

Welcome to
CHEMISTRY!

NANCY MONSON
Thank you for coming!



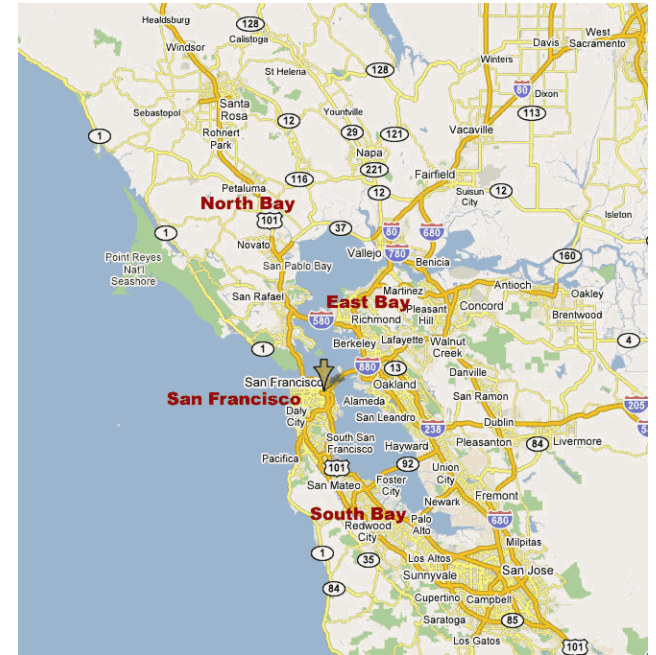
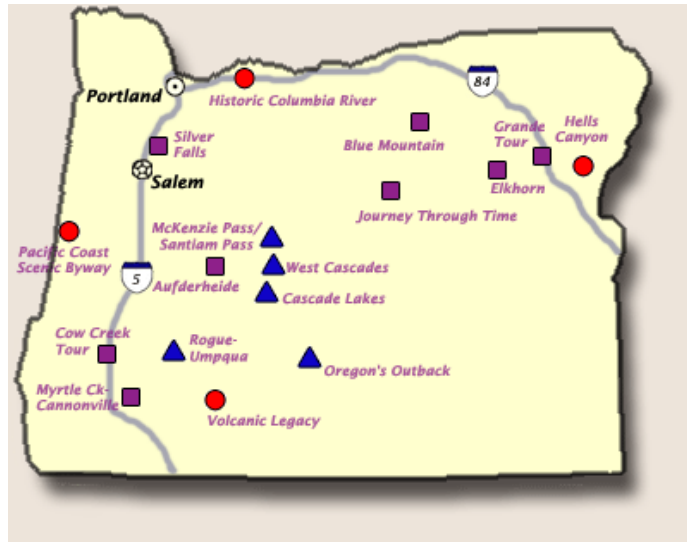
"I can't go out with you again. There just isn't any chemistry between us."



Why science teachers
should not be given
playground duty.

WHO AM I?

- This is my 26th year of teaching (12th year at WLHS)
- I've lived in Oregon for 13 years – before that, California



- Bachelor's degree in Biology at UC Santa Barbara



- Master's degree in Education and teaching credentials in Biology, Chemistry, and Physics at Stanford University

