



Course Overview

High School | Technology Education | Video Production - Last Updated on April 23, 2025

DESCRIPTION

K-12 Content Area | Mission & Philosophy Statement

- Young people are born investigators, with natural curiosities about the physical, biological, and social worlds they experience. Anchoring science, technology, engineering learning in real-world phenomena connects curiosities to core conceptual understandings.
- Students actively construct understanding through inquiry, experimentation, and analysis to develop science and engineering practices such as asking questions, planning and carrying out investigations, and constructing explanations and models.
- Integration of crosscutting concepts such as patterns, cause and effect, and systems thinking promote interdisciplinary understanding and sense-making of the natural world.
- The design process is central to the modern world. Architects, Engineers, Drafters, and Designers utilize technical tools to prototype, manufacture, and collaborate in the development of new products.

Course Description

Digital Media is the most prevalent form of communication and advertisement in society today. In this course students will explore video production, which includes: video planning, filming and video editing. To complete these tasks, students will have professional tools at their disposal including HD digital video cameras and accessories, green screen, as well as the industry standard software in Adobe Premiere Pro to edit their videos. Students will apply problem-solving strategies individually and in small groups to create projects such as radio shows, silent movies, commercials, movie trailers and music videos.

STANDARDS

Pennsylvania - Grade 10 - Science and Technology and Engineering

3.4.10.A2 3.4.10.B2 3.4.10.B4 3.4.10.E4 3.4.10.B1 3.4.10.C2

Pennsylvania - Grade 9-10 - English Language Arts ELA

CC.1.2.9–10.J CC.1.4.9–10.B CC.1.4.9–10.P CC.1.5.9–10.F

Pennsylvania - Grade 9-10 - Writing for Science and Technical Subjects

CC.3.6.9-10.C CC.3.6.9-10.G CC.3.6.9-10.E

Pennsylvania - Grade 9-10 - Reading for Science and Technical Subjects

CC.3.5.9-10.C CC.3.5.9-10.B CC.3.5.9-10.D



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Pennsylvania - Grade 9-12 - Arts and Humanities

9.1.12.A

9.1.12.C

9.1.12.H

9.1.12.J

COURSE OBJECTIVES

ASSESSMENT TYPES

The following assessment types will be used during the course:

- Curriculum-based Measures
- Formative Assessments
- Performance-based Assessments
- Summative Assessments

SUGGESTED METHODS OF INSTRUCTION

A technology education program demands the use of a variety of instructional strategies to foster design-based thinking. Below is a list of suggested strategies for high-quality instruction:

- Instructional components outlined in *The Framework for Teaching* by Charlotte Danielson
- Posing questions for investigation
- Cooperative learning and collaboration
- Inquiry, engineering, and design processes
- Developing models

RESOURCES

District Approved Program Resources	District Approved Supplemental Resources	District Approved Technology Resources
Projector Computer Camera Tripods SD cards Editing Software Green Screen		iPad