Warren County School District

PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: Multimedia Technology

Course Number: 00754

Course Description and Prerequisites:
This is an introductory course using the universal systems model approach, including but not limited to the information technologies of encoding, transmitting, recording, storing, retrieving, and decoding. Students will apply problem-solving and creative thinking ability through activities and experiences which stimulate thinking and encourage ideation. Projects beyond course expectations may require a materials fee.

First Semester: Students will apply different informational technologies. Communication and graphic communication skills will be explored extensively. Students will attain the knowledge and skills necessary to apply various aspects of communication technology within their projects. Projects may include: design of CD covers, design of calendars, desktop publishing, screen-printing, black and white photography, and a power point presentation.
Second Semester: Using the knowledge and skills attained in the previous semester, students will apply various aspects of advanced desktop publishing and video and television production. Activities may include designing brochures or flyers using desktop publishing, digital photography, web-design, construction of a web page, and power point portfolio.

Final Required

Prerequisite: Technological Design and Systems

Suggested Grade Level: 11th – 12th

Length of Course: __One Semester _X_Two Semesters _____Other

Units of Credit: 1

PDE *Certification and Staffing Policies and Guidelines (CSPG)* Required Teacher Certification(s) Technology Education CSPG#65

Certification verified by WCSD Human Resources Department:

__X__ Yes ____No

Board Approved Textbooks, Software, Materials:
Title:
Publisher:
ISBN #:
Copyright Date:
Date of WCSD Board Approval:

BOARD APPROVAL:

Date Written: ____10/9/06

Date Approved:_____

Implementation Year:_____2008-2009_____

Suggested Supplemental Materials: Digital Camera, Digital Camcorder, Computer with Desktop Publishing, Color Laser Printer, Photo Paper, Photo Transfer Paper, Video Tape Equipment and Media

Course Standards

PA Academic Standards:

3.1.10. (A) Unifying Themes
3.2.10. (A,B,D) Inquiry and Design
3.6.10. (B) Technology Education
3.7.10. (A,C,D) Technological Devices
3.1.12. (A) Unifying Themes
3.2.12. (A,B,D) Inquiry and Design
3.6.12. (B) Technology Education
3.7.12. (A,C,D) Technological Devices
3.8.10. (A,B,C) Science, Technology and Human Endeavors
3.8.12. (A,B,C) Science, Technology and Human Endeavors

WCSD Academic Standards: None

Industry or Other Standards: None

WCSD EXPECTATIONS

WCSD K-12 Expectations for instruction in writing, reading, mathematics and, technology have been developed and revised annually. The teacher will integrate all WCSD Expectations into this planned instruction

SPECIAL EDUCATION AND GIFTED REQUIREMENTS

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (I.E.P.) or Gifted Individual Education Plan (G.I.E.P.).

SPECIFIC EDUCATIONAL OBJECTIVES/CORRESPONDING STANDARDS AND ELIGIBLE CONTENT WHERE APPLICABLE

3.1.10 (A) Unifying Themes x – performance assessed during that semester

	Performance Indicator	1	2	Assessment
A.	Discriminate among the concepts of systems, subsystems, feedback and control in solving technological problems.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project

3.1.12 (A) Unifying Themes

	Performance Indicator	1	2	Assessment
A.	Apply concepts of systems, subsystems, feedback and control to solve complex technological problems.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project

3.2.10 (A,B,D) Inquiry and Design

	Performance Indicator	1	2	Assessment
A.	Apply knowledge and understanding about the nature of scientific and technological knowledge.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project
B.	Apply process knowledge and organize scientific and technological phenomena in varied ways.			
D.	Identify and apply the technological design process to solve problems.			

3.2.12 (A,B,D) Inquiry and Design

	Performance Indicator	1	2	Assessment
A.	Evaluate the nature of scientific and technological knowledge.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project
B.	Evaluate experimental information for appropriateness and adherence to relevant science processes.			
D.	Analyze and use the technological design process to solve problems.			

3.6.10 (B) Technology Education

	Performance Indicator	1	2	Assessment
B.	Apply knowledge of information technologies of encoding, transmitting, receiving, storing, retrieving and decoding.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project

3.6.12 (B) Technology Education

	Performance Indicator	1	2	Assessment
B.	Analyze knowledge of information technologies of processes encoding, transmitting, receiving, storing, retrieving and decoding.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project

3.7.10 (A,C,D) Technological Devices

	Performance Indicator	1	2	Assessment
A.	Identify and safely use a variety of tools, basic machines, materials and techniques to solve problems and answer questions.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project
C.	Apply basic computer operations and concepts.			
D.	Utilize computer software to solve specific problems.			

3.7.12 (A,C,D) Technological Devices

	Performance Indicator	1	2	Assessment
A.	Apply advanced tools, materials and techniques to answer complex questions.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project
C.	Evaluate computer operations and concepts as to their effectiveness to solve specific problems.			
D.	Evaluate the effectiveness of computer software to solve specific problems.			

3.8.10 (A,B,C) Science, Technology and Human Endeavors

	Performance Indicator	1	2	Assessment
A.	Analyze the relationship between societal demands and scientific and technological enterprises.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project
B.	Analyze how human ingenuity and technological resources satisfy specific human needs and improve the quality of life.			
C.	Evaluate possibilities consequences and impacts of scientific and technological solutions.			

3.8.12 (A,B,C) Science, Technology and Human Endeavors

	Performance Indicator	1	2	Assessment
A.	Synthesize and evaluate the interactions and constraints of science and technology on society.			Formative Assessments: • Peer Assessment • Quizzes • Teacher Observation Summative Assessment: • Documentation / Portfolio • Project
B.	Apply the use of ingenuity and technological resources to solve specific societal needs and improve the quality of life.			
C.	Evaluate the consequences and impacts of scientific and technological solutions.			

ASSESSMENTS

PSSA Assessment Anchors Addressed: The teacher must be knowledgeable of the PDE Assessment Anchors and/or Eligible Content and incorporate them into this planned instruction. Current assessment anchors can be found at pde@state.pa.us.

Formative Assessments: The teacher will develop and use standards-based assessments throughout the course.

Portfolio Assessment: _X_ Yes ____ No

District-wide Final Examination Required: _X_ Yes ____ No

Course Challenge Assessment:
Written Test(s)
Performance Assessment(s)

REQUIRED COURSE SEQUENCE AND TIMELINE

Content Sequence	Dates
Semester 1	
Introduction to Information Technologies	2 days
Layout and Design	5 days
Graphic Reproduction	10 days
Electronic Media	10 days
Multimedia Presentation	8 days
Desktop Publishing	10 days
Multimedia Project	45 days
Semester 2	
Audio/Video Production	20 days
Webpage Design	20 days
Digital Portfolio	50 days

Objectives:
Students should be able to communicate ideas with multiple forms of media.
Students will learn to select and integrate appropriate mediums.
Students will be knowledgeable in correlating the message with the audience.
Students will gain experience in implementing media tools.

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WCSD STUDENT DATA SYSTEM INFORMATION

1. Is there a required final examination? _X_ Yes ____ No
2. Does this course issue a mark/grade for the report card?
   _X_ Yes____ No
3. Does this course issue a Pass/Fail mark? ____ Yes _X_ No
4. Is the course mark/grade part of the GPA calculation?
   _X_ Yes ____ No
5. Is the course eligible for Honor Roll calculation? _X_ Yes ____ No
6. What is the academic weight of the course?
   ____ No weight/Non credit _X_ Standard weight
   ____ Enhanced weight (Describe)_____