

## 2016 Technology Standards and Substandards

	Standards	Substandards				
<b>Kindergarten</b>	<i>Novice Learner</i>	Demonstrates and uses proper technology terminology	Demonstrates the basic operation of the device	Demonstrates the basic operation of a web browser		
	<i>Digital Citizen</i>	Complies with the terms of the AUP				
	<i>Knowledge Curator</i>	Demonstrates basic word processing skills				
	<i>Innovative Designer</i>	Demonstrates basic ability to use painting/drawing tools	Uses basic coding application			
<b>First Grade</b>	<i>Novice Learner</i>	Demonstrates and uses proper technology terminology	Demonstrates the basic operation of the device	Demonstrates the basic operation of a web browser		
	<i>Digital Citizen</i>	Complies with the terms of the AUP				
	<i>Knowledge Curator</i>	Demonstrates basic word processing skills	Uses keywords in a search engine			
	<i>Innovative Designer</i>	Demonstrates basic ability to use painting/drawing tools	Uses basic coding application			
<b>Second Grade</b>	<i>Novice Learner</i>	Demonstrates and uses proper technology terminology	Demonstrates the basic operation of the device	Demonstrates the basic operation of a web browser	Demonstrates the ability to create, edit and save files	
	<i>Digital Citizen</i>	Complies with the terms of the AUP	Applies simple research citations			
	<i>Knowledge Curator</i>	Demonstrates basic word processing skills	Uses keywords in a search engine			
	<i>Innovative Designer</i>	Demonstrates basic ability to use painting/drawing tools	Uses basic coding application			
	<i>Creator and Communicator</i>	Creates and presents an electronic presentation				
<b>Third Grade</b>	<i>Novice Learner</i>	Demonstrates and uses proper technology terminology	Demonstrates the basic operation of a web browser	Demonstrates the ability to create, edit and save files	Demonstrates proper keyboarding techniques	
	<i>Digital Citizen</i>	Complies with the terms of the AUP	Applies simple research citations	Applies privacy practices (e.g. passwords, logging off, public vs. personal devices)		
	<i>Empowered Learner</i>	Uses digital tools to achieve learning goals				
	<i>Knowledge Curator</i>	Demonstrates ability to create and format a document	Uses keywords in a search engine	Identifies appropriate resources to find information		
	<i>Innovative Designer</i>	Illustrates knowledge using basic painting/drawing tools	Uses basic coding application			
	<i>Computational Thinker</i>	Uses spreadsheet to gather and organize data				
	<i>Creator and Communicator</i>	Creates and presents an electronic presentation				

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<b>Fourth Grade</b>	<b>Novice Learner</b>	Demonstrates and uses proper technology terminology	Demonstrates the use of various parts of a web browser	Demonstrates the ability to create, edit, save and organize files	Demonstrates proper keyboarding techniques		
	<b>Digital Citizen</b>	Complies with the terms of the AUP	Uses citations in research	Understands plagiarism and consequences	Understands cyber safety		
	<b>Empowered Learner</b>	Uses digital tools to achieve learning goals					
	<b>Knowledge Curator</b>	Demonstrates ability to create and format a document	Uses keywords and various search strategies in a search engine	Locates and evaluates resources			
	<b>Innovative Designer</b>	Illustrates knowledge using painting/drawing tools	Uses coding application				
	<b>Computational Thinker</b>	Uses spreadsheet to gather and organize data					
	<b>Creator and Communicator</b>	Creates and presents an electronic presentation					
	<b>Global Collaborator</b>	Shares ideas/projects, using digital tools					
<b>Fifth Grade</b>	<b>Novice Learner</b>	Demonstrates and uses proper technology terminology	Demonstrates the use of various parts of a web browser	Demonstrates the ability to create, edit, save and organize files	Demonstrates proper keyboarding techniques		
	<b>Digital Citizen</b>	Complies with the terms of the AUP	Understands plagiarism and consequences	Understands cyber safety			
	<b>Empowered Learner</b>	Uses digital tools to achieve learning goals	Access learning resources and opportunities				
	<b>Knowledge Curator</b>	Demonstrates ability to create and format a document	Uses keywords and various search strategies in a search engine	Locates and evaluates resources	Uses citations for information and graphics in research		
	<b>Innovative Designer</b>	Illustrates knowledge using painting/drawing tools	Creates simple sequence of code				
	<b>Computational Thinker</b>	Uses spreadsheet to gather and organize data	Creates a graph from data				
	<b>Creator and Communicator</b>	Understands the basic concept of digital communication	Creates and presents an electronic presentation	Creates a digital performance			
	<b>Global Collaborator</b>	Shares ideas/projects, using digital tools	Creates and participates in a group digital project				
<b>Sixth Grade</b>	<b>Novice Learner</b>	Demonstrates the use of advanced features of a web browser	Understands the history of computer development	Understands networking and storage options	Demonstrates understanding of file extensions and domain extensions		
	<b>Digital Citizen</b>	Complies with the terms of the AUP	Complies with copyright guidelines and Fair Use	Understands cyber safety	Understands the issues and effects of cyber bullying		
	<b>Empowered Learner</b>	Chooses appropriate digital tools to achieve learning goals	Access learning resources and opportunities	Applies feedback from others to improve digital projects			
	<b>Knowledge Curator</b>	Demonstrates the use of advanced features of word processing and other applications	Uses keywords and various search strategies in a search engine	Locates and evaluates resources	Uses citations for information and graphics in research		
	<b>Innovative Designer</b>	Illustrates knowledge using painting/drawing tools	Creates simple sequence of code				
	<b>Computational Thinker</b>	Uses spreadsheet to gather, organize and interpret data	Chooses the appropriate type of graph needed to illustrate the given data	Analyzes data using a graph			

