**Abegail Prado and Rachel Dellman**

**Instructional Matrix Assignment**

**TOPIC: Trees**

**Grade Level: 3rd Grade**

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| **Subject** | **Content Objective**  **[SLO?]** | **ResourceList** | **Informa-tion Literacy**  **Standard** | **Tech.**  **Literacy Standard** | **Product/**  **Assess-ment** |
| Science | To identify a tree according to leaf structure | * <https://www.arborday.org/trees/whattree/> * Book: Plant by Fleur Star (DK Publication) Interest level: K-3 * Trifold, leaves, paste | MSDE State Curriculum Standard – Science  1.A.1.a Support investigative findings with data found in books and articles and databases and identify the sources used an expect others to do the same. | ISTE Students Standards 1 Creativity and Innovation  C. Use models and simulations to explore complex systems and issues. | attach the leaf on a trifold and provide a detailed description of the type of leaf |
| Geography | To identify trees found in different areas based upon climate | * Trees by June Loves (Follett)   Interest Level: K-3   * Kids.nceas.ucsb.edu/biomes * Microsoft Excel | Standard 3.A.1 Use geographic tools to locate and construct meaning about places on earth. | ISTE Students Standards 3. Research and Information Fluency  B. Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media. | Create a chart using Microsoft Excel |
| Math | To measure the stem of a growing plant and create a line plot. | * Seed, water, soil, sunlight, plastic cup, ruler, paper, markers/pencils * video camera, Movie Maker * Book: Plants Grow from Seeds by Rachel Mann (Mackin) Interest Level: K-3 | 3MD.4 Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot where the horizontal scales is marked off in appropriate units- whole numbers, halves or quarters. | ISTE Students Standards 2. Communication and Collaboration  B. Communicate information and ideas effectively to multiple audiences using a variety of media and format. | Create a video showcasing the growth of the plant. |
| Art | To create an abstract leaf portrait of the four seasons using MS Paint | * Leaves, MS Paint, sample photographs of the four seasons * Book: Watching the Seasons by Edana Eckart (Children’s Press) Interest Level K-3 | Standard 3.1 Create images and forms from observations, memory, imagination and feelings   1. Experiment with art media, processes, and techniques to generate ideas and express personal meaning | ISTE Students Standards 2. Communication and Collaboration   1. Interact, collaborate and publish with peers, experts, or others employing a variety of digital environment and media. | Create a picture of leaves in each season using MS Paint. |
| Music | To create music using leaves. | * Leaves, audio recording device | Standard 1.2 Experience performance through singing, playing instruments in general, vocal, and instrumental settings, and listening to performances of others. | ISTE Student Standards 3. Research and Information Fluency   1. Plan strategies to guide inquiry | Record a nursery rhyme tune using a leaf. |