

Marston Middle School  
www.sandiegounified.org/schools/marston

# Automation & Robotics

Mrs. Lori Holland

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## Mission Statement

The mission of Marston Middle School is to educate all students in an integrated setting to become responsible, literate, thinking, and contributing members of a technological society. Because we believe that all students can learn, we work cooperatively to instill confidence and self-esteem in every student. By creating a safe learning environment with an instructional curriculum enhanced by interactive technology and a partnership with parents, each student is valued and respected and has opportunities to succeed academically, socially, and personally.

### Materials:

Agenda, pencil & eraser, colored pencils, loose leaf paper, 3-ring binder (just one for all classes)

### Standards:

<https://www.pltw.org/automation-and-robotics-standards-alignment>

## Course Description

Automation & Robotics is a semester long course. Topics include:

**Mechanical Systems**

**Energy Transfer**

**Machine Automation**

**Computer Control Systems**

Students will use the VEX Robotics® to design, build, and program real-world objects.

## Technology Goals

The integrated 21<sup>st</sup> Century (i21) Interactive Classroom is an engaging and personalized learning environment designed to optimize teaching and learning through the interconnected use of mobile computing, audio, visual and formative assessment technologies across the curriculum.



Parent support in encouraging appropriate behavior and work ethic is greatly appreciated.

## Homework Goals

All assignments not completed in class become homework. *Homework is due the following day unless otherwise stated.* The time needed will vary from day to day depending on the nature of the assignment and the ability of the individual student.

## Grading Policy

Your *final grade* is determined by the percentage of total points earned in all units of study. Classroom assignments and homework will be used at the end of each unit of study as part of a notebook grade. Periodic checks and grading of assignments will take place to check for understanding and to ensure the completion of assignments. Benchmark assessments will be administered at the end of each unit. Forms of alternative assessments such as lab work, presentations, quizzes, on-line submissions, and projects will also be utilized.

### Grading Scale:

- 90-100%=A
- 80-89%=B
- 70-79%=C
- 60-69%=D

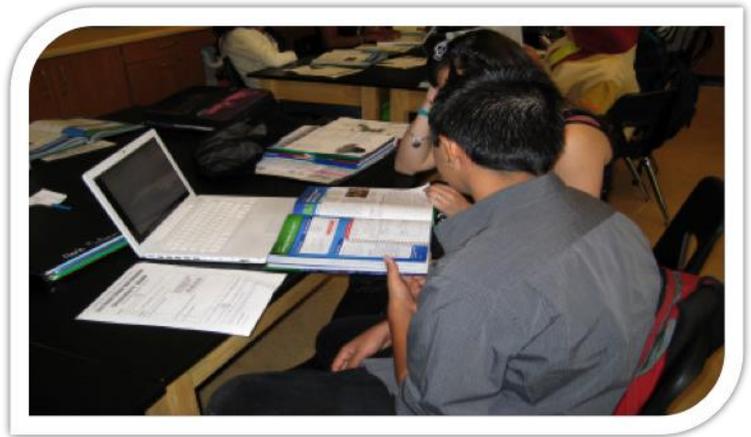


## Behavioral Expectations

1. Be safe
2. Be Respectful
3. Be Responsible
4. Work Together

## Consequences

1. Verbal warning
2. Student will remain 2 minutes after class.
3. "Think Sheet" completed during time-out, requires parent signature.
4. Detention & parent contact.



## Attendance

Students must be in class in order to learn. Students are marked tardy if they are *not in their seat* when the tardy bell rings. Each tardy will result in classroom "beautification". 4 tardies will result in a referral. It is the student's responsibility to determine missed work due to an absence. Students have one school day for each day of an excused absence to make up work.

# General Expectations



## Assignments & Homework

### Highlights...

Be organized & prepared!

Every minute counts!

Think & act for yourself!

Copy **BOTH** the assignment & homework DAILY in your student agenda. Being organized and prepared can lead to good grades and a successful school year.



### Pass Policy

Each student will receive 3 passes per semester to use for restroom needs & to see the nurse. You must use the hallway passport in the back of your agenda. Do not remove the passport from the agenda.

### Late Work

Late work will be accepted but **MUST** be complete and within the current grading period. The maximum grade that can be earned is 70% (C) of the total points possible.

### Packing Up Early

Every minute counts towards learning! Mrs. Holland will announce when it is time to pack up.



## Absent or Need Extra Help?

Check out **Planbook** (linked to my teacher page on the school website) for the daily update and posted assignments. Request makeup work if needed. Ask questions, in person or by e-mail. Tutoring is available every day before school, by appointment. I need to know that you are coming.



## Vandalism, Cheating, & Gum

Vandalism, cheating, & gum chewing will not be tolerated. Vandalism includes writing on the top or sides of the desks or counters. Think and act for yourself! Copying or letting someone else copy will result in a "0" for the assignment. Chewing gum *on campus* will result in you scraping gum out from under the tables or off the sidewalk.



[classroom.google.com](https://classroom.google.com)