

**Focus Topic: Standard 8.1: Educational Technology**

TSW = The Student Will

<b>Objective(s)</b>	<b>NJCCCS Alignment</b>	<b>Essential Questions</b>	<b>Understandings</b>	<b>Suggested Assessment Activities</b>
TSW identify and explain the basic features of a digital device	8.1.2.A.1	Why is technology important?	The use of technology and digital tools requires knowledge.	Ongoing observation & questioning during class discussions
TSW create a document using a word processing application	8.1.2.A.2	Why do I need to use technology?	Media rich resources enhance creativity.	Performance tasks
TSW compare the common uses of at least two digital applications	8.1.2.A.3	What are common uses of technology?	Digital tools assist in gathering and managing information.	Self-Assessment
TSW identify advantages and disadvantages of digital applications	8.1.2.A.3	How is technology safe and unsafe?	Technological development creates societal concerns.	NJ TAP IN Checklist
TSW demonstrate developmentally appropriate navigation skills in virtual environments	8.1.2.A.4	How do digital tools enhance and/or distract from our lives?		Projects
TSW sort information from a spreadsheet	8.1.2.A.5			Technology Integration
TSW identify the structure and components of a database	8.1.2.A.6			Differentiated Instruction
TSW enter information into a database or spreadsheet and filter the information	8.1.2.A.7			

TSW illustrate and communicate original ideas and stories using multiple digital tools and resources	8.1.2.B.1			
TSW utilize electronic tools to engage in learning activities with others	8.1.2.C.1			
TSW use various media formats such as online collaborative tools and social media	8.1.2.C.1			
TSW model legal and ethical behaviors using both print and non print information	8.1.2.D.1			
TSW use digital tools and online resources to explore a problem or issue	8.1.2.E.1			
TSW utilize electronic mapping tools to plan and solve problems	8.1.2.F.1			

**Focus Topic: Standard 8.2: Technology Education, Engineering, and Design**

TSW = The Student Will

<b>Objective(s)</b>	<b>NJCCCS Alignment</b>	<b>Essential Questions</b>	<b>Understandings</b>	<b>Suggested Assessment Activities</b>
TSW define products produced as a result of technology or of nature	8.2.2.A.1	How does technology help us in our everyday lives?	Technological systems impact the world.	Ongoing observation & questioning during class discussions
TSW describe how designed product is useful at school, home, and work	8.2.2.A.2	What are the advantages vs. disadvantages of technology?	The design process is a systematic approach to solving problems.	Performance tasks
TSW identify a system and the components that work together for a purpose	8.2.2.A.3	How does technology affect our environment?	Digital tools promote communication and collaboration in design.	Self-Assessment
TSW collaborate to design a solution to a problem affecting the community	8.2.2.A.5	How do parts of a system work together?		NJ TAP IN Checklist
TSW identify how technology impacts or improves life	8.2.2.B.1	Why is safety important?		Projects
TSW understand how reusing a product affects the local and global environment	8.2.2.B.2			Technology Integration
TSW identify products or systems that are designed to meet human needs	8.2.2.B.3			Differentiated Instruction
TSW identify the ways people live and work that have changed due to technology	8.2.2.B.4			

TSW demonstrate how reuse of a product affects the environment	8.2.2.C.1			
TSW create a drawing of a product or device that communicates its function to peers	8.2.2.C.2			
TSW converse about product designs and brainstorm how to improve a design	8.2.2.C.4			
TSW describe how the parts of a common tool interact and work as part of a system	8.2.2.C.5			
TSW brainstorm ideas to correct a problem	8.2.2.C.6			
TSW collaborate and apply a design process to solve a simple problem from an experience	8.2.2.D.1			
TSW discover how to put a product back together	8.2.2.D.2			
TSW identify the resources needed to create technological products or systems	8.2.2.D.4			
TSW identify how using a tool aids in reducing work	8.2.2.D.5			
TSW list and demonstrate the steps to an everyday task	8.2.2.E.1			
TSW interpret and display computer information as output	8.2.2.E.2			

TSW create sets of instructions using pre-defined set of commands	8.2.2.E.3			
TSW correct a digital device error	8.2.2.E.4			