



**CEDARCREST STEM/SCIENCE
NEWSLETTER FOR OCTOBER
2018: MORE THINGS...TO
HOWL ABOUT...**

**OUR CEDARCREST STEM/SCIENCE STUDENTS HAVE
BEEN EVEN BUSIER DOING ENGAGING, MINDS
ON/HANDS ON LESSONS HERE AT CEDARCREST.**

6th GRADE SCIENCE:

Ms Kukull and MS Koznek's students started learning about the interesting things **light** can do by participating in their **FIRST complete Science Lab**. They applied skills they developed from previous weeks **to test what happens when the distance between a light source and a shadow is increased**. They also worked on vocabulary development by creating "**Foldables**" which are one of many **AVID** strategies used by the Science and STEM departments to help promote literacy skills.





6TH GRADE 21ST

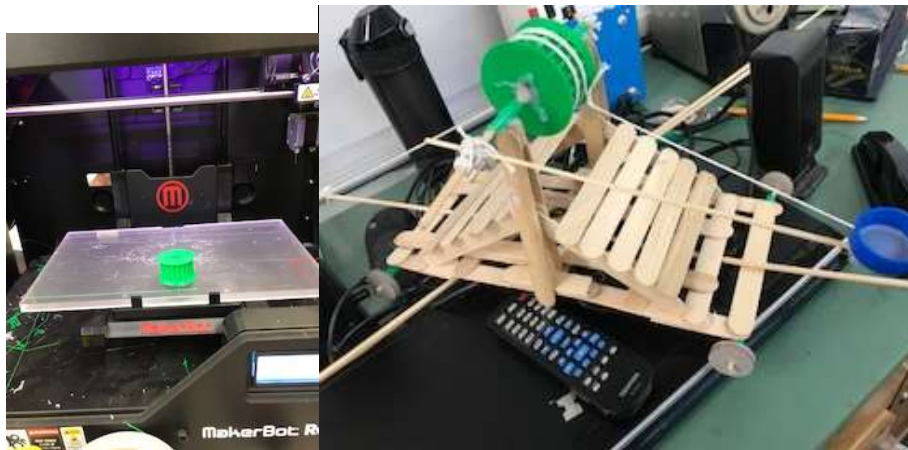
Century Skills:

Mr. Shreeve AND Mr. Overland have continued tasking their 6th grade 21st Century students with the engineering

challenge to reverse engineer a historically accurate scale model catapult.



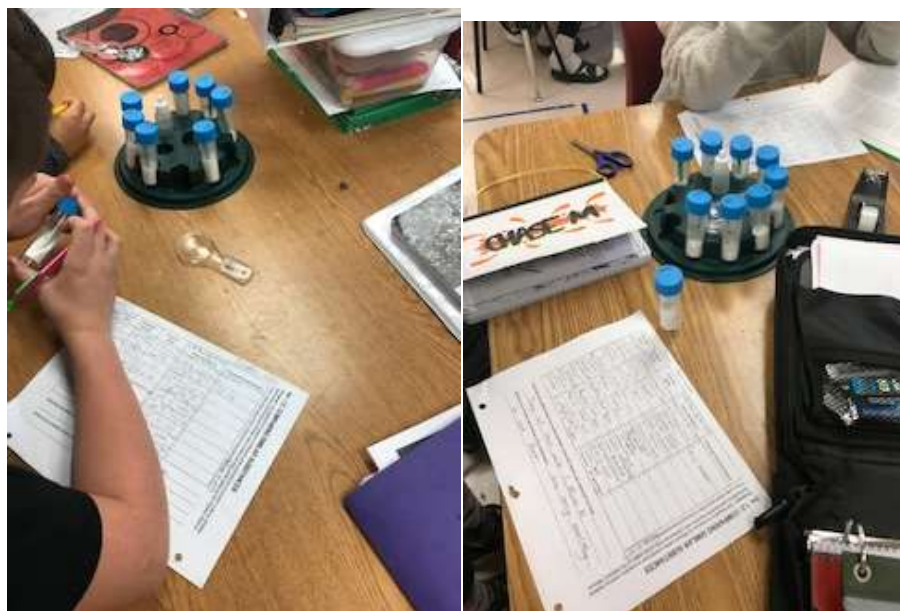
(The students and Mr. Shreeve even 3D printed a part for the Da Vinci Catapults—SUPER SCIENCE!)



