**Instructional Technology Integration Planning**

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|  | Grade Level: 2nd Grade |
| Teacher wanted to use the Mac Cart throughout the week and incorporate the computers in each subject area. |  |  |
| Content Objective: Students will integrate Technology into their curriculum using the Macs. Students will go to sites that are set up on my portal([www.portaportal.com](http://www.portaportal.com)) (user: bnes Password: eagles) to practice reading, addition and subtraction, spelling, and research famous Americans. Students will also type in pages.  |
| C/T –Objective:Grades K-2 Basic Operations and ConceptsC/T K-2.1The student will demonstrate knowledge of the nature and operation of technology systems.Identify the computer as a machine that helps people at school, work, and play. Use technology to demonstrate the ability to perform a variety of tasks; among them turning on and off a computer, starting and closing programs, saving work, creating folders, using pull-down menus, closing windows, dragging objects, and responding to commands. C/T K-2.2        The student will demonstrate proficiency in the use of technology.Demonstrate the use of mouse, keyboard, printer, multimedia devices, and earphones.Use multimedia resources such as interactive books and software with graphical interfaces. Social and Ethical IssuesC/T K-2.3        The student will practice responsible use of technology systems, information, and software.Know the school’s rules for using computers.Understand the importance of protecting personal information or passwords.Understand the basic principles of the ownership of ideas. C/T K-2.4        The student will use technology responsibly*.*Demonstrate respect for the rights of others while using computers.Understand the responsible use of equipment and resources. Technology Research ToolsC/T K-2.5The student will use technology to locate, evaluate, and collect information from a variety of sources.Identify information in various formats.Identify available sources of information.  Computer/Technology Standards of Learning    Technology Communication ToolsC/T K-2.7        The student will use a variety of media and formats to communicate information and ideas effectively to multiple audiences.Identify the best tool to communicate information.Use technology tools for individual writing, communication, and publishing activities.Demonstrate the ability to create, save, retrieve, and print document.     21st Century skills: **NETS \*S with 21st Century Skills Focus**

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| **1.** | **Creativity and Innovation** |
|   | Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. Students: |
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| a. | apply existing knowledge to generate new ideas, products, or processes. |
| b. | create original works as a means of personal or group expression. |
| c. | use models and simulations to explore complex systems and issues. |
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| **2.** | **Communication and Collaboration** |
|   | Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others. Students: |
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| a. | interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media. |
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| **4.** | **Critical Thinking, Problem Solving, and Decision Making** |
|   | Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. Students: |
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| a. | identify and define authentic problems and significant questions for investigation. |
| b. | plan and manage activities to develop a solution or complete a project. |
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| **5.** | **Digital Citizenship** |
|   | Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. Students: |
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| a. | advocate and practice safe, legal, and responsible use of information and technology. |
| b. | exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity. |
| c. | demonstrate personal responsibility for lifelong learning. |
| d. | exhibit leadership for digital citizenship. |

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NETS T **1. Facilitate and Inspire Student Learning and Creativity**Teachers use their knowledge of subject matter, teaching and learning, and technology to facilitate experiences that advance studentlearning, creativity, and innovation in both face-to-face and virtual environments.**b.** engage students in exploring real-world issues and solving authentic problems using digital tools and resources**2. Design and Develop Digital-Age Learning Experiences and Assessments**Teachers design, develop, and evaluate authentic learning experiences and assessments incorporating contemporary tools and resources tomaximize content learning in context and to develop the knowledge, skills, and attitudes identified in the NETS•S. Teachers:1. design or adapt relevant learning experiences that incorporate digital tools and resources to promote student learning and creativity

**3. Model Digital-Age Work and Learning**Teachers exhibit knowledge, skills, and work processes representative of an innovative professional in a global and digital society**d.** model and facilitate effective use of current and emerging digital tools to locate, analyze, evaluate, and use informationresources to support research and learning |
|  | ITRT Responsibilities | Classroom Teacher Responsibilities |
| Before Lesson: | Set up Mac Cart and printer | Talk about student responsibilities with Macs |
| During Lesson: | Monitor Students and assist as needed | Carry on classroom activities as usual |
| After Lesson: |  | Collect any printed work |
| Assessment: |
| Lesson Location: ❒ Computer Lab ❒X Classroom ❒ Other: |
| Resources Needed: Mac Cart |
| Notes:  |