

**MEDIA TECHNOLOGY 2**

**JUNE 2005**

**COURSE NUMBER 782**

**TEACHER: MR. JOSEPH PORTELLO**

**SUPERVISOR: MR. MARK WALLACE**

**PRINCIPAL: MR. JAMES PLATUKAS**

**DIRECTOR OF CURRICULUM AND INSTRUCTION MS. JANICE MEZIER**

**SUPERINTENDENT: DR. JOHN HANNUM**

**Name of Course:** Media Technology 2  
**Level of Course:** Academic  
**Prerequisites:** Media 1  
**Grade Level Offered In:** 9 through 12  
**Course Number:** 782  
**Number of Credits:** 5  
**Length:** Thirty Six Week Curriculum 180 Days  
**Recommended Class Size Maximum** 18 (Equipment Restrictions)  
**Teacher Recommendation:** Teacher of Television Production, Technology  
Education Teacher  
**Revised Date and Teachers Name:** Mr. Joseph Portello June 2005

**Purpose:**

Media Technology 2 is meant to continue the basic instruction of the first level course, (Media 1), to a more advanced and complex degree. It is primarily a production-oriented course where students implement with increasing ease and sophistication the basic techniques of video production.

Media Technology 2 students will produce our Bi-Weekly cable television “The Wildcat Report”. This is a news and magazine format show that is broadcast to the community on channel 20 from Sussex County Community College. The students will handle all aspects of the production both technically and artistically. In addition to “The Wildcat Report” the students will produce in house projects ranging from sports highlights films to our school plays.

In addition to technical skills the course will give students the opportunity to develop other skills such as researching a topic, keyboarding, writing, editing, teamwork and public speaking.

High Point Regional High School’s curriculum and instruction are aligned to the State’s Core Curriculum Content Standards and address the elimination of discrimination by narrowing the achievement gap, by providing equity in educational programs and by providing opportunities for

students to interact positively with others regardless of race, creed, color, national origin, ancestry, age, marital status, affection or sexual orientation, gender, religion, disability or socioeconomic status.

### **Method of Instruction**

This Media Technology 2 course will provide students with an advanced knowledge in the use of equipment and processes utilized in the television industry. Through the use of lectures, demonstrations, guided practice and group and individual projects students will learn the terminology and steps used in the creation of television shows.

In each unit the instructor will introduce and demonstrate the rolls, procedures and operations covered in that unit. The instructor will then guide the students through simulated practical hands on experience. The students will then be given a project that they will produce using the skills covered in that unit.

This course is intended to be both an academic and hands on class. Whenever possible projects will be “Real Life’ practical experiences. This class will provide materials for our cable show “The Wildcat Report”.

The Baldrige Process will be the means of addressing the personal relevance to the student enrolled in this course. This course concentrates on giving the students the opportunity personally and professionally to develop leadership skills. Teamwork is also emphasized. All students are given the opportunity to be the team leader.

### **General Objectives;**

At the conclusion of this course students will be able to

1. Outline the safety procedures for this class.
2. Stress the proper care of the equipment used in the class.
3. Practice the production process, elements and types of productions.
4. Increase their understanding of the relationships of the production crew.
5. Operate hand held, digital and studio cameras.
6. Learn about light and it's use in television.
7. The use of different kinds of audio equipment.
8. Identify, differentiate and utilize the various formats and sizes of VTR's.
9. Recognize the importance of television as a visual art form.
10. Know the advantages and disadvantages of using a Television studio.
11. Write scripts for Television shows.
12. To enhance their productions using special effects.
13. Edit their productions.
14. Be aware of the proper maintenance of audio and video equipment.
15. Have an understanding of the I-mac computer
16. Know computer editing
17. Work with digital video cameras
18. Create and burn original music composed by the students

Lecture/Discussion	Objectives 1, 2,3,5,6,7,8
Class Projects	Objectives 3, 4,7,11,12,13
Problem Based Learning	Objectives 2,4,7,8,9
Computer Based Learning	Objectives 11,12,13
Field Trips	Objectives 3,10

**Measurement of success** in meeting these general objectives will be carried out through the following methods of assessment:

