

Stage 1 - Desired Results

Related NJCCCS standard(s):

- 8.1.5.A.1
- 8.1.5.A.2
- 8.1.5.A.3
- 8.1.5.A.4
- 8.1.5.A.5
- 8.1.5.A.6
- 8.1.8.A.1
- 8.1.8.A.2
- 8.1.8.A.3
- 8.1.8.A.4
- 8.1.8.A.5

Transfer

Students will be able to independently use their learning to...

- Use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.

Meaning

Enduring Understandings (EUs)

Students will understand that...

- Technology is constantly changing and requires continuous learning of new skills.
- Selection of technology should be based on personal and /or career needs assessment.
- A tool is only as good as the person using it.
- Digital tools provide opportunities for people to have new experiences, recognize problems, design solutions, and express their ideas.

Essential Questions (EQs)

Students will keep considering...

- In a world of constant change, what skills should we learn?
- How do I choose which technological tools to use and when it is appropriate to use them?
- How can I transfer what I know to new technological situations/experiences?
- How can digital tools be used for creating original and innovative works, ideas, and solutions?

Grade Level Benchmarks

Knowledge

Students will know...

- Technology vocabulary
 - Text box, Table, Layout, Ruler, Spell Check, Thesaurus, Grammar Check, Print preview, Header, Footer, Margins, Fields, Sort, Query, Custom animation, Chart
- How to insert and edit graphics in Word.
- How to edit text in Word using built in features.
- The purpose of custom animation in PowerPoint.
- Names of computer applications
 - Prezi, Google Docs, Publisher, Glogster, Inspiration
- Computer icons
 - Chart Wizard, Custom Animation, Spell Check, Calculate
- Application toolbars
 - Word, Excel, Powerpoint

Skills

Students will be able to...

- Select and use the appropriate digital tools and resources to accomplish a variety of tasks including solving problems.
- Format a document using a word processing application to enhance text and include graphics, symbols and/ or pictures.
- Use a graphic organizer to organize information about problem or issue.
- Graph data using a spreadsheet, analyze and produce a report that explains the analysis of the data.
- Create and use a database to answer basic questions.
- Export data from a database into a spreadsheet; analyze and produce a report that explains the analysis of the data.
- Demonstrate knowledge of a real world problem using digital tools.
- Create a document (e.g. newsletter, reports, personalized learning plan, business letters or flyers) using one or more digital applications to be critiqued by professionals for usability.

		<ul style="list-style-type: none">• Use and/or develop a simulation that provides an environment to solve a real world problem or theory.• Graph and calculate data within a spreadsheet and present a summary of the results• Create a database query, sort and create a report and describe the process, and explain the report results.
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COURSE: Information & Communication Technology Literacy **LEVEL:** Grades 5-8 **UNIT/FOCUS:** Living and Communicating in a Digital World

Stage 1 - Desired Results

<p><i>Related NJCCCS standard(s):</i></p> <p>8.1.5.C.1 8.1.8.C.1 8.1.5.D.1 8.1.5.D.2 8.1.5.D.3 8.1.5.D.4 8.1.8.D.1 8.1.8.D.2 8.1.8.D.3 8.1.8.D.4 8.1.8.D.5</p>	Transfer	
	<i>Students will be able to independently use their learning to...</i>	
	<ul style="list-style-type: none"> Use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge. 	
	Meaning	
	Enduring Understandings (EUs)	Essential Questions (EQs)
	<p><i>Students will understand that...</i></p> <ul style="list-style-type: none"> Digital tools allow for communication and collaboration anytime/anyplace worldwide. Technology use can have positive or negative impact on both users and those affected by their use. Technology creates international cooperation and competition. 	<p><i>Students will keep considering...</i></p> <ul style="list-style-type: none"> How has the use of digital tools improved opportunities for communication and collaboration? What are an individual's responsibilities for using technology? What constitutes misuse and how can it best be prevented?
Grade Level Benchmarks		
Knowledge	Skills	
<p><i>Students will know...</i></p> <ul style="list-style-type: none"> The contents of the Acceptable Use Policy. Good behavior applies when working online. Information on the Internet is not free to use as your own. Both print and non-print information can be spun to meet its needs. Know the names of information sharing sites / tools <ul style="list-style-type: none"> wikis, podcasts 	<p><i>Students will be able to...</i></p> <ul style="list-style-type: none"> Engage in online discussions with learners of other cultures to investigate a worldwide issue from multiple perspectives and sources, evaluate findings and present possible solutions, using digital tools and online resources for all steps. Collaborate to develop and publish work that provides perspectives on a global problem for discussions with learners from other countries. Understand the need for and use of copyrights. Analyze the resource citations in online materials for proper use. Demonstrate an understanding of the need to practice cyber safety, cyber security, and cyber ethics when using technologies and social media. Understand digital citizenship and demonstrate an understanding of the personal consequences of inappropriate use of technology and social media. 	

		<ul style="list-style-type: none">• Understand and model appropriate online behaviors related to cyber safety, cyber bullying, cyber security, and cyber ethics including appropriate use of social media.• Demonstrate the application of appropriate citations to digital content.• Demonstrate an understanding of fair use and Creative Commons to intellectual property.• Assess the credibility and accuracy of digital content.• Understand appropriate uses for social media and the negative consequences of misuse.
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COURSE: Information & Communication
Technology Literacy

LEVEL: Grades 5-8

UNIT/FOCUS: Technology as a Tool

Stage 1 - Desired Results

Related NJCCCS standard(s):

8.1.5.E.1
8.1.8.E.1
8.1.5.F.1
8.1.8.F.1

Transfer

Students will be able to independently use their learning to...

- Use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.

Meaning

Enduring Understandings (EUs)

Students will understand that...

- Information is spread worldwide within seconds due to technological advancements and has an immediate impact.
- Selection of technology should be based on personal and/or career needs assessment.
- Information uploaded to the Internet or sent through email cannot be retrieved or completely erased.
- Resources are created for a variety of purposes.

Essential Questions (EQs)

Students will keep considering...

- Why is the evaluation and appropriate use of accurate information more important than ever in the technological age?
- How does the use of technology become part of a problem solving approach?

Grade Level Benchmarks

Knowledge

Students will know...

- Probes are used to collect scientific data.
- Names of data collection technology
 - Google Earth, IRIS, ISCCP
- Authors can be published using electronic tools.
- Names of publishing tools
 - ComicLife, NewsCreator
- Names of social media sites
 - YouTube, Scridb, Flickr, Metacafe

Skills

Students will be able to...

- Use digital tools to research and evaluate the accuracy of, relevance to, and appropriateness of using print and non-print electronic information sources to complete a variety of tasks.
- Effectively use a variety of search tools and filters in professional public databases to find information to solve a real world problem.
- Apply digital tools to collect, organize, and analyze data that support a scientific finding.
- Explore a local issue, by using digital tools to collect and analyze data to identify a solution and make an informed decision.