

GATEWAY TO TECHNOLOGY

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Daily Materials

You need the following items every day:

- iPad
- Headphones
- Paper & Pencil
- A folder or binder to keep all work organized

Class Rules

- Do not interrupt instruction or learning in any way.
- Follow all directions the first time they are given.
- Be respectful of other students, their work and property, the teacher, and school property.
- Keep hands, feet, objects, and negative comments to yourself.
- Raise your hand before speaking or getting up from your seat.

Consequences

- Warning
- Detention (s)
- Referral to the administrators

* **Severe disruption or offenses will result in immediate referral to the office.**



Course Description

The Gateway to Technology (GTT) program addresses the interest and energy of middle school students while incorporating national standards in mathematics, science, and technology. This activity-oriented, cutting-edge program shows students how technology is used in engineering to solve everyday problems. GTT currently consists of four instructional units that motivate students to become creative innovators. During the GTT experience, students will gain the skills they need to develop, produce, and use products and services.

The Gateway To Technology curriculum provides project-based learning that is exciting and challenging for the full range of students in today's 8th grade classrooms. The curriculum relates technology to students' daily lives. It promotes communication and collaboration by emphasizing a teaming approach in the instructional units. This approach utilizes the strengths of each team member to accomplish the goals of the project while offering students learning challenges at all ability levels.

DM Design & Modeling

Students apply the design process to solve problems and understand the influence of creativity and innovation on their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Autodesk® design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions.

AR Automation & Robotics

Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.



Grading Policy

Participation - 30%

- This includes arriving on time, bringing your daily materials, following directions, class rules, and expectations.
- Your grade will be negatively affected if you don't meet classroom expectations.

Daily Work - 30%

- You will be required to work independently and in groups throughout the period
- You are expected to stay on task at all times.
- If you finish early, you are expected to help your classmates and/or do an appropriate activity quietly.

Projects - 40%

- You will need to work on long-term projects throughout the school year.
- It will be important to keep up and stay organized in order to complete these projects.
- Projects will make up a large part of your total grade so it is important to get them done on time.

Computer Lab Contract

My signature below verifies my agreement and acceptance of each of the following statements:

- I am subject to the school rules as indicated in the student handbook, including the district Internet Acceptable Use Policy.
- I will not change any computer settings or add/delete any programs without teacher permission.
- I will not download or save any files from the Internet without teacher permission.
- I have read and will observe the classroom rules posted in the classroom.
- I understand that I must stay at my assigned workstation (no wandering).
- I will show respect for the room, furnishings, and equipment.
- I will not touch any equipment or supplies that are designated for Gateway to Technology classes.
- I understand that food or drink are not allowed anywhere in the classroom.
- I will work quietly and cooperatively with my partners.
- I will report knowledge of any theft or damage to lab equipment immediately to the teacher.
- I will keep work area neat and clean.
- I will use my computer, iPad, headphones, and other equipment for assigned tasks only.
- I will not take pictures, listen to music, watch videos, or play games not directly related to the assigned task.

Student Signature

Parent/Caretaker Signature