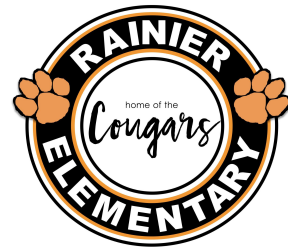


To: RES Families

Re: 3rd Quarter STEM Grades



Students attend STEM class once a week. Through hands on experience, students explore the concepts of science, technology, math, and engineering. The purpose is to foster ingenuity and creativity, build perseverance, encourage teamwork, and strengthen problem solving skills.

STEM report card grades are based on student **effort** and **participation**.

EFFORT & PARTICIPATION

- Listen and follow directions
- Stay on task
- Speak and interact with others in a kind manner
- Remain calm when frustrated
- Put forth best effort
- Persevere

**Grades: K-1                    STEM ACADEMIC CONTENT**

- Understand purpose and function of the heart
- Work effectively with a partner to stack cups into a geometric heart shape
- Collaborate in a team and design a stable and functioning marble run
- Explore gravity and slope's impact on acceleration
- Use digital tools to color, resize, and duplicate shapes to create art in Google Classroom

**Grades: 2-3                    STEM ACADEMIC CONTENT**

- Understand purpose and function of blood cells
- Calculate mass in grams using equal arm balance
- Measure length to nearest 1/4 inch
- Work effectively in a team to design a stable marble run
- Investigate how changing mass affects movement
- Input data into digital table and format textboxes
- Use digital tools to group, rotate, and duplicate shapes to create a diagram in Google Classroom

**Grades: 4-5                    STEM ACADEMIC CONTENT**

- Use a microscope to study and compare samples of red blood cells
- Calculate mass in grams using equal arm balance
- Measure length to nearest 1/16 inch
- Reduce fractions to simplest form
- Work effectively in a team to design a stable marble run
- Investigate the relationship between force, mass, and acceleration
- Design and format a digital data table
- Use tools to group, rotate, and add object animations to create a diagram in Google Classroom



**STEM**

If you have any questions, please feel free to contact me for further explanation:  
[gurnseyk@rainier.wednet.edu](mailto:gurnseyk@rainier.wednet.edu).

Sincerely,

Kate Gurnsey  
Rainier Elementary, STEM Teacher