Crew Work	Objectives 2,4,9,14
Quizzes/Tests/Final Exam	Objectives 1,3,5,6,7,8
Projects	Objectives 11,12,13

## **Standards Targeted Throughout the Curriculum**

### **New Jersey Core Content Standards and Cumulative Progress Indicators.**

- Demonstrate skills needed to effectively access and use technology-based materials through keyboarding, troubleshooting, retrieving and managing information. (NJCCS 2.0, #3)
- Use technology and other tools to solve problems, collect data and make decisions. (NJCCS 2.0, #7)
- Identify and evaluate the validity of alternative solutions. (NJCCS 3.0, #11)
- Apply problem solving skills to original and creative/design projects. (NJCCS 3.0, #15)
- Use time efficiently and effectively. (NJCCS 4.0, #10)

### **New Jersey Core Curriculum Content Standards**

#### **Cross-Content Workplace Readiness Standards**

- Standard 1: All students will develop career planning and workplace readiness skills
- Standard 2: All students will use technology, information and other tools.
- Standard 3: All students will use critical thinking, decision-making and problem-solving skills.
- Standard 4: All students will demonstrate self-management skills.
- Standard 5: All students will apply safety principles.

### **New Jersey Core Curriculum Content Standards**

#### **Visual and Performing Arts**

- Standard 1.2: All students will refine perceptual, intellectual, physical and technical skills through creative dance, music, theater, and /or visual arts.
- Standard 1.3: All students will use arts elements and arts media to produce artistic products and performances.
- Standard 1.4: All students will demonstrate knowledge of the process of critique.

### **New Jersey Technology Standards (TEAN)**

- Apply values and make rational decisions about technological issues. (NJTES 1.19)
- Create multimedia presentations to inform others about design concepts, products and events. (NJTES 4.17)
- Access and search the Internet for relevant information while conducting research. (NJTES 6.16)
- Generate original ideas based on previous knowledge and research. (NJTES 7.41)

**Standards of Technological Literacy from the (TFAA)  
Technology for All Americans Project and the International  
Technology Education Association. (ITEA)**

- In order to comprehend the scope of technology, students should learn that technology is closely linked to creativity, which has resulted in innovation. (TFAA#1, H)
- In order to recognize the core concepts of technology, students should learn that systems thinking involves considering how every part relates to others. (TFAA #2, N)

Proficiencies-Measurable Objectives and Estimated Timelines:

**Unit 1: Course Introduction and Safety Guidelines**

Goal:

Time: 3 days/Ongoing

To introduce the students to the course expectations, discipline policy, and safety guidelines

Objectives:

Students will be able to:

- Understand the course expectations and timeline for instruction
- Understand the discipline policy that relates to behavior in the class.
- Outline the safety procedures for the class.
- Stress the proper care of the equipment used in the class.

Assignments:

- Homework: Watch TV shows and fill in worksheet.

Lab activities:

- None

Audio-Visual needs:

- Room 432 (TV Studio)

Computer needs:

- None

Assessment method:

- Authentic: Teacher Observation
- Traditional: Safety Quiz

Standards targeted via this unit:

- NJCCS 4.0, #10
- NJCCWRS 5.0

## **Unit 2: Studio Operations**

Goal:

Time: 1 week/ Ongoing

Students will review jobs, procedures and equipment to become proficient in the operation of a television studio.

Objectives:

Students will be able to:

- Operate all equipment necessary to produce a TV show.
- Learn the value of teamwork.
- Write, edit, produce and broadcast a program.

Assignments:

- Eight shot video project
- Creation of storyboards

Lab activities:

- None

Audio-Visual needs:

- Room 432 (TV Studio)

Computer needs:

- None

Assessment method:

- Authentic: Teacher Observation
- Traditional: Student Demonstrations  
Student Projects

Standards targeted via this unit:

- NJCCS 2.0, #2, 2.0, #7, 3.0, #15
- NJCCWRS 1.0, 2.0, 3.0, 4.0, 5.0
- NJCCSVPA 1.2, 1.3

## **Unit 3: Introduction to the I-Mac computer and video editing.**

Goal:

Time 2 weeks/Ongoing

Students will learn the basics of computer editing.

