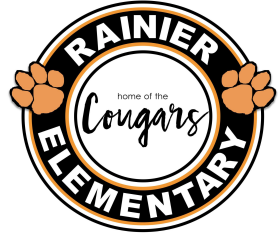


1st Quarter: STEM Class Summary

Dear RES Families,

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-2 STEM ACADEMIC CONTENT

- Recognize how to be safe, kind, and responsible online
- Design a school out of magnetic tiles
- Explain how to take care of the brain
- Understand importance and function of the cerebrum, cerebellum & brainstem
- Build a brain out of Play-Doh
- Study a logic puzzle and replicate with geometric pattern cubes
- Create unique designs with geometric pattern cubes
- Construct a fence to support miniature pumpkins

Grades: 3-5 STEM ACADEMIC CONTENT

- Recognize how to be safe, kind, and responsible online
- Design a school blueprint out of magnetic tiles
- Identify qualities of the right and left hemisphere of the brain
- Realize importance and function of the cerebrum, cerebellum & brainstem
- Understand the purpose of the four lobes of the cerebrum
- Explain how to take care of the brain
- Study a complex logic puzzle and replicate with geometric pattern cubes
- Reverse engineer a design and create its template
- Construct a bridge to support miniature pumpkins



STEM

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

Sincerely,

Kate Gurnsey
Rainier Elementary, STEM Teacher