

Grade Seven – Technology and Careers

The students will explore technology through different activity modules. Each module has a technological core theme that is taught through the use of multimedia presentations, simulations, and hands-on activities. Technological problem solving, social, economic, and environmental impacts of technology are analyzed and careers are explored in each area of technology. Aerodynamic principles, power and energy, construction and CAD, robotics and graphic design are some of the modules in the lab.

	Technology Education Benchmarks
	The student will:
	Standard 1: Demonstrate competence in reading and gathering information of a technical nature.
7-1a.	Locate specific data on a technology using resource center materials.
7-1b.	Organize and evaluate technical data.
	Standard 2: Demonstrate competence in organizing and writing technical reports.
7-2a.	Prepare a technical report.
	Standard 3: Understand energy types, sources, and conversions.
7-3a.	Evaluate production and impacts of energy use in our technological world.
	Standard 4: Understand the interaction of science, technology, and society.
7-4a.	Explain how science and technology impact the individual, society, and environment.
	Standard 5: Know how to apply complex reasoning and design processes in a technological environment.
7-5a.	Use a problem solving method to find a solution for a technical problem.
	Standard 6: Understand the general nature and use of mathematics.
7-6a.	Use math skills and knowledge to solve and analyze technical problems.
	Standard 7: Understand the nature and use of communications technology in our society.
7-7a.	Use the computer as a tool to help solve technical problems.
7-7b.	Demonstrate basic sketching techniques to communicate ideas.
	Standard 9: Understand the nature and use of manufacturing technology in our society.
7-9a.	Demonstrate an understanding of the effects of manufacturing technology on our daily routines.

	Technology Education Benchmarks
	Standard 10: Understand the nature and use of transportation and power technology in our society.
7-10a.	Define transportation as the movement of goods and people.
7-10b.	Know the impacts of the various transportation technologies.
	Standard 11: Demonstrate competence in life skills relating to a technological environment.
7-11a.	Demonstrate appropriate knowledge when using technologies.
7-11b.	Evaluate the impacts of using technology to solve problems and extend human capabilities.
	Standard 12: Display competence in using employability skills.
7-12a.	Listen and follow directions.
7-12b.	Complete tasks on time.
7-12c.	Interact positively and respect peers and teachers in and out of the school environment.