

PVIT Newsletter

Dec 10, 2017

First Robotics (FRC) got ready for their robotics season with a pumpkin launching contest to exercise their engineering design skills. Given with restrictions on size and weight, the three teams had to design a launcher to meet specifications of launching a specific weight to reach a certain distance and hit a target.



REAL ENGINEERING OF REAL PROBLEMS

CALENDAR/SCHEDULE ON PVIT.ORG

Star Wars Tickets Available - YIKES!

“STAR WARS” NEEDS YOU!

Mrs. Norris still has quite a few tickets for opening night of the new Star Wars film. If we don't sell them, we will LOSE money on this fundraiser!! Cross country sold all theirs – PVIT needs to do the same! Stop by room 326 this week to buy up the rest!! Show is on **Dec 15, 5:00pm** show at the Regal Theater (RHE). **\$28 ticket** price includes drink or slushy, popcorn, fruit snack and a ticket to see episode VIII in a theater reserved for PVHS friends and family!

RUBY'S FUNDRAISER - FRI, DEC 15

On Friday, after school gets out at noon, or before the Star Wars movie, stop at Ruby's for a meal and tell them you are with PVIT!! Yeah, more funds for your motors and parts!! The fundraiser is all day, but be sure to tell them you are with PVIT – probably will have a sign-in sheet at the front desk.

DECEMBER SCHEDULE

Today is the last meeting for 2018. We will pick up again on Sunday, January 7, 2018. Several teams will meet individually during the break – please check with your mentor.

ROV COMPETITION RELEASED!

The Underwater ROV competition specs have been released. This year's Marine Advanced Technology Education (MATE) competition (always based on a real-life scenario) is *Jet City: Aircraft, Earthquakes, and Energy*, in honor of the host city of Seattle. The team is tasked to locate wreckage of a vintage airplane and return its engine to the surface of the water, install or recover a seismometer, and install a tidal turbine and instrumentation to monitor the environment. The team has a lot of work ahead of them, but have great experienced students and mentors to get them there. The ROV team has won 1st place in the last five of six regional competitions, which qualifies them to compete at the internationals.

GOOD LUCK, CYBERPATRIOT!

CyberPatriot competes all day today in their second competition. If you want to see what they do, stop by room 507 for a quick peak! They are aiming reach the Platinum level again this year after an extremely successful season last year.

MENTOR'S MINUTE



We are extremely happy to have Mr. Brian Pheiffer mentor the UAV team this year after not having a mentor last year. Mr. Pheiffer grew up in Olathe, Kansas, and thus got Mr. Pheiffer earned his BSEE at University of Kansas, and then continued on for his Master's at MIT. He is a chief systems engineer for advanced payloads for satellites at Boeing, and has two daughters, one on the UAV team and one on ROV. He spends a lot of time working on his own Arduino projects, and loves traveling, learning new languages and history.

Happy Holidays to everyone from Mrs. Norris!!

Hope everyone has a wonderful Winter Break with family and friends. Students, get some sleep!! Hope you get some fun new engineering toys!!

