LEGO Robotics Part One

SUBJECT	GRADE	NUMBER OF STUDENTS	TIME FRAME
Building and Setup	4th+	2-3	45 Mins

OVERVIEW

After completing this lesson, students will be able to build the Driving Base, connect the computer to the EV3 Brick, and download and run programs that control the robot's behavior.

Procedure

1. Students will build the Robot Educator Driving Base using the Building Instructions booklet or the Computer Building Software

   Optional: An effective way of allowing students to take ownership of their robot is
   to have them personalize it using additional LEGO elements and other material.
   By doing this, they can turn their robot into a puppy, elephant, or even a fantasy
   creature.

2. As a class, go through the process of connecting the computer to the EV3 Brick and running the first program OR direct the students to the Quick Start Video found within the computer software, which will help them to connect the devices for themselves.

3. Students will create a program file to make a simple program that will allow their robot to make play a sound that is appropriate for their creature