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	<b>Creator and Communicator</b>	Understands basic e-mail interface	Creates and presents an electronic presentation	Creates a digital performance			
	<b>Global Collaborator</b>	Shares ideas/projects, using digital tools	Creates and participates in a group digital project				
<b>Seventh Grade</b>	<b>Novice Learner</b>	Uses the advanced features of a web browser	Understands the history of computer development	Understands networking and storage options	Demonstrates understanding of file extensions and domain extensions	Multi-tasks with several programs	Can identify and troubleshoot problems
	<b>Digital Citizen</b>	Complies with the terms of the AUP	Complies with copyright guidelines and Fair Use	Understands cyber safety	Understands the issues and effects of cyber bullying		
	<b>Empowered Learner</b>	Chooses appropriate digital tools to achieve learning goals	Access learning resources and opportunities	Applies feedback from others to improve digital projects			
	<b>Knowledge Curator</b>	Demonstrates the use of advanced features of word processing and other applications	Uses keywords and various search strategies in a search engine	Locates and evaluates resources	Uses citations for information and graphics in research		
	<b>Innovative Designer</b>	Illustrates knowledge using painting/drawing tools	Creates code to create a simple project	Demonstrates knowledge by creating a simple 3D project			
	<b>Computational Thinker</b>	Uses spreadsheet to gather, organize and interpret data	Understands and uses formulas and functions	Chooses the appropriate type of graph needed to illustrate the given data	Analyzes data using a graph		
	<b>Creator and Communicator</b>	Understands acceptable digital communication etiquette	Distinguishes between formal and informal digital communications	Illustrates understanding of visual literacy concepts in an electronic presentation	Illustrates understanding of visual literacy concepts in a digital performance		
	<b>Global Collaborator</b>	Shares ideas/projects, using digital tools	Creates and participates in a group digital project				
<b>Eighth Grade</b>	<b>Novice Learner</b>	Uses the advanced features of a web browser	Understands the history of computer development	Understands networking and storage options	Demonstrates understanding of file extensions and domain extensions	Multi-tasks with several programs	Can identify and troubleshoot problems
	<b>Digital Citizen</b>	Complies with the terms of the AUP	Complies with copyright guidelines and Fair Use	Understands cyber safety	Understands the issues and effects of cyber bullying		
	<b>Empowered Learner</b>	Chooses appropriate digital tools to achieve learning goals	Access learning resources and opportunities	Applies feedback from others to improve digital projects			
	<b>Knowledge Curator</b>	Demonstrates the use of advanced features of word processing and other applications	Uses keywords and various search strategies in a search engine	Locates and evaluates resources	Uses citations for information and graphics in research		
	<b>Innovative Designer</b>	Illustrates knowledge using painting/drawing tools	Creates code to create a simple project	Demonstrates knowledge by creating a simple 3D project			
	<b>Computational Thinker</b>	Uses spreadsheet to gather, organize and interpret data	Understands and uses formulas and functions	Chooses the appropriate type of graph needed to illustrate the given data	Analyzes data using a graph		
	<b>Creator and Communicator</b>	Understands acceptable digital communication etiquette	Distinguishes between formal and informal digital communications	Illustrates understanding of visual literacy concepts in an electronic presentation	Illustrates understanding of visual literacy concepts in a digital performance	Creates a web page to communicate information	
	<b>Global Collaborator</b>	Shares ideas/projects, using digital tools	Creates and participates in a group digital project	Demonstrates Christian values when collaborating with outside agencies using digital tools			