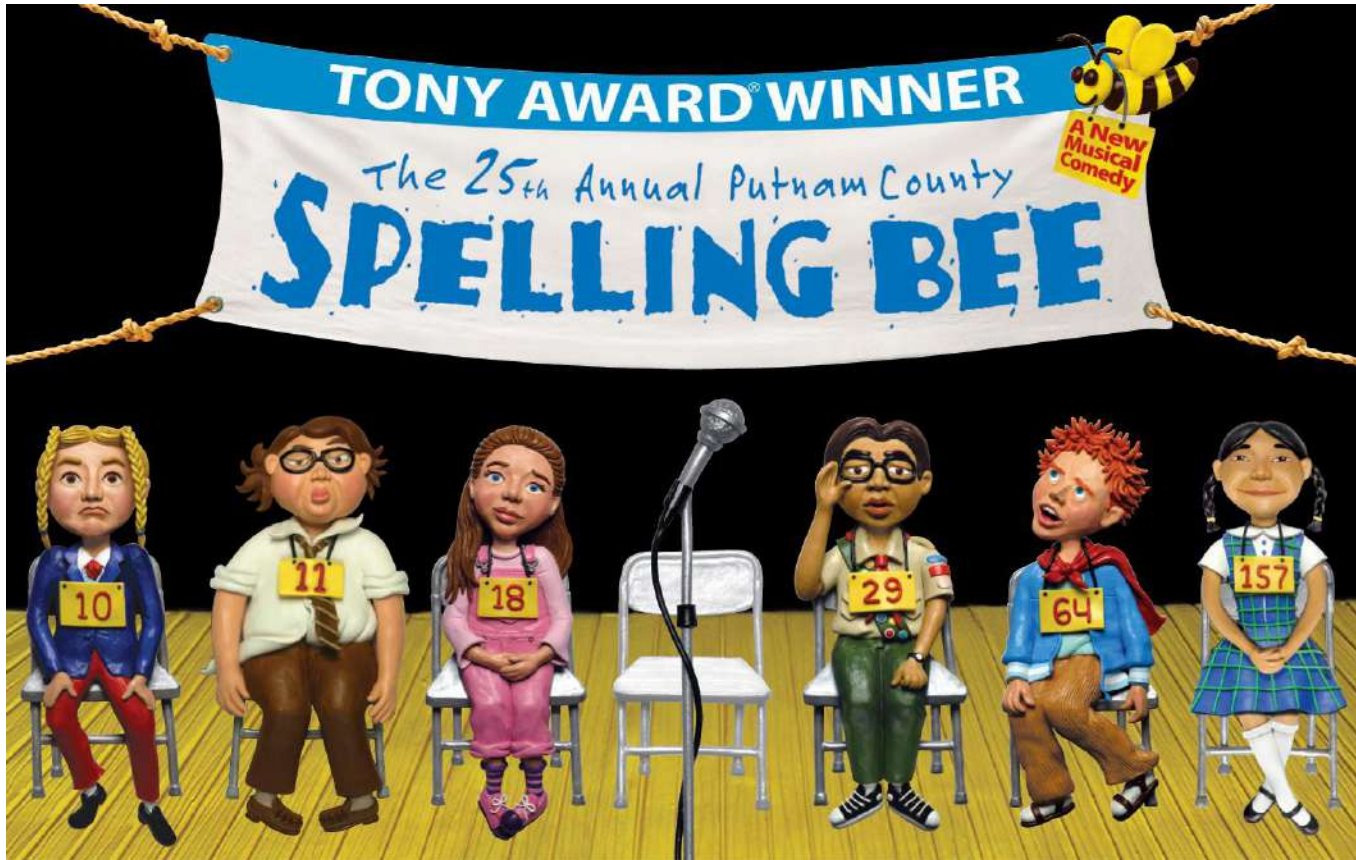


Professional Activities:

- National Association of Biology Teachers – presenting at annual conference – **Nov. 2018 (San Diego)**
- AP Biology National Leadership Forum (NABT & BSCS)
- M.J. Murdock Partners in Science
- AP Biology textbook / Chemistry textbook – national teacher review boards
- 2010 recipient – OBTA for Oregon

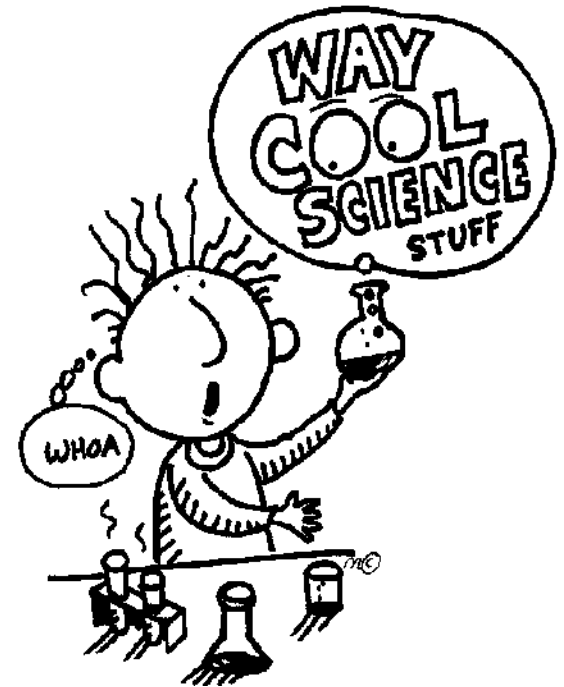
Hobbies include:

