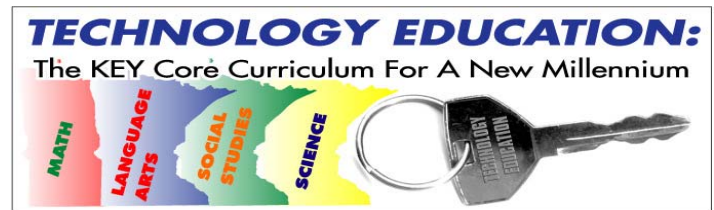


What is Technology Education?

Technology Education is a study of technology, which provides an opportunity for students to learn about the processes and knowledge related to technology that are needed to solve problems and extend human capabilities.



Technology Education students learn about:

- Designing, developing, and utilizing technological systems
- Open-ended, problem-based design activities
- Cognitive, manipulative, and affective learning strategies
- Applying technological knowledge and processes to real world experiences using up-to-date resources
- Working individually as well as in a team to solve problems

Technology Education 7 (one trimester - grade 7 - required)

Students will learn about communication and transportation technologies. In communications, students will be exposed to computer-aided drafting (CAD), silk screening, folder making, spreadsheets and the Internet. In transportation technology, students will study and test various aspects of transportation systems. Various group problem solving activities will also take place.

Technology Education 8 (one trimester - grade 8 - elective)

This class will introduce students to production, manufacturing and construction. In these areas, students will build a small product, and work in a group to design and construct a model of an energy efficient dwelling. Various group problem solving activities will also take place.

Communication Technologies (one trimester - grade 9 - elective)

Information and communication technology skills are a necessary part of joining the workforce in the future and here is another stepping stone to technological literacy. Communication Technology students will be pushed to test their artistic limits as they learn about the design and layout process through photography, screen printing, website production and desktop publishing. In addition, students will be introduced to new concepts, challenged to analyze products and expected to generate their own visual arts examples. Students will be exposed to a variety of lab activities meant to develop problem solving skills and responsibility. *Upon successful completion of the Communication Technologies course, students will earn credit for the MN Academic Standard for the Arts/Media, a graduation requirement.*

Design and Production Technologies (one trimester - grade 9 - elective)

Use machines, equipment, and a variety of materials; including wood and metal, to design and produce projects. This class will offer students a chance to explore designing, machining, metalworking and woodworking technologies. Students will learn safe processes as they work with various materials, tools and machines. This is a fast paced course with many fabricated project choices. *Upon successful completion of the Design and Production Technologies course, students will earn credit for the MN Academic Standard for the Arts/Media, a graduation requirement.*

Power, Energy and Transportation Technologies (one trimester - grade 9 - elective)

Use tools and technologies to explore and produce projects that involve electricity and power systems. Students now and in the future will have to make conscientious decisions on how to harness and respectfully use energy and power. Fossil fuels, solar, wind, geothermal, engines, motors, electricity and electronics will be studied. Servicing of small gas engines will be explored in this class. Vehicle design and completion of scale models will be covered. Students will also learn about circuits and other electronic technologies as they build a variety of electrical projects.

Learn more about **Technology Education** by visiting MGJH web page at

<http://www.district279.org/sec/mgjh/>

or

<http://www.district279.org/sec/mgjh/studentrefs/teched/te.htm>