

COURSE: Information & Communication
Technology Literacy

LEVEL: Grade 4

UNIT/FOCUS: Technological Creativity and Innovation

Stage 1 - Desired Results

<p><i>Related standard(s):</i></p> <p>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 8.1.5.B.1</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)
	<i>Students will understand that...</i> <ul style="list-style-type: none"> 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. 	<i>Students will keep considering...</i> <ul style="list-style-type: none"> 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	Skills	
<i>Students will know...</i> <ul style="list-style-type: none"> Basic technology vocabulary <ul style="list-style-type: none"> Format, Spreadsheet, Cell, Column, Row, Slide, Word Art Names of basic computer applications <ul style="list-style-type: none"> Word, Kidspiration, PowerPoint, Internet Explorer, Chrome, Microsoft Encarta, Excel, Madarin OPAC, PhotoStory, Publisher Basic computer icons <ul style="list-style-type: none"> Word Art, Bold, Italics, Underline How to change the format of text in Word. How to insert graphics in Word and PowerPoint. How to create and edit slides in PowerPoint. 	<i>Students will be able to...</i> <ul style="list-style-type: none"> 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. Collaborative to produce a digital story about a significant local event or issue based on first-person interviews. 	

COURSE: Information & Communication
Technology Literacy

LEVEL: Grade 4

UNIT/FOCUS: Living and Communicating in a Digital World

Stage 1 - Desired Results

Related standard(s):

8.1.5.C.1
8.1.5.D.1
8.1.5.D.2
8.1.5.D.3
8.1.5.D.4

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...

- 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.

Essential Questions (EQs)

Students will keep considering...

- 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

Students will know...

- Electronic communication can take many forms, such as email, blogging, message boards, and Skype.
- Computers can be used by those who are dishonest.
- What a copyright is.
- There are rules and consequences for using technology, both in school and the real world.

Skills

Students will be able to...

- 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.
- 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.

COURSE: Information & Communication
Technology Literacy

LEVEL: Grade 4

UNIT/FOCUS: Technology as a Tool

Stage 1 - Desired Results

Related standard(s):

8.1.5.E.1
8.1.5.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.

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...

- The Internet contains information about the entire planet.
- Both print and non-print resources have appropriate uses.
- Scientists use technology to support their work.

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.
- Apply digital tools to collect, organize, and analyze data that support a scientific finding.