Introduction to Technology   2012-2013 Pacing Guide

Time Frame	CTE Objective	Essential Understandings/Questions	Essential Knowledge/Skills
1ST 9 week s	26	Define *technology*.	Terms to Know Define technology and give examples. Technology impact on society and self.
	27	Identify examples of technology	Internet safety.
	28	Describe technological inventions that have been important to society.	Skills Apply core skills such as reading and writing.
	20	Demonstrate an understanding of Internet use and security issues.	Execute research using internet technology.
	28		Exhibit safe use of internet.
	51	Describe how society affects technology and technology affects society.	Manage computer files and use software.
			Document research using computer technology.
	19	Demonstrate information technology skills.	Terms to Know
	9	Demonstrate effective reading and writing skills.	Technology systems inputs, processes, outputs. Technology Resources, feedback, open and closed loop system.
	41	Identify the designed-world systems.	
	35	Illustrate how processes change inputs to outputs in any system.	Skills Create a sample technology using resources.
	39	Identify parts of a system within a device.	Describe four parts of a system using sample.
	40	Solve technological problems, using resources including tools/machines, materials, creativity, and knowledge from other fields.	Identify and plan for material processing based on material property.
2nd 9 week s	34	Identify resources used in technology.	Terms to Know Steps of problem solving process.
	36	Identify the characteristics/properties of materials. Describe the problem-solving process.	Measurement, drafting and design. Safety rules. Tool identification. .
	30	Demonstrate safe use of tools and equipment.	Skills Practice safe tool and material use.
	15	Demonstrate creativity and resourcefulness.	Measurement Create a prototype using tools and materials.
	11	Demonstrate healthy behaviors and safety skills.	Practice problem solving method to improve product.
	7	Demonstrate time-, task-, and resource-management skills.	Practice testing and analyzing skills.

3rd 9 Weeks	49	Identify emerging technologies.	
	50	Predict future technological changes.	Terms to Know
	28	Describe technological inventions that have been important to society.	Emerging Technologies, Technology Impact Technology impact on society and self. Invention and Innovation
	41	Identify the designed-world systems.	
	42	Describe energy and power systems.	
	43	Describe medical technology systems	Skills
	44	Describe agricultural and related biotechnologies systems.	Identify careers n each technological system. Use information technology to research and report on a career.
	45	Describe information and communication systems.	
	46	Describe construction systems	Apply core skills such as reading and writing.
	47	Describe transportation systems.	
	48	Describe manufacturing systems.	Execute research using internet technology.
	51	Describe how society affects technology and technology affects society.	Manage computer files and use software. Exhibit safe use of internet.
	9	Demonstrate effective reading and writing skills.	
	29	Research careers and the technologies used in them.	Terms to Know
4th 9 Weeks	18	Demonstrate proficiency with technologies common to a specific occupation.	Careers, work ethic, teamwork, creativity, resourcefulness.
			Skills
	12	Demonstrate an understanding of workplace organizations, systems, and climates.	Learn and use teamwork skills. Apply core knowledge to career skill.
	16	Demonstrate job-specific mathematics skills.	Use creativity and critical thinking skills. Demonstrate leadership skills through
	40	Solve technological problems, using resources including tools/machines, materials, creativity, and knowledge from other fields.	participation in a group projects. Apply tool safety and computer skills. Cooperate with team member to create a model
	3	Demonstrate teamwork skills.	and presentation.
	1	Demonstrate positive work ethic.	
	6	Demonstrate conflict resolution skills.	Utilize math and science skills.
	7	Demonstrate creativity /resourcefulness.	
	8	Demonstrate effective speaking and listening skills.	

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