Ganado Unified School District
Grade: Kindergarten – 2nd Grade   COMPUTER/TECHNOLOGY

PACING Guide SY 2018-2019

Timeline & Resources	AZ College and Career Readiness Standard	Essential Question (HESS Matrix)	Learning Goal	Vocabulary (Content / Academic)
First Quarter				
Mouse Skills Websites: • Starfall • ABCya! • DanceMat Typing	Strand 1: Creativity and Innovation Concept 3: Trends and Possibilities Use technology to forecast trends and possibilities. PO 1. Recognize and create patterns. 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. 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 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.	What are the parts of the computer and how do they work? How can I use the mouse to access and start programs and make things happen while working on the computer? How can I transfer something I've written to the computer? What are some of the problems we encounter with technology? How does technology affect our daily lives? What technology is helpful in our daily lives?	Use technology to forecast trends and possibilities. Recognize and create patterns. Communicate and collaborate with other employing a variety of digital environments and media. Communicate with others as a whole class using digital tools. Identify and demonstrate safe and appropriate behavior when using digital environments. Advocate and practice safe, legal, and responsible use of information and technology. Recognize and discuss when it is appropriate to use a personal digital device.	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

PO 5. Recognize, discuss, and demonstrate appropriate behavior for technology use and show respect for technology equipment.
Concept 2: Leadership for Digital Citizenship
Demonstrate leadership for digital citizenship.
Concept 3: Impact of Technology
Develop and 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.

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.
PO 5. Create edit multimedia presentation using painting/drawing.
PO 6. Identify components and modules on a web page.
PO 7. Demonstrate appropriate use of log-in procedures and network printing.
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 4. Identify and use common navigational

Identify and articulate rules for the use of digital tools as defined by school board policy and procedures.

Discuss why it may be dangerous to visit certain Internet sites.

Recognize, discuss, and demonstrate appropriate behavior for technology use and show respect for technology equipment.

Demonstrate leadership for digital citizenship.

Develop and understanding of the cultural, historical, economic and political impact of technology on individuals and society.

Recognize and discuss how students and families use technology to make their lives better.

Recognize, define and use technology terms, processes, systems and applications.

Define basic technology terms.

Identify and define technology process terminology.

Identify technology applications for a given activity/project.

political
impact
individuals
society
processes
systems
applications
ergonomics
effectively
productivity
keyboarding
navigational
elements
web page
log-in
solutions
steps
transfer
current
knowledge
new technologies
understanding
symbols
icons

elements of a web page.
PO 5. Demonstrate appropriate use of log-in procedures.
Concept 3: Troubleshoot Systems and Processes
Define problems and investigates 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.
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.

THINKING

COMMUNICATION

RESPECT & REVERENCE

CAREER

SELF & SOCIAL AWARENESS

Demonstrate knowledge of ergonomics and electrical safety when using computers.

Select and use applications effectively and productively.

Understand keyboarding techniques when using the keyboard to type letters, numbers and special key functions.

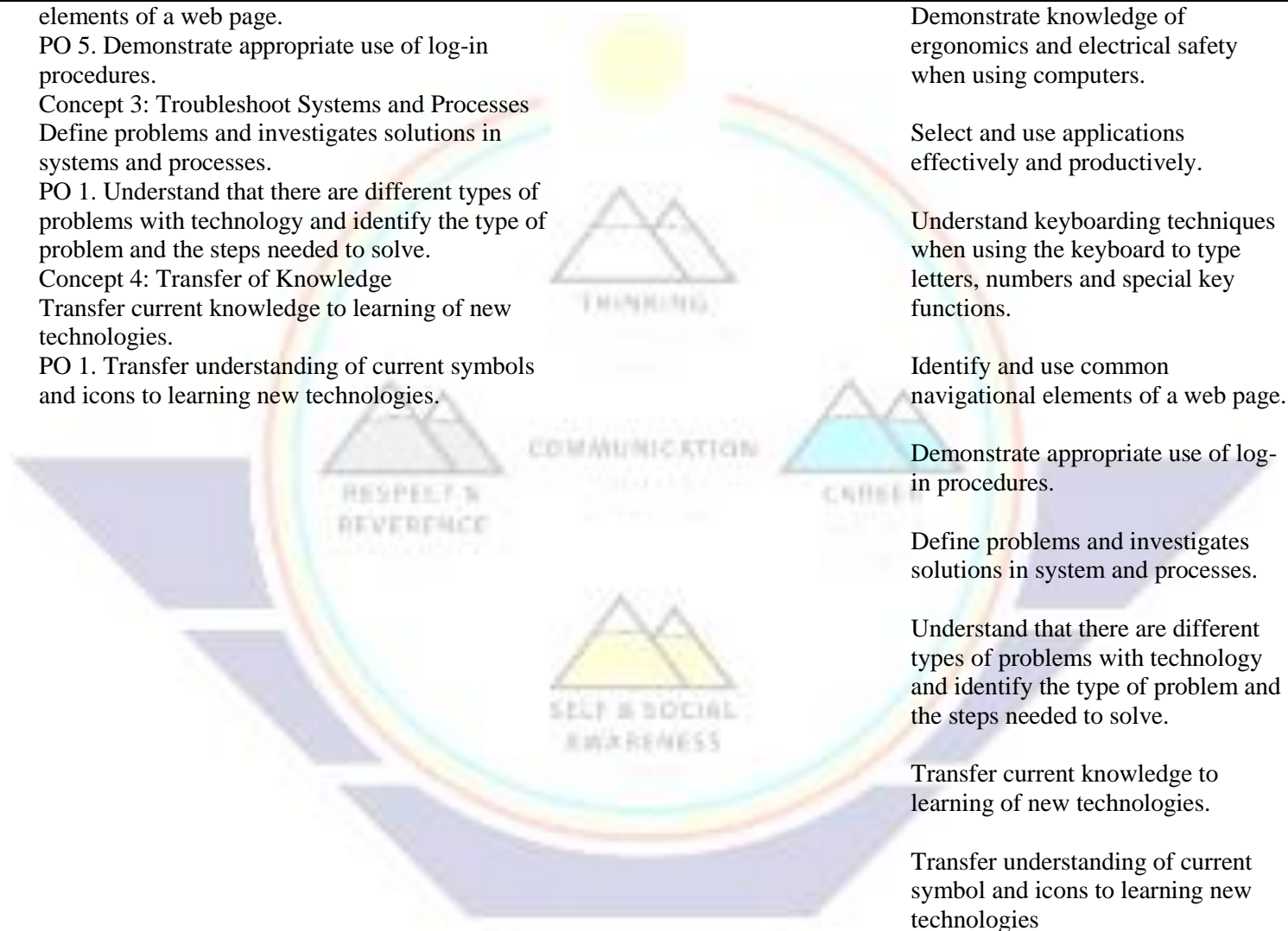Identify and use common navigational elements of a web page.

