

East Penn School District
Curriculum and Instruction

Curriculum for: Grade 6 Computers

Course(s): Grade 6 Computers

Grades: 6

Department: Computer/Business Applications

Length of Period (average minutes): 40

Periods per cycle: 6

Length of Course (yrs): ½ (trimester)

Type of offering: Exploratory

Credit(s) awarded: .33

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ADOPTED: June 10, 2019

Digital Citizenship/Digital Literacy		
Enduring Understandings & Essential Questions	Skills and Knowledge	Standards
<p>Enduring Understandings:</p> <ul style="list-style-type: none"> ● Digital media habits and consumption can be both healthy and unhealthy. ● The digital footprint can impact you immediately and in your future. ● Digital communication can lead to miscommunication. <p>Essential Questions:</p> <ul style="list-style-type: none"> ● How do I safely manage my data and navigate the internet? ● What is the place of digital media in our lives? ● What are your personal media habits, and how much time do you spend with different forms of media? ● What is a digital footprint, and what does yours convey? ● What is identity theft and how can you protect yourself from it? 	<p><i>Students will be skilled at...</i></p> <ul style="list-style-type: none"> ● Engaging in positive, safe, legal and ethical behavior when using technology, including social interactions online or when using networked devices. ● Cultivating and managing their digital identity and reputation and are aware of the permanence of their actions in the digital world. ● Managing their personal data to maintain digital privacy and security and are aware of data-collection technology used to track their navigation online. ● Demonstrating an understanding of and respect for the rights and obligations of using and sharing intellectual property. ● Demonstrating the ability to choose, use and troubleshoot current technologies and are able to transfer their knowledge to explore emerging technologies. <p><i>Students will know...</i></p> <ul style="list-style-type: none"> ● The fundamental concepts of technology operations ● How to choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication 	<p>ISTE Standards:</p> <p>1a Students articulate and set personal learning goals, develop strategies leveraging technology to achieve them and reflect on the learning process itself to improve learning outcomes.</p> <p>1c Students use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.</p> <p>1d Students 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>2a Students cultivate and manage their digital identity and reputation and are aware of the permanence of their actions in the digital world.</p> <p>2b Students engage in positive, safe, legal and ethical behavior when using technology, including social interactions online or when using networked devices.</p> <p>2d Students 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>7a Students use digital tools to connect with learners from a variety of backgrounds and cultures, engaging with them in ways that broaden mutual understanding and learning.</p>

Digital Ecosystems and Careers

Enduring Understandings:

- There is a process behind effective research.
- Career goals have varying educational paths.
- Different digital apps within Google's ecosystems interplay with each other.
- Personal interests can lead into a career choice.

Essential Questions:

- How do I create a timeline and sequence my task(s) to my deadline?
- How do I determine the resources needed based on task?
- How can text communicate content and structure on a web page?
- Why do people create websites?
- How can I incorporate content I find online into my own webpage?
- How do my current interests guide my selection of a career?

Students will be skilled at...

- Planning and employing effective research strategies to locate information and other resources for their intellectual or creative pursuits.
- Evaluating the accuracy, perspective, credibility and relevance of information, media, data or other resources.
- Using collaborative technologies to work with others, including peers, experts or community members, to examine issues and problems from multiple viewpoints.
- Contributing constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal
- Exploring local and global issues and use collaborative technologies to work with others to investigate solutions.

Students will know...

- How to plan a path to attain career goals
- How to curate information from digital resources using a variety of tools and methods to create an educational portfolio that demonstrates meaningful connections or conclusions
- How to use digital tools to connect with learners from a variety of backgrounds and cultures, engaging with them in ways that broaden mutual understanding and learning.
- How to investigate career opportunities related to one's interests and abilities

ISTE Standards

- 6a** Students choose the appropriate platforms and tools for meeting the desired objectives of their creation or communication.
- 6b** Students create original works or responsibly repurpose or remix digital resources into new creations.
- 6c** Students communicate complex ideas clearly and effectively by creating or using a variety of digital objects such as visualizations, models or simulations.
- 6d** Students publish or present content that customizes the message and medium for their intended audiences
- 7a** Students use digital tools to connect with learners from a variety of backgrounds and cultures, engaging with them in ways that broaden mutual understanding and learning.
- 7b** Students use collaborative technologies to work with others, including peers, experts or community members, to examine issues and problems from multiple viewpoints.
- 7c** Students contribute constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal
- 7d** Students explore local and global issues and use collaborative technologies to work with others to investigate solutions

CSTA Standards

- 2-AP-13** Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs.
- 2-CS-02** Design projects that combine hardware and software components to collect and exchange data.

		<p>PA Career Education and Work</p> <p>13.1.8.A Relate careers to individual interest, abilities, and aptitudes</p> <p>13.1.8.D Explain the relationship of career training programs to employment opportunities</p> <p>13.1.8.E Analyze the economic factors that impact employment opportunities</p>
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