Objectives:

Students will be able to:

- Use the storyboard to import video
- Use transitions to enhance their video.
- Add music and sound effects to their video.
- Add titles and graphics to their story.
- Export video to tape, DVD or the net.

Assignments:

- Video projects using the I-mac computers

Lab activities:

- None

Audio-Visual needs:

- Room 432 (TV Studio)

Computer needs:

- I-mac computers Room 432

Assessment method:

- Authentic: Teacher Observation
- Traditional: Student Demonstrations  
Student Projects

Standards targeted via this unit:

- NJCCS 2.0, #7, 3.0, #15, 4.0, #10
- NJCCWRS 2.0, 3.0, 4.0, 5.0
- NJCCSVPA 1.2, 1.3

#### **Unit 4: Introduction To The Digital Camera**

Goal:

Time: 2 Days/Ongoing

Students will learn the operation of the digital video camera.

Objective:

Students will be able to:

- Identify digital cameras.
- Use digital cameras in their projects.
- Export digital tape to computers.
- Learn proper maintenance of the digital cameras

Assignments:

- Eight shot video project
- Music Video Project

Lab activities:

- None

Audio-Visual needs:

- Room 432 (TV Studio)

Computer needs:

- None

Assessment method:

- Authentic: Teacher Observation
- Traditional: Student Demonstrations  
Student Projects

Standards targeted via this unit:

- NJCCS 2.0, #2, 2.0, #7, 3.0, #15, 4.0, ##15
- NJCCWRS 1.0, 2.0, 3.0, 4.0, 5.0
- NJCCSVPA 1.2, 1.3, 1.4
- NJTES4.17
- TAFF #1H, #2N

## **Unit 5 Cable Television News Show *The Wildcat Report***

Goal: Students will produce a Bi-Weekly News and Information show. Time: One Week/Ongoing

### Objectives:

Students will learn:

- The management of time in producing a bi-weekly news shows.
- The value of teamwork.
- The role of each member of the team.
- The use of the Internet to gather information.
- Interview and information gathering skills.

### Assignments:

- Each student will be assigned a job on each news show.

### Lab activities:

- None

### Audio-Visual needs:

- Room 432 (TV Studio)

### Computer needs:

- I-mac and computers in room 438 will be used

### Assessment method:

- Authentic: Teacher Observation
- Traditional: Finished news show.

### Standards targeted via this unit:

- NJCCS 2.0, #3, 2.0, #7, 3.0, #11, 3.0, ##15 4.0, ##10
- NJCCWRS 1.0, 2.0, 3.0, 4.0, 5.0
- NJCCSVPA 1.2, 1.3, 1.4
- NJTES4.17, 6.16, 7.41
- TAFF #1H, #2N

*Note: Approximately 40% of all Media 2 time will be devoted to the production of our news and information show "The Wildcat Report".*

## **Unit 6: Video Maintenance:**

Goal: Students will be aware of proper maintenance of video and audio equipment. Time: 2 Days/Ongoing

- Students will be aware of proper maintenance of video and audio equipment.

### Objective:

- Students will be able to
- Properly Store Equipment
- Battery Care
- Protection of Video Tape
- Cleanness of Studio

### Assignments:

- Class work: Lecture on Maintenance

Lab Activities:

- Ongoing Maintenance and /care of Equipment

Audio/Visual Needs:

- Room 432 TV Studio)

Assessment Method;

- Authentic; Teacher observation

Standards targeted via this unit;

- NJCCS 4.0, #10
- NJCCSWRS Standard 5

Media 2 will contain all of the proficiencies of Media 1 plus the following:

Time: Ongoing

- A. Set up and use a multi-camera system both in the studio and in the field.
- B. Use common directional commands and communication apparatus with multi-camera systems.
- C. Leadership skills as head of a production team.
- D. Use appropriate techniques when conducting interviews.
- E. Demonstrate poise and confidence when being filmed.
- F. Recognize and produce good broadcast writing in both informational and entertainment formats.
- G. Use camera techniques appropriate for a wide variety of formats: sport events, dramatic productions, interview, and studio productions.
- H. Understand and use studio switching facilities.
- I. Use computer-generated graphics for credits, titles, and animation.
- J. Explore the related opportunities for employment in the television field.