- Piano / musical theatre
- “25th Annual Putnam County Spelling Bee” will run the second two weekends of November! ☺



Course Objectives

- Students are asked to utilize different **scientific skills**, such as:
 - Observation and Discussion
 - Inquiry; Laboratory techniques
 - Graphing (on paper, as well as Excel)
 - Scientific Writing; **Claim, Evidence, Reasoning (CER)**



Weekly / Daily Schedules

WEEKLY: posted on Monday in class and on website

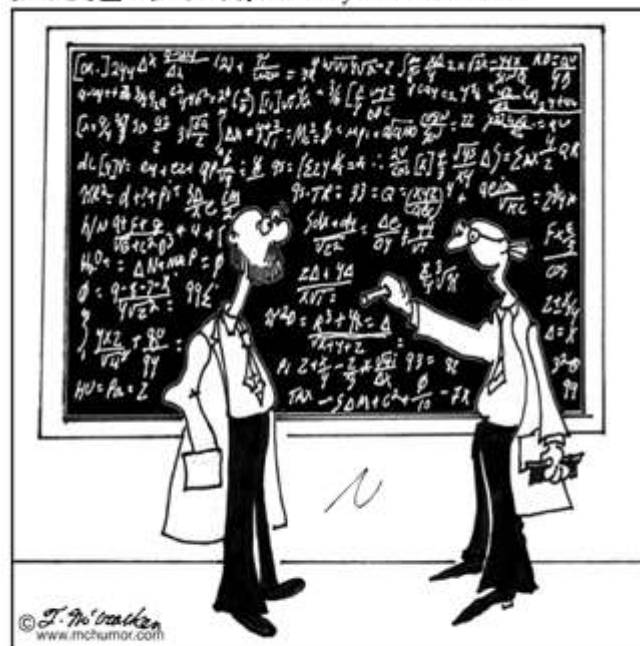
DAILY: see right side of board

- Homework – generally assigned daily, frequently with some time to begin in class.

Units of Study - Semester 1

- **UNIT 1:** Matter & Change; Measurement / Sig Figs
- **UNIT 2:** Atomic Structure & Nuclear Chemistry
- **UNIT 3:** Electrons & The Periodic Table
- **UNIT 4:** Bonding; Compounds: Formulas and Naming
- **UNIT 5:** The Mole, % Composition, Empirical Formulas

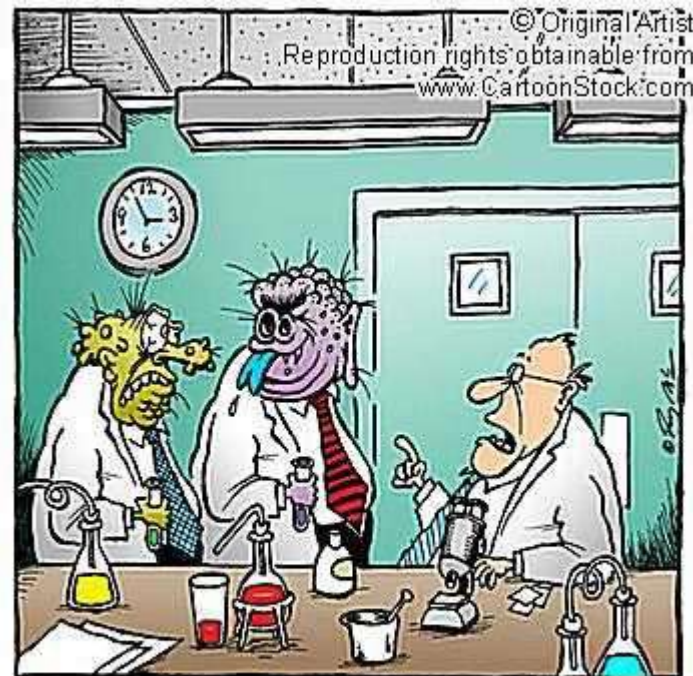
McHUMOR.com by T. McCracken



"There's really no need for confusion.
Part 95 of section 33 of article Q
in the formula quite clearly states ..."

