Lego Robotics 101 Engineering (Tuesdays) Syllabus

[Spring 2020]

# Instructor Information

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| --- | --- | --- |
| Instructor | Email | Class Location & Hours |
| **Sophia S. Mason** | [selfasteamml@gmail.com] | Vincent Place 185 E. Main St., Benton Harbor  4th Floor Suite 408 Downtown Benton Harbor by Citerdal (10:00 am - 12:00 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 the 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

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| --- | --- | --- | --- | --- |
| Week | Topic | |  |  |
| Week 1 | Week 1: Think Like a Robot / Team Activities/Build EV3 Robot | |  |  |
| Week 2 | Week 2: Learn Robot Functions | |  |  |
| Week 3 | Week 3: Learn Robot Functions | |  |  |
| Week 4 | Week 4: Introduction to Lego Mat / Work on Missions | |  |  |
| Week 5 | | Week 5: Work on Missions | | |
| Week 6 | | Week 6: Work on Missions | | |
| Week 7 | | Week 7: Work on Missions | | |
| Week 8 | | Competition Day / Dismantle Robots | | |

# End of Semester: Finished Work

* Evidence of Learning: class/parent/public performance