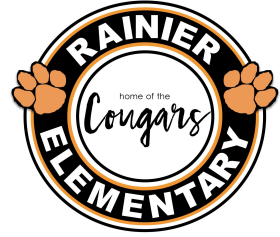


2nd Quarter: STEM Class Summary

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

- Sort, count objects, and compare their values
- Create a bar graph to organize and interpret data
- Use strategies to make ten and fill a ten frame
- Identify polygons and name their attributes
- Turn and flip polygons to create a compound shape
- Recognize numbers and add numerals to complete winter art
- Design symmetrical art using magnetic pixel cubes
- Play math games to increase number recognition, addition strategies, and fluency

Grades: 3-5 STEM ACADEMIC CONTENT

- Collaborate with a partner to create unique codes for the Dash robot
- Utilize menu options to program Dash: move forward/backward, turn head, change lights, create sounds, set eye patterns, and use other special features
- Troubleshoot and debug errors in codes
- Identify polygons and explain their attributes
- Rotate and reflect polygons across the y-axis to create a symmetrical composite shape
- Design art with multiple lines of symmetry using magnetic pixel cubes
- Explore tools in the program Google Sheets
- Create digital pixel art with a vertical line of symmetry in Google Sheets
- Play math games to increase multiplication fluency



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

Sincerely,

STEM

Kate Gurnsey
Rainier Elementary, STEM Teacher