

iPod Electronic Lab Report Lesson Plan

Content Area: Science

Grade Levels: 4-12

Features and Materials: GarageBand, iMovie, cell phone camera or digital camera, and Photobucket.com

ISTE Standards: Creativity and Innovation (1a,1b), Technology Operations and Concepts (6a, 6b)

21st Century Skills: Communication, collaboration, creativity, and innovation

Activity Overview

In this activity, students will be given an opportunity to listen to audio directions to complete a science lab activity. The students will then create an electronic lab report that summarizes their experiment.

Procedure

1. Place students into cooperative learning groups with an iPod. Ask them to listen to the directions for the lab activity as they go through the steps to complete the lab.
2. Ask students to use their cell phones to take photographs of the different stages of the experiment. Ask students to upload the photographs to Photobucket and then download the photos to a school computer.
3. After students have completed the experiment, ask them to use an iPod with a voice recorder to summarize their findings (the conclusions) of the experiment.
4. Ask students to upload their pictures and the MP3 audio file to their computer and create a short iMovie that summarizes their experiment.
5. Upload student movies to a class website, YouTube, or SchoolTube channel for sharing with other students.

Extension

1. Do the same activity with any content area, and include video.
2. Ask students to create a science safety podcast or iMovie for sharing with other students.