

Lesson Plan for Multimedia/Graphics

- Topic:** Multimedia
- Teachers:** Virginia Bruno (Berlin High School), Marlise Bryant (Mascenic Regional High School), John Dotski (Lisbon Regional High School), Paul Landry (Exeter High School), Judy Ann Lavery (Alvirne High School)
- Subject:** IT & ME WORKS
- Grade:** 9th
- Time:** 3 hours
- Objectives:** At the end of this lesson students will be able to:
Effectively use BMP, TIFF , GIF, and JPG graphics to prepare a presentation.
- Setting:** Computer lab with access to a digital camera, scanner and video camera.
- Standards:** Graphics and Image Processing to Multimedia Publishing - Creates original audio, video and animation elements.
- The student will use information-gathering techniques and technologies in collecting analyzing, organizing, and presenting information
 - The student will work effectively with others, including people from diverse backgrounds, and contribute to group efforts by sharing ideas, suggestions, and workloads.
 - The student will demonstrate individual qualities such as responsibility, self-management, integrity, respect for self and others, flexibility, confidence and a willingness to explore.
 - The student will use a variety of methods, appropriate to the purpose and audience, to communicate effectively.

Materials: Photographs, disks, magazines.

Note: This lesson assumes that students have prior knowledge in the operations of a video camera, scanner and digital camera.

Teacher's Role: Help students prepare a presentation using the four most popular graphic formats; BMP, TIFF, GIF and JPG.

Assignment:

In this lesson the students should pick an appropriate topic of their choice and using some type of multimedia software, do the following:

Students should first research the four graphic image formats (BMP, TIFF, GIF, and JPG). This can be done by looking on the Internet for definitions and samples of each. After the students know the difference between each one, they should put an example of each in their presentation. They must use the digital camera, scanner, and video camera to complete the lesson. They must show evidence of their knowledge in each of the four format areas.

Students should save an example of each of the four and explain the differences and when they would use them. Example: if you were sending a picture through e-mail and you wanted it to get downloaded quickly which type would you use.

After they have acquired samples of each one and feel comfortable with the information they have gathered, they should complete a one minute presentation demonstrating their knowledge of multimedia.

School to Career Connection: This will allow students to prepare multimedia presentations using a variety of resources to prepare the presentation.

Employability: Research, knowledge of various types of equipment.

Rubric for graphic project

Student has defined each of the following:

_____ BMP

_____ TIFF

_____ GIF

_____ JPG

Student has an example of the following:

_____ BMP

_____ TIFF

_____ GIF

_____ JPG

_____ One minute presentation using some form of multimedia software

_____ Student is able to explain the difference between the four types and when you would use them.

