1st Quarter: STEM Summary

Dear RES Families,

Students attend STEM class once a week. Through hands-on experience, students explore the concept of science, technology, engineering, and math for the purpose of fostering ingenuity and creativity, building perseverance, encouraging teamwork, and strengthening problem solving skills.

STEM report card grades reflect student **effort** and **participation**.

EFFORT & PARTICIPATION

- Listen and follow directions
- Stay on task
- Work and communicate kindly with others
- Manage frustration
- Give best effort
- Persevere through challenges

Grades: K-1 STEM ACADEMIC CONTENT

- Recognize how to be safe, kind, and responsible online
- Study a logic puzzle and replicate with geometric pattern cubes
- Read a key and construct pictures with magnetic pixel cubes
- Use spatial awareness to play a game and make four in a row
- Design a stable house with Magna Tiles
- Make predictions and observe physical changes during a dissolving experiment

Grades: 2-3 STEM ACADEMIC CONTENT

- Recognize how to be safe, kind, and responsible online
- Study a logic puzzle and replicate with geometric pattern cubes
- Read a key and construct pictures with magnetic pixel cubes
- Improve direction-following skills through logic challenges
- Classify materials as solids, liquids, or gases
- Design a stable house with Magna Tiles
- Make predictions and observe physical changes during a dissolving experiment

Grades: 4-5 STEM ACADEMIC CONTENT

- Recognize how to be safe, kind, and responsible online
- Balance and stack blocks on wobbly base and notice how the center of gravity changes
- Compare weight and mass
- Measure object mass using an equal arm balance
- Use geometric shapes, rotations, and reflections to strategize on a coordinate grid
- Design a stable house with Magna Tiles
- Observe gas formation when a liquid and solid are mixed in an experiment

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