Units of Study - Semester 2

- **UNIT 6:** Reactions & Stoichiometry
- **UNIT 7:** Behavior of Gases / Gas Laws
- **UNIT 8:** Thermochemistry
- **UNIT 9:** Solutions, Kinetics; Equilibrium
- **UNIT 10:** Acids and Bases

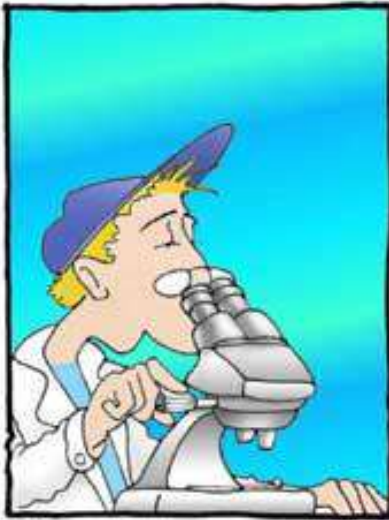


"Gee, I don't know... I guess if I had to choose between you I'd say that Jerry's formula has the most hideous side effects."

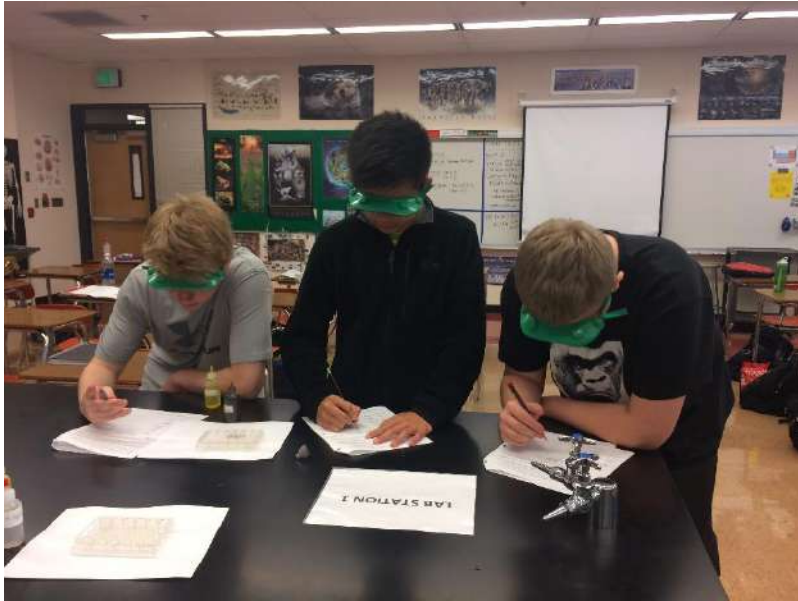
Instructional Strategies

- Laboratory work (small teams of 3-4)
- Individual and/or Group work; problem sets; study guides
- Lecture using PowerPoint and student note outlines (all posted on my webpage as PDFs)