Demonstrate appropriate use of log-in procedures.

Define problems and investigates solutions in system 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 symbol and icons to learning new technologies

Second Quarter				
Introduce: Microsoft Office: • Word	Strand 1: Creativity and Innovation Concept 2: Models and Simulations Use digital models and simulations to examine real-world connections, explore complex systems and	How can I use the computer to illustrate a story or information?	Use digital models and simulations to examine real-world connections, explore complex systems and issues, and enhance understanding.	digital models simulations examine real-world

• Excel • Powerpoint • Publisher	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. 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. 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. 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. PO 2. Propose solutions by discussing data collected to answer a question. PO 4. Sort information into major topics and create a list of ideas. PO 5. Identify and follow legal and ethical behaviors during research and cite resources appropriately. Strand 6: Technology Operations and Concepts Concept 2: Application Select and use applications effectively and productively.	What types of tools do computers have to make my project stand out? How does experimenting with different tools help me learn how the computer works? What are the advantages of using certain technologies? How do you use technology to communicate information and/or ideas? How do we select resources? How do we make new meaning out of information?	Identify elements of a digital model or simulation. Explore and identify models and simulations. Identify a system. Use technology to create original works in innovative ways. Use digital creativity tools to develop ideas and create a project. Use digital collaborative tools to develop collective ideas. Contribute to project teams to produce original works or solve problems. Participate in a classroom learning project using digital collaborate resources. Plan and manage activities to develop solutions to answer a question or complete a project. Sort information into major topics and create a list of ideas. Participate as group to manage a learning project and identify resources.	connections complex systems enhance understanding identify elements original works innovative creativity tools collaborative contribute solve problems resources solutions data collected sort information major topics legal ethical research cite resources compose document formatting multimedia

	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.		Propose solutions by discussing data collected to answer a question. Identify and follow legal and ethical behaviors during research and cite resources appropriately. Compose a document that applies basic formatting. Use multimedia presentation programs to create simple class assignments.	

Third Quarter

	How can I find information about topics in which I am interested? How owns ideas and information? How can we share ideas and information fairly? How are ownership rights protected? How can I use the computer to communicate with words and pictures?	Create cultural understanding and global awareness by interacting with learners of other cultures. Explore other cultures through digital resources. Participate as a class in communication at a distance. Identify and define authentic problems and significant questions for investigation. Collaborate as a class or small group to select an essential question to research using digital resources Define cyber-bullying.	Create Understanding Global Awareness Interacting Communication Distance Identify Define Authentic Problems Significant Questions Investigation Select Essential Research Digital Resources
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. 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. Strand 5: Digital Citizenship Concept 1: Safety and Ethics Advocate and practice safe, legal, and responsible use of information and technology. PO 2. Define cyber-bullying			

		Identify cyber-bullying and discuss the effects of bullying on an individual.	

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<tr><td colspan="4" align="center">Fourth Quarter</td></tr>
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Internet Web Browsers:

- Internet Explorer
- Mozilla Firefox

Internet Search Engines:
- Yahoo!
- Google
- Bing
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<u>Strand 3</u>: Research and Information Literacy
Concept 1: Planning
Plan strategies to guide inquiry using technology.
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.
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How can the computer help me learn new skills of develop skills I already know?

What can I do with programs to explore and show what I know?

How do we find information to answer our questions?

How are problem-solving and research alike?

How is a research question better than a research topic?

What are the steps in successful information problem-solving process?

How do we know we do a good job?

How can we improve our work?

How do we recognize good information?
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Plan strategies to guide inquiry using technology.

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.

Use primary and secondary resources.

Differentiate between a fact, untruth, and an opinion.

Sort information into major topics.

Identify and follow ethical behaviors when using resources.
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Plan
Strategies
Guide
Inquiry
Generate
Keywords
Synonyms
Search
Explore
Information
Online source
Locate
Organize
Analyze
Evaluate
Synthesize
Ethically
Variety
Sources
Media
Conduct
Preselected sources
differentiate
fact
untruth
opinion
resources
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