

PACING Guide SY 2015-2016

Timeline & Resources	AZ College and Career Readiness Standard	Essential Question (HESS Matrix)	Learning Goal	Vocabulary (Content/Academic)
	Technology		I will ...	
1 st Quarter	<p>Strand 1: Creativity and Innovation Concept 3: Trends and Possibilities Use technology to forecast trends and possibilities. PO 1. Recognize and create patterns.</p> <p>Strand 2: Communication and Collaboration Concept 1: Effective Communications and Digital Interactions Communicate and collaborate with others employing a variety of digital environments and media. PO 1. Communicate with others as a whole class using digital tools. PO 2. Identify and demonstrate safe and appropriate behavior when using digital environments.</p> <p>Strand 5: Digital Citizenship Concept 1: Safety and Ethics Advocate and practice safe, legal, and responsible use of information and technology. PO 1. Recognize and discuss when it is appropriate to use a personal digital device. PO 2. Define cyber-bullying. PO 3. Identify and articulate rules for the use of digital tools as defined by school board policy and procedures. PO 4. Discuss why it may be dangerous to visit certain Internet sites. PO 5. Recognize, discuss, and demonstrate appropriate behavior for technology use and show respect for technology equipment.</p> <p>Concept 2: Leadership for Digital Citizenship Demonstrate leadership for digital citizenship.</p>	<p>What are the parts of the computer and what do they do?</p> <p>How can I transfer something I've written to the computer?</p>	<p>Use technology to forecast trends and possibilities.</p> <p>Recognize and create patterns.</p> <p>Communicate and collaborate with others employing a variety of digital environments and media.</p> <p>Communicate with others as a whole class using digital tools.</p> <p>Identify and demonstrate safe and appropriate behavior when using digital environments.</p> <p>Advocate and practice safe, legal, and responsible use of information and technology.</p> <p>Recognize and discuss when it is appropriate to use a personal digital device.</p> <p>Define cyber-bullying. Identify and articulate rules for the use of digital tools as defined by school board policy and procedures.</p>	<p>technology forecast trends possibilities recognize create patterns communicate collaborate variety digital environments media identify demonstrate safe appropriate advocate digital device cyber-bullying. dangerous internet sites cultural historical economic political impact individuals society processes</p>

	<p>Concept 3: Impact of Technology Develop an understanding of the cultural, historical, economic and political impact of technology on individuals and society. PO 1. Recognize and discuss how students and families use technology to make their lives better.</p> <p>Strand 6: Technology Operations and Concepts Concept 1: Understanding Recognize, define and use technology term, processes, systems and applications. PO 1. Define basic technology terms. PO 2. Identify and define technology process terminology. PO 3. Identify technology applications for a given activity/project. PO 4. Demonstrate knowledge of ergonomics and electrical safety when using computers.</p> <p>Concept 2: Application Select and use applications effectively and productively. PO 1. Understand keyboarding techniques when using the keyboard to type letters, numbers and special key functions. PO 2. Compose a document that applies basic formatting. PO 3. Use multimedia presentation programs to create simple class assignments. PO 4. Identify and use common navigational elements of a web page. PO 5. Demonstrate appropriate use of log-in procedures.</p>	<p>Discuss why it may be dangerous to visit certain Internet sites.</p> <p>Recognize, discuss, and demonstrate appropriate behavior for technology use and show respect for technology equipment.</p> <p>Demonstrate leadership for digital citizenship.</p> <p>Develop an understanding of the cultural, historical, economic and political impact of technology on individuals and society.</p> <p>Recognize and discuss how students and families use technology to make their lives better.</p> <p>Recognize, define and use technology term, processes, systems and applications.</p> <p>Define basic technology terms. Identify and define technology process terminology.</p> <p>Identify technology applications for a given activity/project.</p> <p>Demonstrate knowledge of ergonomics and electrical safety when using computers.</p> <p>Select and use applications effectively and productively.</p> <p>Understand keyboarding techniques when using the</p>	<p>systems applications ergonomics effectively keyboarding compose document formatting multimedia navigational elements web page log-in</p>
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			<p>keyboard to type letters, numbers and special key functions.</p> <p>Compose a document that applies basic formatting.</p> <p>Use multimedia presentation programs to create simple class assignments.</p> <p>Identify and use common navigational elements of a web page.</p> <p>Demonstrate appropriate use of log-in procedures.</p>	
2 nd Quarter	<p>Strand 1: Creativity and Innovation Concept 2: Models and Simulations Use digital models and simulations to examine real-world connections, explore complex systems and issues, and enhance understanding. PO 1. Identify elements of a digital model or simulation. PO 2. Explore and identify models and simulations. PO 3. Identify a system.</p> <p>Concept 4: Original Works Use technology to create original works in innovative ways. PO 1. Use digital creativity tools to develop ideas and create a project. PO 2. Use digital collaborative tools to develop collective ideas.</p> <p>Strand 2: Communication and Collaboration Concept 2: Digital Solutions Contribute to project teams to produce original works or solve problems. PO 1. Participate in a classroom learning project using digital collaborative resources.</p> <p>Strand 4: Critical Thinking, Problem Solving and Decision Making Concept 2: Exploring Solutions Plan and manage activities to develop solutions to answer a question or complete a project. PO 1. Participate as group to manage a learning project and identify sources.</p>	<p>How can I use the computer to illustrate a story or information?</p> <p>What types of tools do computers have to make my project stand out?</p>	<p>Use digital models and simulations to examine real-world connections, explore complex systems and issues, and enhance understanding.</p> <p>Identify elements of a digital model or simulation.</p> <p>Explore and identify models and simulations.</p> <p>Identify a system.</p> <p>Use technology to create original works in innovative ways.</p> <p>Use digital creativity tools to develop ideas and create a project.</p> <p>Use digital collaborative tools to develop collective ideas.</p> <p>Contribute to project teams to produce original works or solve problems.</p>	<p>digital models simulations examine real-world connections complex systems enhance understanding Identify elements original works innovative creativity tools collaborative Contribute solve problems resources solutions data collected</p>