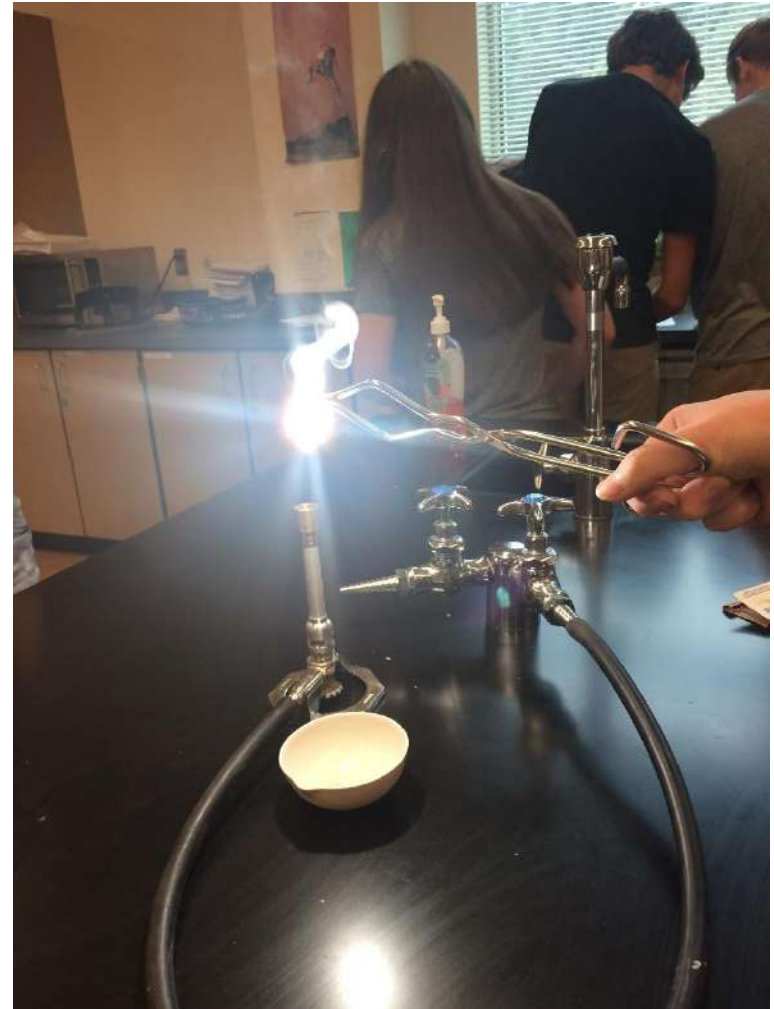
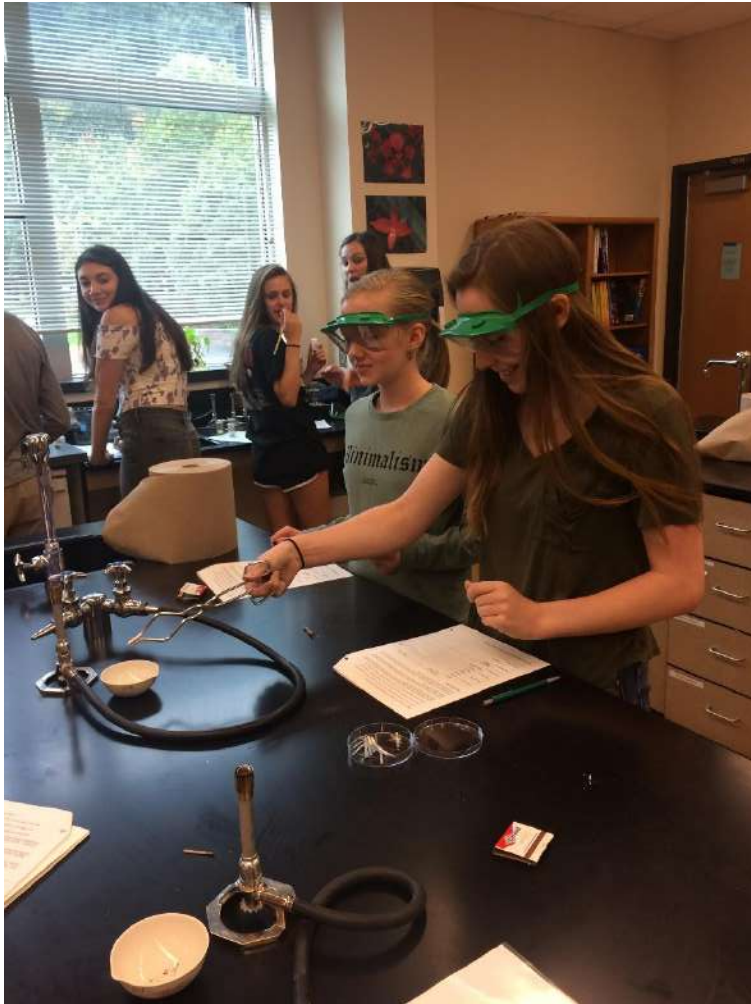
LAB INITIO
by Nick D Kim



