Focus Topic: Standard 8.1: Educational Technology

TSW = The Student Will

Objective(s)	NJCCCS Alignment	Essential Questions	Understandings	Suggested Assessments Activities
TSW select and use appropriate digital tools	8.1.5.A.1	Why do I need to use technology?	The use of technology and digital tools requires knowledge.	Ongoing observation & questioning during class discussions
TSW format a document using a word processing application	8.1.5.A.2	What are common uses of technology?	Media rich resources enhance creativity.	Performance tasks
TSW use a graphic organizer to organize information about a problem	8.1.5.A.3	Why is safety important?	Digital tools assist in gathering and managing information.	Self-Assessment
TSW graph data using a spreadsheet	8.1.5.A.4	What purpose do digital tools serve?	Technological development creates societal concerns.	NJ TAP IN Checklist
TSW collaboratively work to produce a digital story	8.1.5.B.1			Projects
TSW engage in online discussion with learners of other cultures to investigate worldwide issues	8.1.5.C.1			Differentiated Instruction
TSW understand the need for and use of copyrights	8.1.5.D.1			Technology Integration
TSW demonstrate an understanding of the need to practice cyber safety	8.1.5.D.3			
TSW understand digital citizenship	8.1.5.D.4			

TSW use digital tools to research	8.1.5.E.1			
TSW apply digital tools to collect, organize and analyze data that support a scientific finding	8.1.5.F.1			

Focus Topic: Standard 8.2: Technology Education, Engineering, and Design TSW = The Student Will

Objective(s)	NJCCCS Alignment	Essential Questions	Understandings	Suggested Assessment Activities
TSW compare and contrast how products made in nature differ from products that are human made	8.2.5.A.1	How does technology help us in our everyday lives?	Technological systems impact the world.	Ongoing observation & questioning during class discussions
TSW compare and contrast how technologies have changed over time	8.2.5.A.4	What are the advantages vs. disadvantages of technology?	The design process is a systematic approach to solving problems.	Performance tasks
TSW examine systems used for recycling and recommend simplification of the system	8.2.5.B.2	How does technology affect our environment?	Digital tools promote communication and collaboration in design.	Self-Assessment
TSW investigate ways that various technologies are being developed	8.2.5.B.3	How do parts of a system work together?	Products and systems are created through application and resources	NJ TAP IN Checklist
TSW research technologies that have changed due to society	8.2.5.B.4	Why recycle?		Projects

TSW collaborate with peers to illustrate components of a designed system	8.2.5.C.1	How do parts work together in a system?		Differentiated Instruction
TSW collaborate and brainstorm with peers to solve a problem	8.2.5.C.4			Technology Integration
TSW work with peers to redesign an existing product for a different purpose	8.2.5.C.7			
TSW evaluate and test alternative solutions to a problem	8.2.5.D.2			
TSW follow step by step directions to assemble a product or solve a problem	8.2.5.D.3			
TSW explain the positive and negative effects of products	8.2.5.D.6			
TSW identify how computer programming impacts our everyday lives	8.2.5.E.1			
TSW use a simple, visual programming language to create a simple program (see Glossary)	8.2.5.E.3			
TSW use appropriate terms in conversation (EX: program, memory, software, procedure, data) – see Glossary	8.2.5.E.4			