Lesson Objectives

- Students will demonstrate appropriate use of Audacity software, laptop, and USB microphone.
- Students will identify and use basic audio recording terminology.
- Students will identify, compose, and import appropriate music and sound effects.
- Students will write, record, export, and publish an original podcast, following the provided scoring guidelines.

Standards Addressed

Pennsylvania Arts and Humanities Standards

- 9.1.8 A – Know and use the elements and principles of each art form to create works in the arts and humanities
- 9.1.8 B – Recognize, know, use, and demonstrate a variety of appropriate arts elements and principles to produce, review, and revise original works
- 9.1.8 C – Identify and use comprehensive vocabulary within each art form
- 9.1.8 G – Explain the function and benefits of practice related to the arts
- 9.1.8 H – Demonstrate and maintain appropriate materials, equipment, and tools
- 9.1.8 J – Incorporate specific uses of traditional and contemporary technologies within the design for producing, performing, and exhibiting works in the arts
- 9.1.8 K – Incorporate specific uses of traditional and contemporary technologies in furthering knowledge and understanding in the humanities

Pennsylvania Science and Technology Standards

- 3.2.7 D – Identify and apply the technological design process to solve problems.
- 3.6.7 B – Analyze knowledge of information technologies of processes encoding, transmitting, receiving, storing, retrieving, and decoding.
- 3.7.7 C – Apply basic computer operations and concepts.
- 3.7.7 D – Utilize computer software to solve specific problems.
- 3.7.7 E – Apply basic computer communications systems.

Activities / Procedures

NOTE: This lesson is designed to take place over 4 class periods. Through individual assignments are not due for each day and students are free to work at the pace they feel comfortable in each section, monitor student progress each day to verify they are at least on track to complete things on time. If you wish to place daily assignments for this project to ensure students are on task, it is easily amendable in that manner.

- Students will get their assigned laptop from the wireless lab AND will get a recording crate (contains headphones and microphone). Students will start up computers, log on, and wait on the “desktop”.

Unit of Instruction: Recording with Audacity

Lesson Topic/Title: Creating an Original Podcast

Lesson Number in Sequence: 6

Course/Grade: Multimedia Arts / Grades 7-8

Length of Lesson: Four 42 Minute Class Periods
• As a class, go through the scoring guide for the podcast project and answer questions as necessary about requirements and/or scoring.
• When finished, students will begin working on podcast project. Doing this, they should follow these steps:
  o Select working group
  o Select podcast topic
  o Research information about podcast, and complete Podcast Research Outline in Microsoft Word
  o Compile information and write script using Podcast Storyboard in Microsoft Word
  o Find background music and sound effects to include in podcast
  o Record audio, import music, apply effects, and edit as necessary
  o Export finished .mp3 recording
• Students will upload their finished recording and paperwork through the upload links on the class Moodle page.
• Teacher should circulate the class to make sure students are staying on task and within a reasonable timeframe.

Materials
• Custom-built laptop computers
• Various visual materials to assist with learning unit content and designing project material (introduced in previous lessons)
• Various YouTube videos for tutorial and/or reference
• Various web sites for reference and exploration
• Visuals used throughout unit linked on web site
• Audacity recording software
• USB Microphone and headphones

Assessment/Evaluation
• Completed podcast recording
• Completed research outline
• Completed podcast script
• Informal observation of work during class time in exploring web sites
• Oral assessment - Question and Answer / Class Discussion