

Dear Parents,

Let me introduce myself! My name is Connie Eisenhart everyone calls me Ms. Eisie. I will be your son/daughter Academy Science Teacher this year.

Students are individuals and are often so different in their capacity, learning styles and motivation that the only thing they have in common is the label students. When students enter into my classroom they cease being a student and truly become a scientist. Science must be experienced to be understood. I spend my summers taking classes so I can become an innovative and inspirational teacher. I have built a wealth of knowledge to produce an invigorating curriculum which goes far beyond the requirements for THE NEXT GENERATION SCIENCE STANDARDS. I not only enrich their learning, but encourage students to be inquisitive, think laterally, and go beyond the classroom walls.

CURRICULUM FOR THE YEAR 2021-2022

Our Pre-school through 8th graders will be using a variety of new learning tools, with Robots, these include but not limited to (Alpha Bots, Botley Robot, Mouse, Hex Bugs, Wedo2, Edison, Meepers, and Ev3. The Hands on projects will be Hot Wheels, architect Blocks, Lego's, Keva Blocks etc.

K-1st grade Curriculum is using Mouse Robot, Hex Bugs, Lego's Keva Blocks, Stem Projects and Civil Air Patrol Program.

2nd Grade Curriculum is using Meepers Robots, Learn to Learn Lego Program, Stem Projects, and Civil Air Patrol Program.

3rd Grade Curriculum is using Edison Robots, Stem Projects, Lego's, Keva Blocks, and Architecture Building Projects.

4th Grade is using Edison Robots, A Special Program (Junior Snow Ranger) Lego's, and STEM Projects.

5th grade is using EV3 Robots, with a class on building and Coding the Robot also A Special Program (Junior Forest Ranger) and Stem projects.

6th Grade is using EV3 Robots with a class in building and Coding the Robot and Stem Projects.

7th & 8th Graders will be using Spike Robot, with a class on building and Coding the Robot,

Wheels in Motion, Drones and STEM projects.

Curriculum for STEM/Robotics for Pre-School through 8th grade

below is an explanation of each topic

1. The Junior Snow Ranger program is designed for children in the 4th and 5th grade. Outdoor and indoor activities are included in a colorful publication that highlights themes such as safety, wildlife, winter ecology, recreation, and the joy of winter fun. The program mission is to inspire youth to embrace a life-long relationship with the winter environment, and to become stewards of the land. (We will contact you about the shirt that needs to be bought at a later time.)

2. The Junior Forest Ranger (JFR) program is an exciting way for young people to explore their national forests and grasslands. The JFR program uses Forest Service science and practices to encourage children in the 5th grade to enjoy and appreciate nature. JFR motivates children to explore the natural and cultural world, and embrace their responsibility to it. Students at the end of the program will have a ceremony with a patch, card. (We will contact you about the shirt that needs to be bought at a later time.)

3. A World in Motion (AWIM) program is an inquiry-based learning experience that brings STEM concepts to life, setting students on a path of lifelong learning and discovery. This is offered 6th through the 8th grade, AWIM combines practical, experiential learning and support for educators to provide equitable access to STEM.

4. The Aerospace Education program is for K-12 formal and informal educators at schools. They are aligned to national academic standards; the lessons covered will be for pre K-8th grade booklets of hands-on activities for the very young learners. Subjects such as rocketry, robotics, flight, space, weather, mathematics, physical science, are just a few of the amazing areas these lessons cover.

If you have any concerns, please feel free to contact me via-e-mail at eisenhartc@gaschool.com or call at 248-588-5545 ext.176