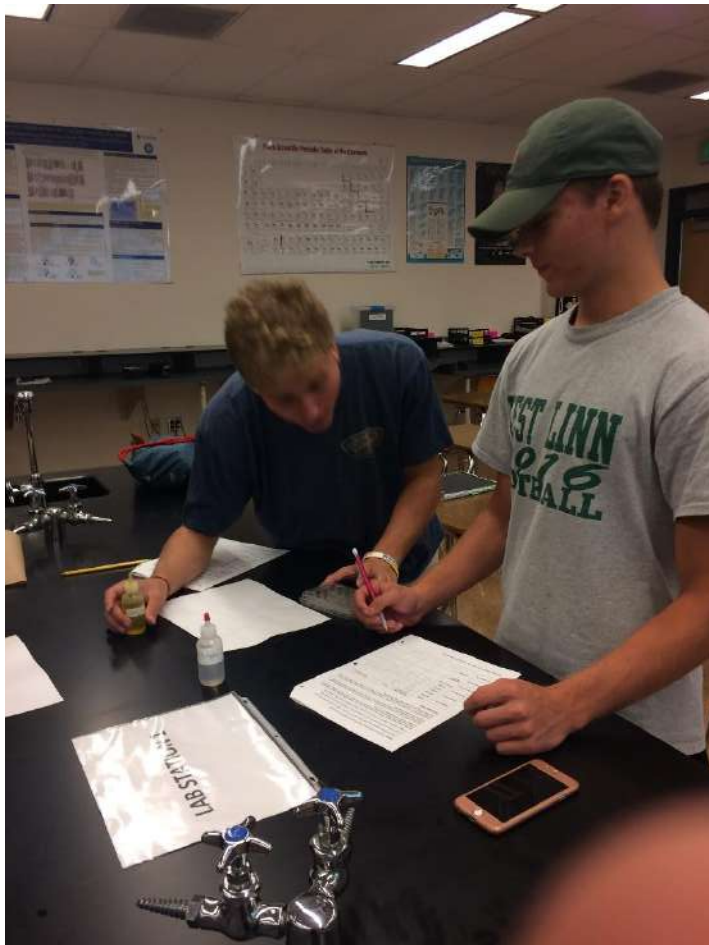
LAB PICS!



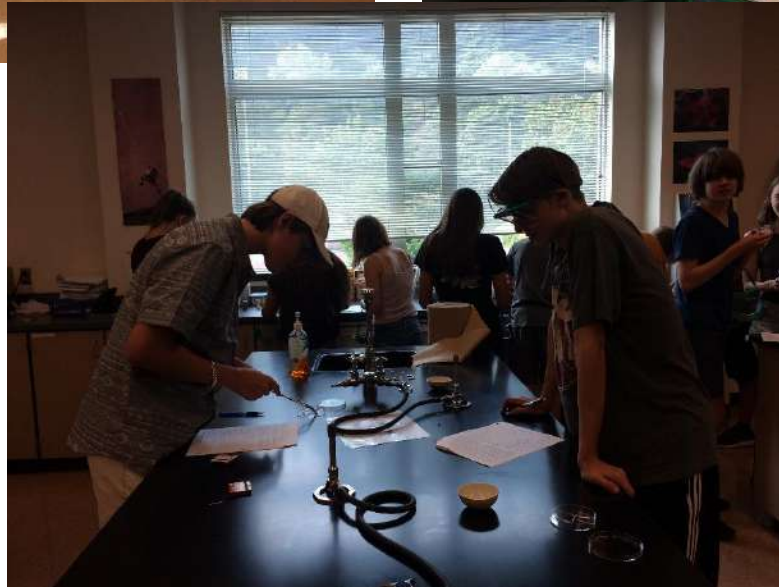
LAB PICS!



LAB PICS!



LAB PICS!



LAB PICS!



GRADING POLICY:

► Your student's grade is based on the weighted percentage of points in the following categories:

- Exams & Quizzes: 50%
- Activities, Labs, Projects: 40%
- Homework / Classwork: 10%

GRADING POLICY:

- ▶ Grade updates will be posted online approx. every 2 weeks and can be viewed on our school's website. Some assignments (such as lab reports) may take more time to be graded. Scores of "0" imply a missing assignment. ***“Blank”*** scores imply an assignment that has been turned in but is not yet graded, or an assignment that was dropped.

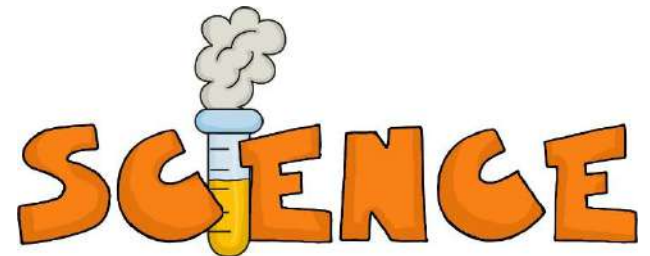
Absences and Make-up Work

- It is each student's responsibility to obtain missed assignments. It is possible to find out what was missed while absent by asking a classmate, **checking the class website**, or e-mailing me.



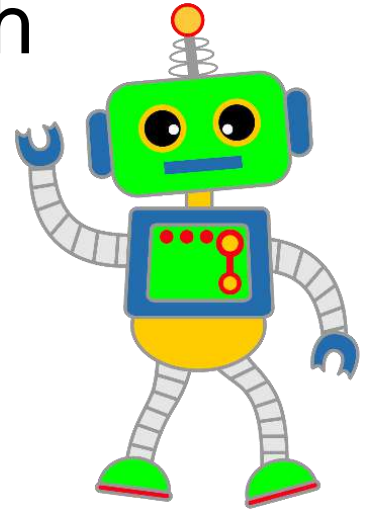
Science Opportunity! - Intel / ISEF

- Independent research project / experiment
- Results / projects presented at the **regional competition in February;**
- Top 1/3 go on to state competition;
- 3 teams/projects will go directly to national competition;
- **May 12-17, 2019 in Phoenix, AZ;**
- Each year, WLWV students earn \$\$\$ in scholarship offers.

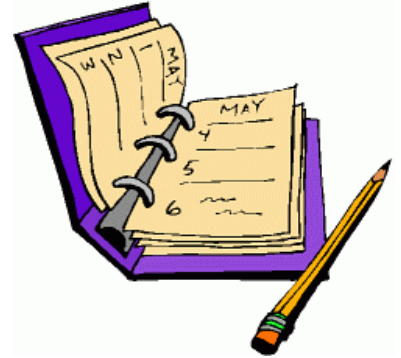


Engineering Opportunity! – ROBOTICS!

- Team meets Thursdays during lunch out in 705
- Team “work parties” are Tuesdays and Thursdays at 5:30
- Looking for students interested in: writing, math, strategy, engineering, animation, photography, and business
- Teacher advisor: **Tim Manes (math)**
- **State competition in the spring (& potentially international!)**



How Parents Can Help!



- Be ready to help with homework or have someone (i.e. sibling, neighbor) who can assist the student on occasion; after school Tutor Center is “staffed” with NHS student-tutors.
- **Check website and online grades** to help students stay “on top” of their studies and progress.

WLHS Tutor Center!

- open Tues & Thurs 3:30-5:00 pm
- first session will be Tuesday 9/25
- FREE; peer-tutors
- we now have a late bus (“Activity Bus”) that can take students home after tutoring
- no reservations needed...just show up! 😊



Office Hours

- I am available before and/or after school by appointment.

***before school is better until after the musical!*

****ROOM C-205
(upstairs)**



Thank you for your time!

- **Contact:** email MonsonN@wlwv.k12.or.us
- **Contact:** voicemail
(503) 673-7815 ext. 4894

Either contact is fine, but email is checked more often.

WEBSITE: Check school directory – under “science” Staff