

# Robotics- Syllabus

La Conner School District

*Mr. Cicotte*

**Robotics** is a semester-long, engineering and technology class that guides students through building and programming autonomous robots to accomplish specific tasks. Students will initially be assigned robots and tasks then either continue building and programming a series of new robots, or identify an independent problem and design, build, and program a robot to solve that problem.

**Objectives:** Students will:

- Assemble Lego robots from directions
- Program the the robots
- Accomplish tasks with the robots
- Identify tasks and problems that might be done or solved with robots
- Design, build, program, and refine robots to do tasks

**Sample Course Vocabulary/terms:**

- Gears
- Programming
- Code
- Robot
- Autonomous

<b>Grading:</b>	Class Projects	40%
	Assignments/Quizzes	30%
	Weekly Progress and Effort	30%

**Grade Scale:**

- |               |               |
|---------------|---------------|
| • 94%-100%= A | • 74%-76%= C  |
| • 90%-93%= A- | • 70%-73%= C- |
| • 87%-89%= B+ | • 67%-69%= D+ |
| • 84%-86%= B  | • 64%-66%= D  |
| • 80%-83%= B- | • 50%-63%= D- |
| • 77%-79%= C+ | • 0%-49%= F   |

**Classroom Discipline/Expectations:** Students are expected to:

1. enter the room/gym quietly and on time
2. be prepared with required materials/clothing
3. participate and cooperate
4. follow directions given by the teacher
5. contribute to a learning environment
6. refrain from activities that disrupt learning
7. respect others

**Consequences:**

Students who fail to meet the classroom expectations affect the learning of themselves as well as the learning of others. Those who do not follow expectations will be refocused with the following actions depending on frequency and severity (at the teacher's discretion):

1. Verbal reminder
2. Individual conference with student
3. Temporary movement of student within the classroom to a position intended to help student meet expectations
4. Temporary removal of the student to the office
5. Office referral/meeting with principal.

**Electronic Devices:**

Use of electronic devices such as cell phones, iPods, tablets, etc. will be at the discretion of the individual classroom staff and/or building administration. Students who use their device inappropriately will have the item confiscated, stowed in plain sight, and returned at the end of the period. **Confiscation may occur without warning.** Repeated offenses and/or arguing with classroom staff will result in a disciplinary referral. **The school and/or district assumes no liability for lost, stolen, or damaged devices.**