21st Century Students use an electronic journal called Seesaw, Google classroom and Canvas. This allows them to keep all of their work online and it can be easily accessed with their Chromebooks. Please have your son/daughter share their work with their Chromebooks.

7th GRADE SCIENCE: Ms. Dainard and Mrs. Delazarri's

Students are mixing chemicals to create chemical reactions to try to identify the 2 substances that make up a specific "mystery" mixture.



They also helped prepare students for their chemistry unit where they must try and identify a mystery element through observation, experimentation, analysis, and collaborative work.

7TH AND 8TH GRADE STEM ROBOTICS with MR. SHREEVE:

This week students are working through the engineering process of researching, designing, building, programming, testing and optimizing EV3 LEGO MINDSTORMS ROBOTS. They incorporated various forms of technology including their smart phones (for blue tooth control of robots), Chrome Books (for research etc...) and CTE/STEM laptops (for programming the robots) to explore some of the capabilities of the EV3 Lego Mindstorms robots.



All of the assignments for **STEM ROBOTICS**, including their research, diagrams, notes, QR Codes, Scripts and even videos will end up on Seesaw. It is an electronic journal for the class. **Please have your son/daughter share their work with you in their electronic journal.**

LEGO LEAGUE—AN AFTER SCHOOL ROBOTICS CLUB:

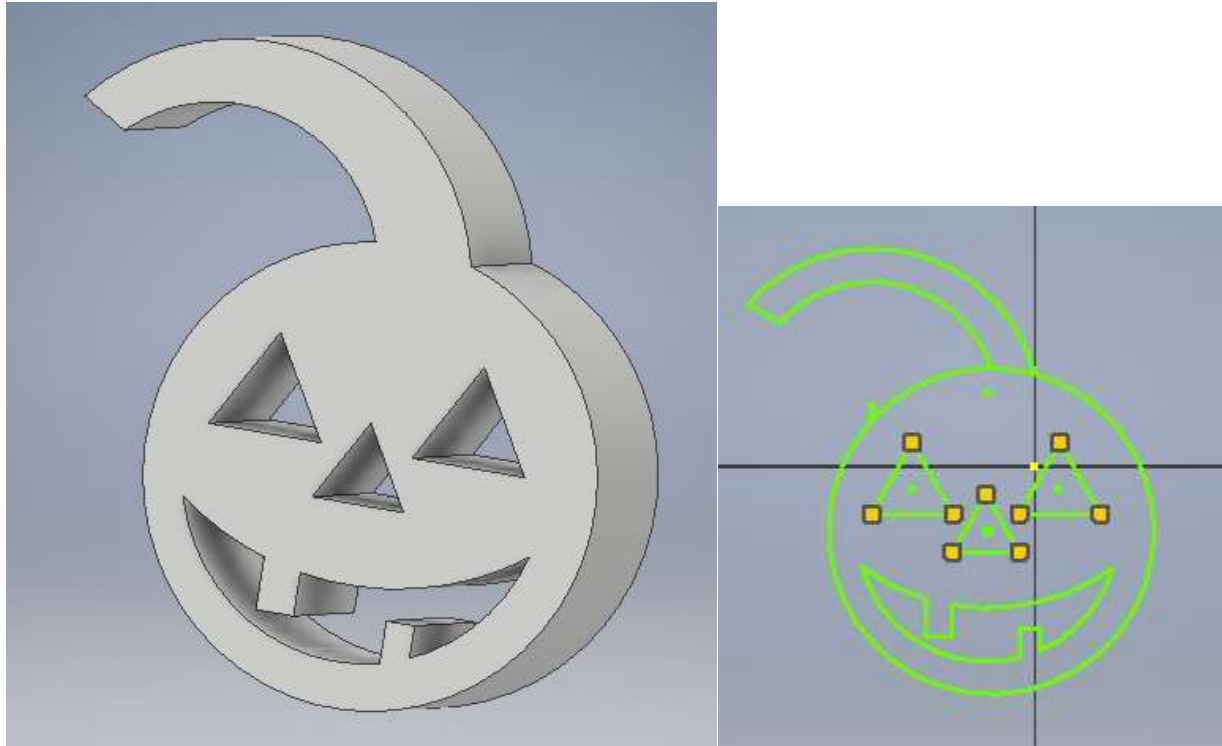
The club Tuesdays and Thursdays. It is **RUN BY Ms Kukull and Mrs. Delazzari.** With assistance by Tim Erickson who is a business and Industry Advisor from Expedia, and STEM advisors Mr. Shreeve and Mr. Deschaine.

