RIGHT Colour Sensor 2

Photo courtesy Robofest and edited for our workshop.

If your robot is using different ports for your motors or sensors, please adjust your programming to reflect the ports you are using.

Acadia Robotics https://robots.acadiau.ca/

Motor and Sensor Ports

Reminder to adjust programming based on your own robot configuration.

Our robot is set up with sensors in these ports.

- Left Motor connects to port B
- Right Motor connects to port C

- Left Light/colour sensor connects to port 3
- Right Light/colour sensor connects to port 2
- Ultrasonic sensor connects to port 4