Nadaburg

@ Nadaburg Elementary School

VEX ROBOTICS

You have been accepted into the Basic Engineering Club!!! We are very excited to begin another great year. Through hard work and dedication you will gain the skills to be a master builder!!!

I have enclosed the final schedule and some of the dates have changed. It includes the goals set for each month. I added the daily schedule of what we will be doing on Fridays with the Guidelines that you sign and turned in. Please sign up for BLOOMZ it is an app in the Google Play Store or iTunes. I have created a space to contact us, share events, dates, and photos. It is just for Robotics and the code is UF37A2.

Friday Schedule:

1) 8:30-9:00 Plan for Goals in Engineer Notebook with Legos

2) 9:00–11:00 Building and Planning with Lego Launch/Basic Vex Design

3) 11:00-11:45 Lunch and Break Outside

4) 11:45-12:45 Programming, Virtual Robotics, Continue Build

5) 12:45-12:55 Clean Up and Organize Parts/Room

6) 1:00 Wait in Front of the School for Parents to Pick Up

Guidelines for Basic Engineering Club:

1) **2nd through 8th Grade Students**
2) **Students must maintain the schoolwide goals:**
   - **Respectful– Of each other, the robotics lab, and Vex materials**
   - **Responsible– To complete the goals, engineering maps, and share tasks**
   - **Safety - To use parts and lab in a manner that would not cause harm**

Mrs. Taylor is your practice and competition coach. Room 307/htaylor@nadaburgsd.org

Ms. Noto is the competition logistics and competition coach. Room 306/lnoto@nadaburgsd.org

Practice Schedule

You have been accepted for the following club:

Competition Club

Basic Engineering Club

We are over on our numbers and you are on the wait list

August 2018

31st @ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)

GOAL for this Month:

Engineers will evaluate the new challenge and design a robot in their engineering notebooks. Once the team had determined the basic build will begin to create their robot.

September 2018

14th @ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)
14th @ 8:30-1:00	Basic Engineering Club (Bring a lunch & parents must pick up/drop off)
28th @ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)
28th @ 8:30-1:00	Basic Engineering Club (Bring a lunch & parents must pick up/drop off)

GOAL for this Month:

Finish engineering their robot for a practice skills match next month. Engineers will improve designs and record their process in their engineering notebook.

October 2018

5th @ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)
5th @ 8:30-1:00	Basic Engineering Club (Bring a lunch & parents must pick up/drop off)
25th @ 4:15-5:15	Afterschool Programing, online robotics, robotics promotional, CAD program parts
5th @ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)
5th @ 8:30-1:00	Basic Engineering Club (Bring a lunch & parents must pick up/drop off)

GOAL for this Month:

Work with your teammate to create a strategy to score the most points in a round robin match. Improve design and program your robot to be ready for the 1st competition of the season.

Technology Goal: Build a virtual robot to compete nationwide, Create a promotional video about the Vex robotics program at Nadaburg, Use a CAD program to create a VEX IQ part, and create a code to atomize your robot with a program in Robot-C

November 2018

2nd @ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)
2nd @ 8:30-1:00	Basic Engineering Club (Bring a lunch & parents must pick up/drop off)
	1st Competition to be announced
1st, 8th, 15th, 29th@ 4:15-5:15	Afterschool Programing, online robotics, robotics promotional, CAD program parts
30th @ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)
30th @ 8:30-1:00	Basic Engineering Club (Bring a lunch & parents must pick up/drop off)

GOAL for this Month:

Make final improvement to your design, practice driving skills, meet with mock judges to review your notebook/robot and finalize your program.

Technology Goal: Build a virtual robot to compete nationwide, Create a promotional video about the Vex robotics program at Nadaburg, Use a CAD program to create a VEX IQ part, and create a code to atomize your robot with a program in Robot-C

December 2018

7th @ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)
7th @ 8:30-1:00	Basic Engineering Club (Bring a lunch & parents must pick up/drop off)
	1st Competition to be announced
6th, 13th @ 4:15-5:15	Afterschool Programing, online robotics, robotics promotional, CAD program parts

GOAL for this Month:

Improve robot based on team alliances from the competition to be ready for final competition.

Technology Goal: Build a virtual robot to compete nationwide, Use a CAD program to create a VEX IQ part, and create a code to atomize your robot with a program in Robot-C

January 2019

11th@ 8:30-1:00	Competition Club in Robotics Lab (Bring a lunch & parents must pick up/drop off)
11th@ 8:30-1:00	Basic Engineering Club (Bring a lunch & parents must pick up/drop off)
	1st Competition to be announced

GOAL for this Month:

Improve robot based on team alliances from the competition to be ready for final competition.

Technology Goal: Build a virtual robot to compete nationwide, Use a CAD program to create a VEX IQ part, and create a code to atomize your robot with a program in Robot-C