

Tournament Robotics

--- Mohrweis | Cortex Crew ---

Instructor:

Michelle Mohrweis

Email:

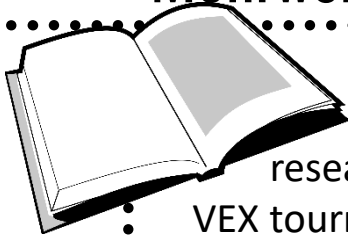
Mohrweis.michelle@
cusd80.com

Class Website:

www.cusd80.com/Page
/99142

Phone:

480 -883 – 5536



Topics Covered:

Robotics is a class where students research, build, and test robots to compete in VEX tournaments. The class is student driven, with students researching strategies and ideas, building their robots, and learning through trial and error. Students practice problem solving skills as they get their robots competition ready. Students learn to take charge of their education and develop life long learning skills, with guidance and assistance from their teacher.



Assignments and grading

40%

Projects and Work Done on Robots

40%

Weekly Logs, Written Work, etc.

15%

Completing daily Bell Work

5%

Exams and Tests

Missing work can be found in the "Missing Work" folders in the back of the classroom.

Tournaments

In the past, the class has attended 3 tournaments a year. Tournaments typically take place from around 8 to 4 on Saturdays.

Due to COVID-19, at this time there are no tournaments scheduled in Arizona. If things change and it becomes safe to attend tournaments, I will watch to see if any get posted. If we have no tournaments this year, then instead we will do challenges around the school using our robots.

After School Club

Students meet in class, and also after school as a club on **Mondays** from 4:00 to 4:45. Students who wish to take part in the club must be part of the class, and vice versa. On **Thursdays** students may attend an optional extra build day from 4:00 to 4:45.

Please note, for the duration of the pandemic, we will NOT be meeting after school. Instead, all Tournament Robotics work will take place during class time. When the pandemic ends, then we will resume club meetings.



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Late/make-up work policy

The expectation is that you submit all assignments on time. Late assignments will be accepted, but will only be able to earn 50% of the possible grade.



If you are absent, you will have one week from the day you return to complete your missing work. Students are responsible for checking the missing work folders upon returning to class.

If you are going to miss more than a week's work, or miss inspection days for the robot, please notify me in advance so I can get you alternate assignments.

Food and Drink

Food is not allowed in the classroom at any time. Please eat your snacks at lunch or between class.

Safety

In this class, you will have the chance to work with many unique tools, including saws and bolt cutters. You will be trained in proper use of these tools during class time. As a participant in VEX Robotics, you will be expected to act responsibly and follow all safety guidelines when using these tools.

If you do not feel you can handle that responsibility, please speak with me ASAP so we can look into changing your schedule.

Technology



We will be utilizing various types of technology, from computers to Spheros to tablets. Please treat classroom technology with care.

Cell phones should be put away unless asked to be used for academic purposes.

Cell Phones may be plugged in to the class charging station. However, you are responsible for reclaiming your phone at the end of class. Forgotten phones will be dropped off in the office.

Class Website

Several resources can be found on the class website. On the class website you can find:

- Class Information
- Extra Resources
 - Links to other projects and resources that can be used from home.
- 3D printing information.

The class website can be found at:

[cusd80.com/
Page/96572](http://cusd80.com/Page/96572)