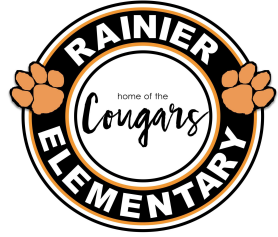


3rd Quarter: STEM Class Summary

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

- Log into STEM Google Classroom with Rainier email and password
- Customize solid and gradient color options to paint digital art in Google Slides
- Insert and duplicate shapes to add personalized details
- Delete shapes and undo steps as needed
- Increase fluency of addition math facts by playing bingo
- Construct a stable tower balancing cups and cards
- Explore likelihood of events by recording results from spinner game
- Create a bar graph to organize and compare data

Grades: 3-5 STEM ACADEMIC CONTENT

- Find factors for a given product
- Record perimeter and area formulas for regular and irregular arrays
- Design a house blueprint on graph paper
- Specify dimensions for each room; list equations; calculate area for each space; and find total area and total perimeter of entire house
- Read blueprints and build physical models out of pixel cubes to illustrate given areas and perimeters
- Color and reflect digital pixels across a vertical axis to create symmetrical art in Google Slides
- Strategize arranging tetris-like arrays in the logic board game, Blokus



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

Sincerely,

Kate Gurnsey
Rainier Elementary, STEM Teacher