	PO 2. Propose solutions by discussing data collected to answer a question.		<p>Participate in a classroom learning project using digital collaborative resources.</p> <p>Plan and manage activities to develop solutions to answer a question or complete a project.</p> <p>Participate as group to manage a learning project and identify sources.</p> <p>Propose solutions by discussing data collected to answer a question.</p>	
3 rd Quarter	<p>Strand 2: Communication and Collaboration Concept 3: Create cultural understanding and global awareness by interacting with learners of other cultures. PO 1. Participate as a class in communication at a distance.</p> <p>Strand 4: Critical Thinking, Problem Solving and Decision Making Concept 1: Investigation Identify and define authentic problems and significant questions for investigation. PO 1. Collaborate as a class or small group to select an essential question to research using digital resources.</p>	How can I find information about topics in which I am interested?	<p>Create cultural understanding and global awareness by interacting with learners of other cultures.</p> <p>Participate as a class in communication at a distance.</p> <p>Identify and define authentic problems and significant questions for investigation.</p> <p>Collaborate as a class or small group to select an essential question to research using digital resources.</p>	<p>create cultural understanding global awareness interacting communication distance identify define authentic problems significant questions investigation. Collaborate select essential research digital resources</p>
4 th Quarter	<p>Strand 3: Research and Information Literacy Concept 1: Planning Plan strategies to guide inquiry using technology.</p>	How can the computer help me learn new	Plan strategies to guide inquiry using technology.	plan strategies guide

	<p>PO 1. Generate key words and synonyms for a search. PO 2. Explore information and online sources. Concept 2: Processing Locate, organize, analyze, evaluate, synthesize and ethically use information from a variety of sources and media. PO 1. Conduct a search using multiple keywords. PO 2. Use preselected sources. PO 3. Differentiate between a fact, untruth, and an opinion. PO 4. Sort information into major topics. PO 5. Identify and follow ethical behaviors when using resources.</p> <p>Strand 6: Technology Operations and Concepts Concept 3: Troubleshoot Systems and Processes Define problems and investigate solutions in systems and processes PO 1. Understand that there are different types of problems with technology and identify the type of problem and the steps needed to solve.</p> <p>Concept 4: Transfer of Knowledge Transfer current knowledge to learning of new technologies. PO 1. Transfer understanding of current symbols and icons to learning new technologies.</p>	<p>skills or develop skills I already have?</p>	<p>Generate key words and synonyms for a search. Explore information and online sources. Locate, organize, analyze, evaluate, synthesize and ethically use information from a variety of sources and media. Conduct a search using multiple keywords. Use preselected sources. Differentiate between a fact, untruth, and an opinion. Sort information into major topics. Identify and follow ethical behaviors when using resources. Define problems and investigate solutions in systems and processes Understand that there are different types of problems with technology and identify the type of problem and the steps needed to solve. Transfer current knowledge to learning of new technologies. Transfer understanding of current symbols and icons to learning new technologies.</p>	<p>inquiry technology generate key words synonyms search explore information online sources locate organize analyze evaluate synthesize ethically variety sources media conduct preselected sources differentiate fact untruth opinion sort major topics ethical behaviors resources solutions processes steps solve transfer current knowledge new technologies understanding symbols icons</p>
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