



Computer Technology Technology and Coding Explorations

(Grade 6)



ORGANIZING THEME/TOPIC

FOCUS STANDARDS & SKILLS

<p>THEME/TOPIC: Organizing Digital Life</p> <p>Time Frame: 1 Week and integrated throughout course</p> <p>NETS Standard(s): Technology Operations and Concepts</p>	<p>Locate access, navigate and perform functions for a lifetime of learning.</p> <ul style="list-style-type: none"> • Track learning progress and grades • Compose and send an email • Access class materials in a learning management system (LMS) • Submit assignments and documents in a learning management system (LMS) • Navigate operating system (OS) Mac/Windows to locate libraries • Correctly save and organize files on network drives • Identify where these functions are used in other classes and in life
<p>THEME/TOPIC: Word/Numerical Processing</p> <p>Time Frame: 1-2 Weeks</p> <p>NETS Standard(s): Communication and Collaboration</p>	<p>Use toolbars to format and create basic documents through the use of word and numerical processing applications.</p> <p>Use tools and functions to solve problems.</p> <ul style="list-style-type: none"> • Use math functions (sums, average). • Create and format charts and organize information in a graphic format. • Insert data and analyze information. <p>Use word processing toolbars to enhance my documents.</p> <ul style="list-style-type: none"> • Open, edit, copy, cut and paste text and images in a word processing document. • Use tools to help proofread documents. • Use templates as necessary in creating new documents. • Format the page layout in a word processing document.

<p>THEME/TOPIC: Digital Citizenship</p> <p>Time Frame: 1 Week</p> <p><u>NETS Standard(s): Research and Information Fluency</u></p>	<p>Find, create, and cite information from online sources safely and ethically. Demonstrate safe and ethical use of technology.</p> <ul style="list-style-type: none"> • Recognize different forms of cyberbullying (e.g. denigration, cyberstalking, impersonation, exclusion, harassment, trickery, outing, flaming, trolling, sexting, stalking) • Identify methods online predators use to form and build inappropriate relationships with adolescents • Identify threats to digital life (i.e. phishing, malware, spyware, viruses) • Identify multiple methods for reporting cyberbullying at home/school/online resources, and support resources for victims. • Recognize the difference between private and public information that contributes to a positive digital footprint • Use digital information appropriately/ethically • Utilize privacy controls appropriately within social media accounts
<p>THEME/TOPIC: Digital Editing and Presentations</p> <p>Time Frame: 2-3 Weeks</p> <p><u>NETS Standard(s): Creativity and Innovation</u></p>	<p>Create and utilize multimedia to effectively communicate a message.</p> <ul style="list-style-type: none"> • Use printed and tutorial information to help me create a presentation • Save/organize files in preparation for creating and editing a multi-media project • Use software menus and tools to improve a multi-media project (Web 2.0, Video Editors) • Include several types of media in a creative presentation (photos, audio, text) • Apply basic color and design concepts to create or modify graphics (digital photo editing, PowerPoint design backgrounds, Web 2.0) •
<p>THEME/TOPIC: Coding</p> <p>Time Frame: 2-3 Weeks</p> <p><u>NETS Standard(s): Critical thinking, problem solving, and decision making</u></p>	<p>Construct knowledge and develop innovative products and processes using technology.</p> <ul style="list-style-type: none"> • Use coding language or tiles to manipulate objects. • Analyze code and predict what an object will do • De-bug and problem-solve • Sequence events, and form a conditional statement (if ____ then ____...)