

Focus Topic: Standard 8.1: Educational Technology

TSW = The Student Will

Objective(s)	NJCCCS Alignment	Essential Questions	Understandings	Suggested Assessments
<ul style="list-style-type: none"> • TSW demonstrate effective input of text and data using an input device 	8.1.4.A.1	- Why do I need to use technology?	<ul style="list-style-type: none"> • The use of technology and digital tools requires knowledge. 	Ongoing observation & questioning during class discussions
<ul style="list-style-type: none"> • TSW create a document with text formatting and graphics using a word processing program 	8.1.4.A.2	- What are common uses of technology?	<ul style="list-style-type: none"> • Media rich resources enhance creativity. 	Performance tasks
<ul style="list-style-type: none"> • TSW create and present a basic multimedia presentation including graphics 	8.1.4.A.3	- Why is safety important?	<ul style="list-style-type: none"> • Digital tools assist in gathering and managing information. 	Self-Assessment
<ul style="list-style-type: none"> • TSW create a simple spreadsheet entering data and interpreting information 	8.1.4.A.4	- What purpose do digital tools serve?	<ul style="list-style-type: none"> • Technological development creates societal concerns. 	NJ TAP IN Checklist
<ul style="list-style-type: none"> • TSW list the benefits of digital tools for solving problems 	8.1.4.A.5	- What impact do global issues have on technology?	<ul style="list-style-type: none"> • Technology impacts our lives 	Projects
<ul style="list-style-type: none"> • TSW produce a media rich digital story about a significant event (first person interviews) 	8.1.4.B.1	- How do digital tools affect our lives?		
<ul style="list-style-type: none"> • TSW engage in online discussions with other learners to understand perspectives relating to a problem 	8.1.4.C.1			
<ul style="list-style-type: none"> • TSW practice cyber safety, cyber security, and cyber ethics when using technology 	8.1.4.D.1			
<ul style="list-style-type: none"> • TSW analyze the need for and use of copyrights 	8.1.4.D.2			
<ul style="list-style-type: none"> • TSW explain the purpose and consequences of an acceptable use policy 	8.1.4.D.3			
<ul style="list-style-type: none"> • TSW use digital tools and online resources to explore a problem or issue facing children and discuss possible solutions 	8.1.4.E.1			
<ul style="list-style-type: none"> • TSW evaluate the accuracy and appropriateness of print and non-print electronic information 	8.1.4.E.2			

<ul style="list-style-type: none"> • TSW utilize digital tools to collect and organize data that support a scientific finding 	8.1.4.F.1			
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Focus Topic: Standard 8.2: Technology Education, Engineering, and Design

TSW = The Student Will

Objective(s)	NJCCCS Alignment	Essential Questions	Understandings	Suggested Assessment Activities
<ul style="list-style-type: none"> • TSW investigate factors that influence the development of technology products and systems 	8.2.4.A.1	- How does technology help us in our everyday lives?	<ul style="list-style-type: none"> • Technological systems impact the world. 	Ongoing observation & questioning during class discussions
<ul style="list-style-type: none"> • TSW compare and contrast how technology has changed over time to economic, political, and/or cultural influences 	8.2.4.A.2	- What are the advantages vs. disadvantages of technology?	<ul style="list-style-type: none"> • The design process is a systematic approach to solving problems. 	Performance tasks
<ul style="list-style-type: none"> • TSW develop a product using an online simulation using the design process 	8.2.4.B.1	- How does technology affect our environment?	<ul style="list-style-type: none"> • Digital tools promote communication and collaboration in design. 	Self-Assessment
<ul style="list-style-type: none"> • TSW design an alternate use for an existing product 	8.2.4.B.2	- How do parts of a system work together?	<ul style="list-style-type: none"> • Products and systems are created through application and resources 	NJ TAP IN Checklist
<ul style="list-style-type: none"> • TSW explain the negative and positive effects of products and systems on humans and the environment 	8.2.4.B.3	- Why recycle?		Projects
<ul style="list-style-type: none"> • TSW compare and contrast how technology transfer happens within technology and other fields of study 	8.2.4.B.4	- How do parts work together in a system?		
<ul style="list-style-type: none"> • TSW understand the impact of disposing of materials in a responsible way 	8.2.4.C.1			
<ul style="list-style-type: none"> • TSW understand the purpose of trademarks and impact of infringement on businesses 	8.2.4.C.2			
<ul style="list-style-type: none"> • TSW examine ethical considerations in the production of a product from inception to consumers 	8.2.4.C.3			
<ul style="list-style-type: none"> • TSW analyze responses regarding a product and suggest modifications 	8.2.4.D.1			
<ul style="list-style-type: none"> • TSW work in collaboration with peers to produce a report related to technology success or failure to address a problem 	8.2.4.E.1			

<ul style="list-style-type: none"> • TSW describe how resources are utilized in technology 	8.2.4.F.1			
<ul style="list-style-type: none"> • TSW explain how resources are processed in order to produce technological products and systems 	8.2.4.F.2			
<ul style="list-style-type: none"> • TSW present options to repair a malfunctioning tool 	8.2.4.G.1			
<ul style="list-style-type: none"> • TSW explain the functions of a system and subsystem 	8.2.4.G.2			
<ul style="list-style-type: none"> • TSW evaluate the function of a technological product 	8.2.4.G.3			