**Unit 7:Other Proficiencies and Requirements:**

Time: 2 Weeks/Ongoing

- Directing: Students will gain organizational and leadership skills by acting as the Director for various productions.
- Ethics: Students will understand the ethics of copying productions and the legalities and responsibilities of copyrights
- Projects: Activities are designed to have students experience use of A/V equipment in various production experiences, Students will work on various project through the semester to include:

Sporting Events  
Concerts

News Show  
Plays

School Events  
Community Activities.

Assignments:

- Class work: Ethics Lecture
- Class work: Releases and Copyrights

Lab Activities:

- Directing Project (Wildcat Report)

Audio/Visual Needs:

- Room 432 (TV Studio)

Computer Needs:

- None

Assessment Method:

- Authentic: Crew Work, Student Observation, Student Demonstrations
- Traditional: Tests/Quizzes  
Standards targeted via this unit
- NJCCS 2.0, #7
- NJCCS 3.0, #11
- NJCCS 3.0, #15
- NJTES 1.19
- TFAA #1, H
- TGAA #2, N

Assessment:

A significant portion of the evaluation process is “performance based” as observed by the instructor. In each unit the student is expected to be able to demonstrate the roles, skills, procedures and operations covered in the unit. Grades are computed a Total **Points** basis. Grades are given for Tests, Projects and Crew Work. The points given divided by the total possible gives the student their average. A final exam is given.

Evaluation Tools

Measures of student progress

The assessment of student progress in the objectives cited on the previous pages will be primarily by, but not limited to, the following criteria.

Video Presentations

Crew Work

Tests

Class Participation/Code of Conduct

Knowledge Logs/Notebooks

Observation

Systematic, wherein the observer gathers data on one or more precisely defined behaviors;  
Nonsystematic, in which the observer watches the child at school in the setting of concern and notes the behaviors, characteristics, and personal interactions that seem significant;  
Authentic Assessment Measures Progress in Applied Skills

Authentic assessment rates students' performance on real world tasks. To perform successfully on these tests, students must know the subject area and be able to use that knowledge to perform problem solving tasks. Activities used in authentic assessments may include:

Conducting research; Designing a solution to a problem;

Writing a news article, poem, or short story;

revising and discussing papers;

Performing an oral presentation based on a project or analysis; and collaborating with others

Mid-Term Exam revised 1-22-07

Final Exam revised 6-12-07

**Homework, Extra Credit Policy:**

Extra credit will be given to all student projects worked on outside of the normal curriculum. Special credit will be given to community-based projects. Projects that cross the curriculum will be encouraged and the production facilities will be made available to students who work on these projects. Little or no homework will be given in this course but students will be held to timelines for the completion of their projects.

**Special Course Policies:**

**DUE TO THE NATURE OF EQUIPMENT AND ACTIVITIES, ANY INFRINGEMENTS OF SAFETY OR CLASSROOM RULES MAY RESULT IN THE IMMEDIATE REMOVAL FROM THE CLASS.**

Periodic evaluation of objectives and this curriculum guide;

Curriculum will be evaluated every five years.

**Lab/Classroom set up and special needs:**

The recommended maximum class size is eighteen students. This course will be taught implementing a variety of different and state of the art technologies such as:

- I-Mac computers
- I-Movie editing programs
- Final Cut Pro editing programs
- Adobe premier editing programs
- Pinnacle Studio editing programs
- Digital cameras
- Classroom space
- A full Television studio
- Supplies necessary to create and edit programs

**Materials/Resources:**

- **Text: Television Production: A Vocational Approach and Video Users Handbook**
- **Text: Making Digital Video**
- **Text: Multimedia and Image Management**

- Teacher Handouts
- Various Web Sites
- Various Video Supplies
- NJ-TEC Guest Speakers

**Field Trips/Visitations**

- . New Jersey Network
- WNBC Studios
- News 12 New Jersey
- Various Schools With TV Programs

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