



# National STEM Scholar Program

## Star Wars Robotic Challenge with Edbot

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### Project Summary:

This project uses robot technology produced by Edison Robotics. Students will use math knowledge to help calculate the travel pattern of the robot. Then the students will learn how to program using text and icon-based code. These skills will allow the student to solve the creative challenge proposed by their teacher. The robot R2-D2 has lost power, and the students have to program an Edison robot to deliver a battery pack through dangerous course of Galactic Empire Forces. The students will also have to program their robot to insert the battery pack into R2-D2.

### Design Challenge Objectives:

1. Introduce students to the design process
2. Introduce students to the CAD programs and 3D printing

### Rebel Building Supply Options:

1. Introduce students to the design process
2. Introduce students to the CAD programs and 3D printing

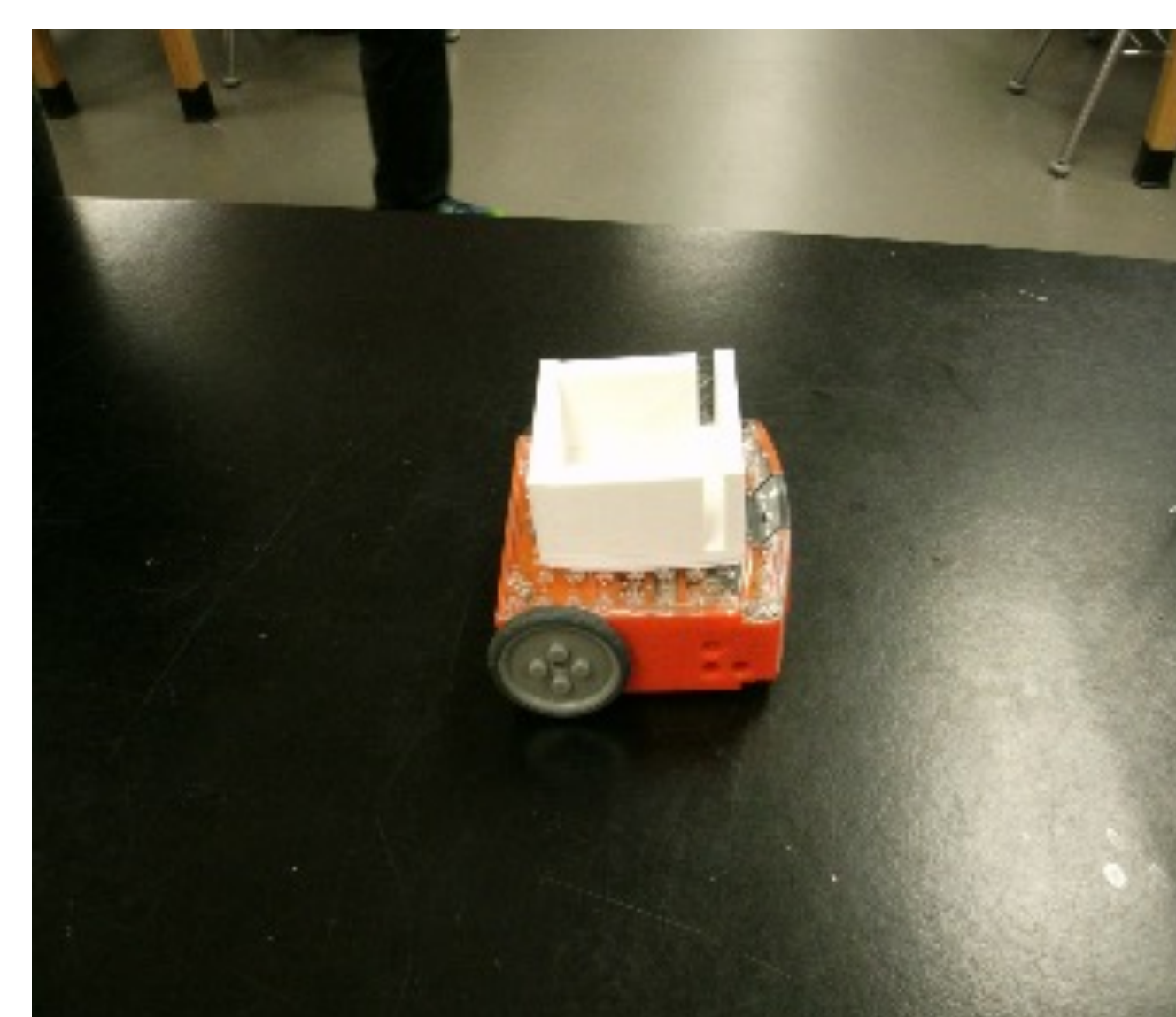
### Coding Challenge Objective:

Introduce students to coding and programming

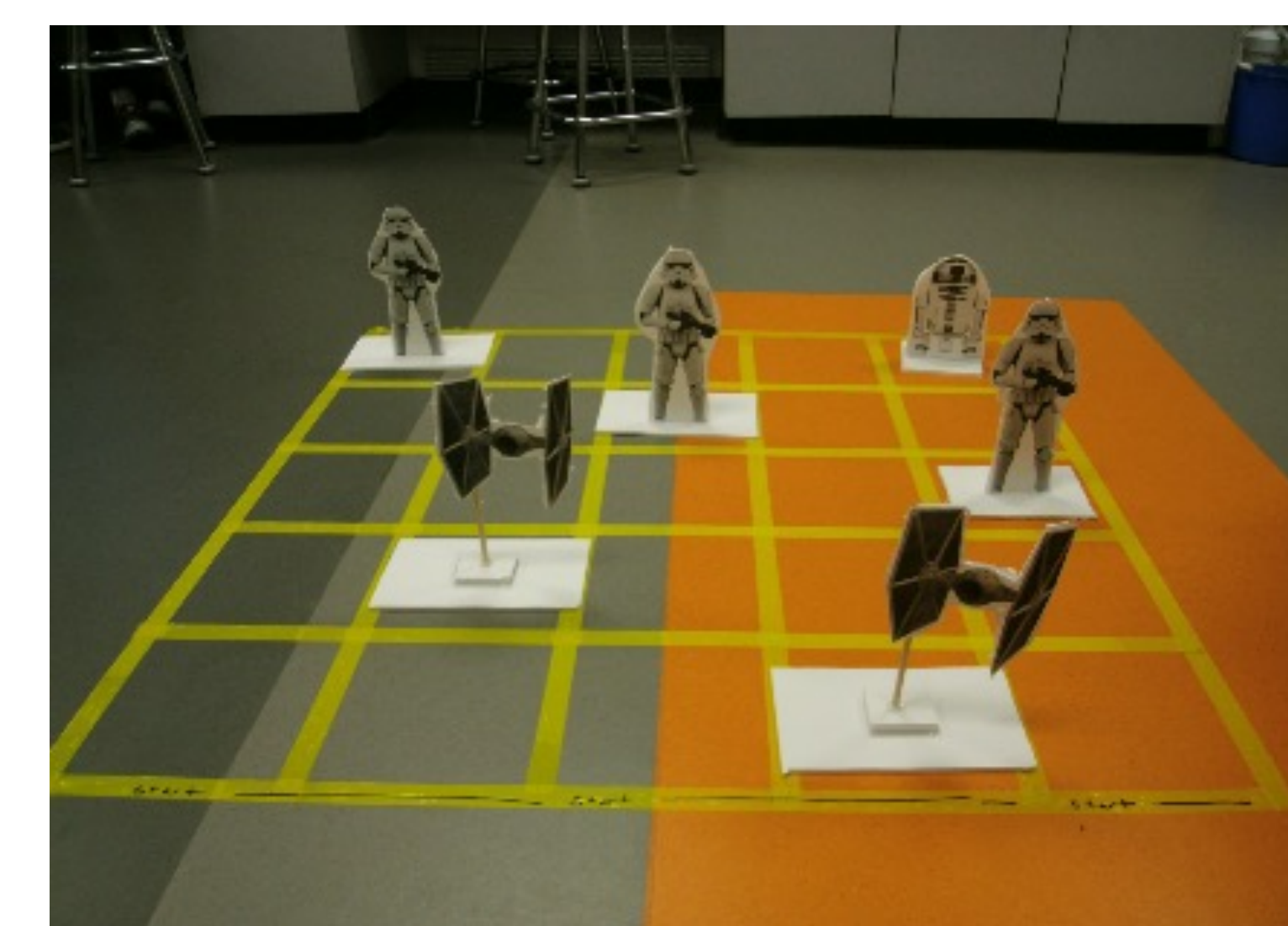
After extensive coding and program training, rebel students are able to program their Edbot through the Empire forces.



### Some Rebel Workers:



### The Course:



### Students Programming:

