



Diocese of Greensburg Curriculum Technology Grade 6

Unit	Standards	Content	Skills
<p>Digital Citizenship</p>	<p>PA: Business, Computer & Information Technology (2012) PA: Grade 6-8</p> <hr/> <p>15.3 Communication 15.3 Communication</p> <p>15.3.8.T: Discuss the rules of digital citizenship. Reference Business, Computer and Information Technologies 15.4.8.B</p> <p>15.4 Computer and Information Technologies 15.4 Computer and Information Technologies</p> <p>15.4.8.B: Interpret and apply appropriate social, legal, ethical, and safe behaviors of digital citizenship.</p> <p>ISTE: Educational Technology (2016) All Grades</p> <hr/> <p>2. Digital Citizen Students recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and they act and model in ways that are safe, legal and ethical. Students:</p> <p>a. cultivate and manage their digital identity and reputation and are aware of the permanence of their actions in the digital world.</p> <p>b. engage in positive, safe, legal and ethical behavior when using technology, including social interactions online or when using networked devices.</p>	<ul style="list-style-type: none"> • Acceptable use policies • Cyber-bullying • Online security • Social media • Digital citizen • Upstander • Bystander • Personal information • Media balance 	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Demonstrate compliance with the Diocesan Acceptable Use Policy. • Identify a way to stay safe from online threats. • Identify the value and risks of social media. • Demonstrate respectful behaviors online in line with Catholic beliefs. • Apply rules of good digital citizenship. • Make a plan to balance media use.

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	<p>c. demonstrate an understanding of and respect for the rights and obligations of using and sharing intellectual property.</p> <p>d. manage their personal data to maintain digital privacy and security and are aware of data-collection technology used to track their navigation online.</p> <p>Copyright © 2015 Commonwealth of Pennsylvania. All Rights Reserved</p>		
<p>Web Accounts</p>	<p>ISTE: Educational Technology (2016) All Grades</p> <hr/> <p>2. Digital Citizen Students recognize the rights, responsibilities and opportunities of living, learning and working in an interconnected digital world, and they act and model in ways that are safe, legal and ethical. Students:</p> <p>a. cultivate and manage their digital identity and reputation and are aware of the permanence of their actions in the digital world.</p> <p>b. engage in positive, safe, legal and ethical behavior when using technology, including social interactions online or when using networked devices.</p> <p>d. manage their personal data to maintain digital privacy and security and are aware of data-collection technology used to track their navigation online.</p> <p>2016 ISTE Standards Students 2016 ISTE Standards for Students, ©2016, ISTE® (International Society for Technology in Education), iste.org. All rights reserved.</p>	<ul style="list-style-type: none"> • Email accounts • Office 365 • Cloud storage • File management 	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Log in and out of email and online accounts. • Compose and send an email. • Add an attachment. • Use One Drive for storage. • Manage and organize files and accounts. • Choose and use online tools correctly and appropriately.

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<p>Basic Computer Skills and Keyboarding</p>	<p>ISTE: Educational Technology (2016) All Grades</p> <hr/> <p>1. Empowered Learner Students leverage technology to take an active role in choosing, achieving and demonstrating competency in their learning goals, informed by the learning sciences. Students:</p> <p>c. use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.</p> <p>d. understand the fundamental concepts of technology operations, demonstrate the ability to choose, use and troubleshoot current technologies and are able to transfer their knowledge to explore emerging technologies.</p> <p>6. Creative Communicator Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals. Students:</p> <p>a. choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication.</p> <p>2016 ISTE Standards Students 2016 ISTE Standards for Students, ©2016, ISTE® (International Society for Technology in Education), iste.org. All rights reserved.</p>	<ul style="list-style-type: none"> • Files/ Folders • Storage devices • Troubleshoot • Cloud • Input • Output 	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Use input and output devices correctly. • Create and manage files and folders. • Troubleshoot problems they may encounter. • Use keyboard shortcuts correctly.

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<p>Word Processing</p>	<p>ISTE: Educational Technology (2016) All Grades</p> <hr/> <p>3. Knowledge Constructor Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for themselves and others. Students:</p> <p>c. curate information from digital resources using a variety of tools and methods to create collections of artifacts that demonstrate meaningful connections or conclusions.</p> <p>6. Creative Communicator Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals. Students:</p> <p>a. choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication.</p> <p>b. create original works or responsibly repurpose or remix digital resources into new creations.</p> <p>c. communicate complex ideas clearly and effectively by creating or using a variety of digital objects such as visualizations, models or simulations.</p> <p>d. publish or present content that customizes the message and medium for their intended audiences.</p> <p>2016 ISTE Standards Students 2016 ISTE Standards for Students, ©2016, ISTE® (International Society for Technology in Education), iste.org. All rights reserved.</p>	<ul style="list-style-type: none"> • Commands ○ Cut ○ Copy ○ Paste • Font • Table • Borders • Hyperlinks • Ribbons • Tabs • Groups • Keyboard shortcuts • Highlight • Insert • Save/Save as • Format 	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Enter, delete, and edit text into a document. • Change font size, style, and color. • Employ keyboard shortcuts. • Insert and manipulate images, borders, and tables. • Insert hyperlinks.

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<p>Research</p>	<p>ISTE: Educational Technology (2016) All Grades</p> <hr/> <p>3. Knowledge Constructor Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for themselves and others. Students:</p> <p>a. plan and employ effective research strategies to locate information and other resources for their intellectual or creative pursuits.</p> <p>2016 ISTE Standards Students 2016 ISTE Standards for Students, ©2016, ISTE® (International Society for Technology in Education), iste.org. All rights reserved.</p>	<ul style="list-style-type: none"> • Address bar • Web browser • Search engine • Forward/Backward arrows • Search results • Keywords • Sources • Copyright • Plagiarism • Favorite • Bookmarks • Citation 	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Enter website address into address bar. • Identify and use child friendly search engines. • Navigate using back and forward arrows. • Determine most applicable search results. • Identify and utilize favorites/bookmarks. • Cite sources and images. • Avoid plagiarism by writing information in their own words.
<p>Coding</p>	<p>ISTE: Educational Technology (2016) All Grades</p> <hr/> <p>1. Empowered Learner Students leverage technology to take an active role in choosing, achieving and demonstrating competency in their learning goals, informed by the learning sciences. Students:</p> <p>c. use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.</p> <p>4. Innovative Designer Students use a variety of technologies within a design process to identify and solve problems by creating new, useful or imaginative solutions. Students:</p> <p>a. know and use a deliberate design process for generating ideas, testing theories, creating innovative artifacts or solving authentic problems.</p> <p>2016 ISTE Standards Students 2016 ISTE Standards for Students, ©2016,</p>	<ul style="list-style-type: none"> • Code blocks • Repeat • Loop • Functions • Algorithm • Debugging • Troubleshooting • Sequence • Conditionals • Condition 	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Design a code. • Debug a code. • Loop a code. • Use algorithms. • Sequence and break down commands. • Use conditionals appropriately.

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Spreadsheets	<p>ISTE: Educational Technology (2016) All Grades</p> <p>1. Empowered Learner Students leverage technology to take an active role in choosing, achieving and demonstrating competency in their learning goals, informed by the learning sciences. Students:</p> <p>c. use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.</p> <p>d. understand the fundamental concepts of technology operations, demonstrate the ability to choose, use and troubleshoot current technologies and are able to transfer their knowledge to explore emerging technologies.</p> <p>5. Computational Thinker Students develop and employ strategies for understanding and solving problems in ways that leverage the power of technological methods to develop and test solutions. Students:</p> <p>d. understand how automation works and use algorithmic thinking to develop a sequence of steps to create and test automated solutions.</p> <p>2016 ISTE Standards Students 2016 ISTE Standards for Students, ©2016, ISTE® (International Society for Technology in Education), iste.org. All rights reserved.</p>	<ul style="list-style-type: none"> • Cells • Columns • Rows • Ribbons • Functions • Tabs • Groups • Keyboard shortcuts • Highlight • Insert • Sum • Sort • Formula • Format • Values • Label • Chart • Graph • Data • Spreadsheet • Calculate • Sort • Filter • Freeze 	<p>The student will be able to:</p> <ul style="list-style-type: none"> • Insert, label, and create graphs. • Delete and edit text and numbers within cell. • Employ keyboard shortcuts. • Use functions. • Perform calculations using formulas and mathematical symbols. • Sort and filter information. • Freeze panes.

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<p>Presentations</p>	<p>ISTE: Educational Technology (2016) All Grades</p> <hr/> <p>6. Creative Communicator Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals. Students:</p> <p>a. choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication.</p> <p>b. create original works or responsibly repurpose or remix digital resources into new creations.</p> <p>c. communicate complex ideas clearly and effectively by creating or using a variety of digital objects such as visualizations, models or simulations.</p> <p>d. publish or present content that customizes the message and medium for their intended audiences.</p> <p>2016 ISTE Standards Students 2016 ISTE Standards for Students, ©2016, ISTE® (International Society for Technology in Education), iste.org. All rights reserved.</p>	<ul style="list-style-type: none"> • Ribbons • Tabs • Groups • Keyboard shortcuts • Highlight • Insert • Transition • Animation • Background • Design • Format • Theme • Hyperlink 	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Employ keyboard shortcuts. • Insert and manipulate images, video, and data in presentations. • Design and format a presentation using a presentation tool. • Organize content in a presentation. • Use animations and transitions appropriately and moderately. • Insert a hyperlink.

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<p>Digital Design</p>	<p>ISTE: Educational Technology (2016) All Grades</p> <hr/> <p>1. Empowered Learner Students leverage technology to take an active role in choosing, achieving and demonstrating competency in their learning goals, informed by the learning sciences. Students:</p> <p>c. use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.</p> <p>6. Creative Communicator Students communicate clearly and express themselves creatively for a variety of purposes using the platforms, tools, styles, formats and digital media appropriate to their goals. Students:</p> <p>b. create original works or responsibly repurpose or remix digital resources into new creations.</p> <p>2016 ISTE Standards Students 2016 ISTE Standards for Students, ©2016, ISTE® (International Society for Technology in Education), iste.org. All rights reserved.</p>	<ul style="list-style-type: none"> • Multimedia • Appropriate • Audience • Voice • Topic • Purpose • Content 	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Consider their audience when using digital design. • Use appropriate listening and presentation skills. • Plan and deliver a multimedia presentation that is appropriate to the purpose, topic, and content. • Choose the appropriate tool for the task.