First Lego League gets students to think like Scientists and Engineers. Their challenge this year is **INTO ORBIT**. Currently, students are researching about plants in space as part of their overall challenge.



MR. DESCHAINÉ'S STEM TECH (7TH GRADE):

In STEM Technology students are learning to Sketch drawings and turn the sketches into 3D models by extruding them using the **3D modeling software "Inventor."**



**MRS. MACK'S STEM
CLASSES(8TH GRADE):**



In Mrs. Mack's Nutrition and Fitness students have completed their first unit study. Students learning focused on the following questions.....

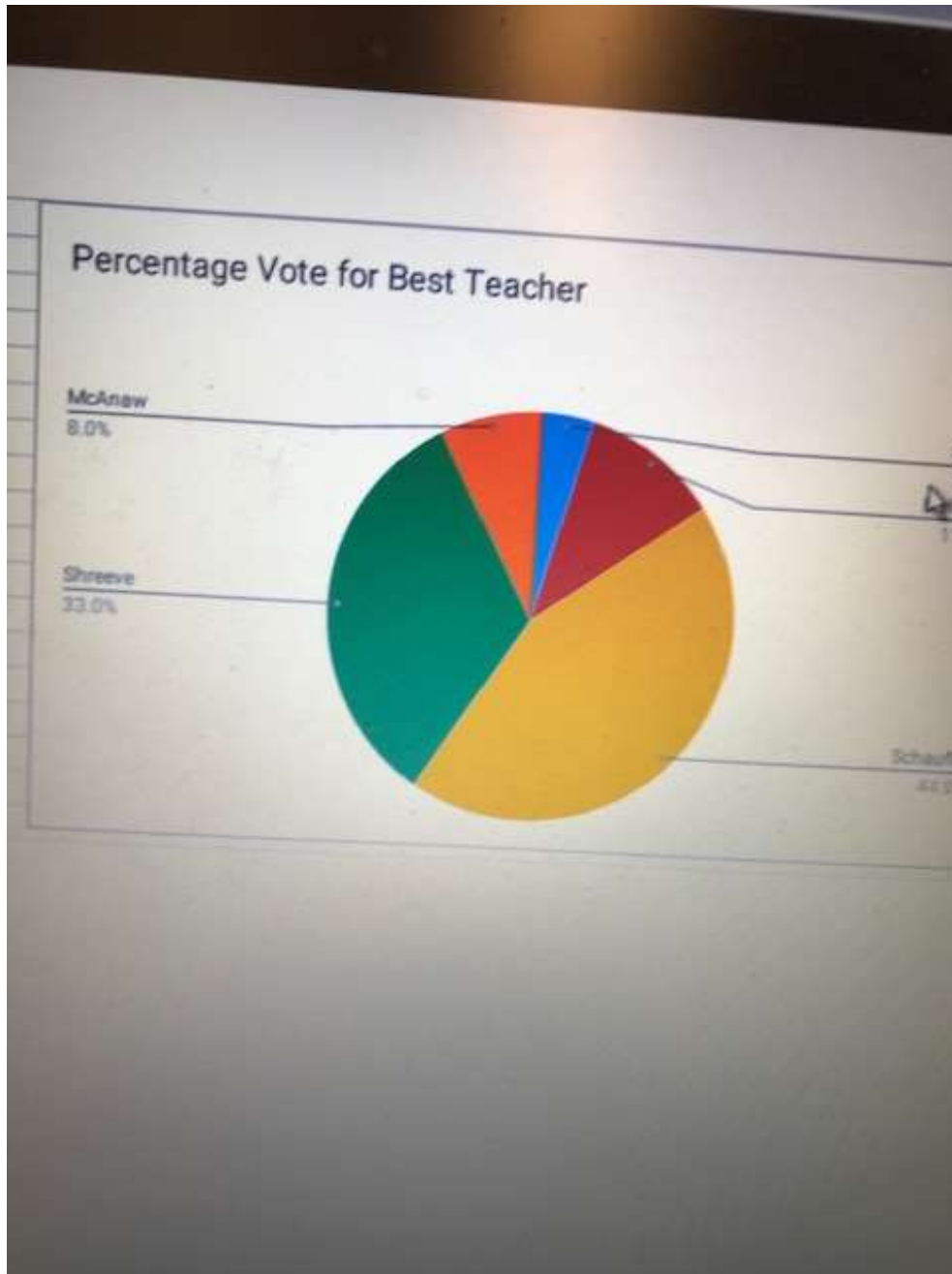
- 1. What are health and wellness?**
- 2. What are the three areas of the wellness triangle and how do we promote wellness in each area?**
- 3. How do our +/- lifestyle choices effect our overall wellness**
- 4. Define the terms anatomy (what our body is) and physiology (what our body does)**
- 4. What are the stages of the human life continuum?**
- 5. What are developmental characteristics of each stage of human development?**

