

Multimedia Technology
North Boone Middle School
2014-2015 School Year

Background:

During the 2013-2014 school year, I taught a unit on digital storytelling using Windows Movie Maker and Animoto. In this unit, each student created a series of three films. The videos created included adaptations of a fable and a children's book and a photo montage video. At the end of the unit, we held a film festival in which each student entered their best film. At the end of the festival, students voted on the best film in a series of three categories. This unit proved to be one of the most popular that I taught all year.

Based on the success of this unit, it became clear that there was a desire/need for a course in multimedia storytelling. As a result, I have developed this outline for a new course entitled Multimedia technology which will focus on audio and video storytelling.

Purpose:

This one semester course will enable students to learn and apply basic audio and video editing techniques. The projects completed will include the use of Audacity audio editing software, Adobe Premiere video editing software, and video cameras.

Units of Study:

Unit 1: Audio Recording & Editing: In Unit 1, students will study the basics of recording and editing audio files using Audacity. The goal of unit 1 will be to create a thirty second radio commercial for a new product.

Unit 2: Basic Handheld Video Camera Techniques: In Unit 2, students will study the different types of shots used in video production including: close-ups, cutaways, dolly shots, follow shots, high angle shots, low angle shots, and point of view shots. Students will also learn to plan a video shoot through the use of storyboarding. Students will learn these techniques by working within a group to produce a 60 second horror movie chase scene utilizing all 7 shots learned within the unit.

Unit 3: The Editing Process: In Unit 3, students will learn to add titles, sound effects, music, fade audio/video (cross fade, dissolve, and transition), and narration. Time will also be spent learning to cut scenes and to add narration. Students will learn these techniques by taking the raw footage they shot in their Unit 1 film into Adobe Premiere and editing it into a 30 second movie trailer.

Unit 4: Directing: In Unit 4, each student will have the chance to learn the job duties of a video director through first-hand experience. Each student will plan, direct, and edit a 30-second public service announcement instructing people to silence/turn-off their cell phones at school or at a movie theater.

Unit 5: Stop Motion Animation: In Unit 5, students will study stop-motion animation techniques. Some of the topics to be covered will include lighting, camera angles and movement, title sequences, and ending credits, timing and pacing. Students will learn these concepts as they go

through the process of planning, filming, and editing a humorous 30 second stop motion film short.

Unit 6: Documentary Video Making: In Unit 6, students will study techniques of documentary filmmaking. Topics to be covered include filming conversations, focus techniques, and shot composition. Additional topics covered will include timing, pacing, and sound editing. Students will learn these techniques as they produce a short micro-documentary on a topic of their choice.

Software Needed:

Windows Movie Maker

Adobe Premiere Elements 12: (\$93.76 for 1 license) (\$3,000.32 to license all 32 computers in lab 6) Prices from CDW-G (CDW Part: 3140213)

Hardware Needed:

Sony Handycam HDR-CX240 camcorder with Flash Card (\$229.99 x 10 = \$2,299.90) Prices from CDW-G (CDW Part: 3235649)

Professional 57” Tripod + Deluxe LED Video Light + Mini Condenser DSLR Camcorder Microphone + Camera Camcorder Action Stabilizing Handle Everything you need video kit for the Sony Handycam HDR-CX240 (\$99.99 x 5 = \$499.95) Prices from Amazon (ASIN: B00HWFAB96)

Cyber Acoustics CVL 1064rb Microphone (\$9.97 x 32 = \$319.04) Prices from CDW-G (CDW Part: 3034153)

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Camcorder Bags: (\$19.99 x 10 = \$199.90) Prices from ACP Direct

Budget	
Product	Cost
Windows Movie Maker	0
Adobe Premiere Elements 12	\$3,000.32
Sony Handycam HDR-CX240 Camcorders	\$2,299.90
Sony Handycam Accessories Kits	\$499.95
Cyber Acoustics CVL 1064rb Microphones	\$319.04
Camcorder Bags	\$199.90
Total	\$6,319.11