EV3 Battle Bots (Tuesdays) Syllabus

[Spring 2020]

# Instructor Information

|  |  |  |
| --- | --- | --- |
| Instructor | Email | Class Location & Hours |
| **Sophia S. Mason** | [selfasteamml@gmail.com] | Vincent Place 185 E. Main St., Benton Harbor4th Floor Suite 408 Downtown Benton Harbor by Citerdal (1:00 pm - 3:00 pm) |

# General Information

## Description

Through real-life STEM challenges and engaging physical and digital creation, encourage your students to develop 21st century skills through coding as they program solutions in a real-world context.

## Expectations and Goals: (circle one): Pass/Fail or Grade Given

**Pass consist of class participation and three tests (beginning, middle and end of semester)**

# Course Materials

## Required Materials (most should be provided by teacher covered in course fee, indicate if provided by student, i.e. sewing kit)

## Optional Materials (provided by student/family)

# Course Schedule

|  |  |  |  |
| --- | --- | --- | --- |
| Week | Topic |  |  |
| Week 1 | Ice Breaker / Team Building Exercise / Introductions of the EV3 |  |  |
| Week 2 | Build and Battle |  |  |
| Week 3 | Build and Battle using motors |  |  |
| Week 4 | Build and Battle using motors |  |  |
| Week 5 | Build and Battle using sensors |
| Week 6 | Build and Battle using sensors |
| Week 7 | Build and Battle using sensors |
| Week 8 | Battle Bots Competition / Dismantle Robots/ Lakeshore Roller Rink Outing |

# End of Semester: Finished Work

* Evidence of Learning: class/parent/public performance