Students are currently working on Systems of the Body.

8TH GRADE SCIENCE:

Mr. Schaufler and Mr. Overland

Mr. Schaufler and Mr. Overland will incorporate technology into their lesson by having students create different graphs such as the one below using Google Sheets on their Chromebooks:



All of these activities were designed by the STEM/Science staff at Cedarcrest to encourage Engineering and Science concepts with fun, engaging activities that may help students throughout their careers.

On behalf of the Staff in the STEM/Science Department, **we are committed to making this the best year ever for your child here at Cedarcrest Middle School.**

Sincerely,

The STEM/Science Staff at Cedarcrest

Ms Kukull, MS Koznek. Ms. Dainard, Mrs Delazzari, Mr. Schaufler, Mr. Overland, Mr. Deschaine, Mrs. Mack, and Mr. Shreeve

6th Science, 7th Science, 8th Science, STEM Foods, STEM Tech, STEM Robotics, and 21st Century Foundations.

Non-Discrimination

Marysville School District does not discriminate in any programs or activities on the basis of sex, race, creed, religion, color, national origin, age, veteran or military status, sexual orientation, gender

expression or identity, disability, or the use of a trained dog guide or service animal and provides equal access to the Boy Scouts and other designated youth groups. The following employees have been designated to address questions and complaints of alleged discrimination: Civil Rights Coordinator - Gregg Kuehn, Risk Management Supervisor, gregg_kuehn@msd25.org, 360-965-0110; Title IX Officer – Tracy Souza, Human Resources Director, tracy_souza@msd25.org, 360-965-0071; Section 504 Coordinator, Nancy Smith, Director of Categorical Programs, nancy_smith@msd25.org, 360-965-0051; ADA Coordinator – Ginger Merkel, Executive Director of Special Education, ginger_merkel@msd25.org, 360-965-0174. Address: 4220 80th Street NE, Marysville, WA 98270. Website: www.msd25.org Marysville School District is a drug- and tobacco-free workplace.

You can report discrimination and discriminatory harassment to any school staff member or to the district’s Civil Rights Coordinator, listed above. You also have the right to file a complaint.

Please Note: Policies that address this issue are Policy 3210 “Non Discrimination” & 5010 – “Non Discrimination and Affirmative Action.” These Policies are available online at www.md25.org, at your school, or at the District Office: 4220 80th Street NE, Marysville, WA, 360-965-0000.