

GRADE 8 COMMUNICATIONS TECHNOLOGY

Description

This course is an introduction to Communication Technology. Students study basic methods of modern communication and develop projects based communication concepts.

Course Overview

Course Objectives

Students should:

- select and use communication technologies.
- understand the technical and social aspects of communication technologies.
- select and use Graphic Design software.
- select and use Audio Manipulation software.
- create a communication project from concept to completion.
- identify careers in Communication technology.

Essential Question

- What are the social, economic and environmental impacts of existing and evolving communication technologies?

Assessments

Common Assessments

- Evaluation Rubric

Skill Assessments

- Utilize basic skills to develop and edit project(s)
- Analyze and apply laws affecting communication
- Design and develop projects that utilize the core areas of communication technology
- Develop and maintain a portfolio

Content Outline

- I. [Unit 1](#) - Introduction to Communications
- I. [Unit 2](#) - CADD
- II. [Unit 3](#) - Graphic Design
- III. [Unit 4](#) – Audio and Video

Standards

Connecticut State Technology Education Standards are met in the following areas:

- *Computer Aided Drafting and Design (CADD)*
- *Communications*

Grade Level Skills

Content Development Skills

- Analyze and apply laws affecting communication
- Write a script
- Develop a flowchart / storyboard for a project specification

Production Skills

- Design and develop projects that utilize the core areas of communication technology
- Create content
- Produce media sequence
- Develop and maintain a portfolio

Pacing Guide

Marking Period

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Unit 1 Introduction to Communications 1 week	Unit 2 CADD 2 weeks		Unit 3 Graphic Design 3 weeks			Unit 4 Audio and Video 3 weeks		

Unit 1 – Introduction to Communication, 1 week [top](#)

Standards

Communications

AVC.01 Identify historical, social, economic, environmental, and government regulations impact Communications technology.

AVC.01.03, AVC.01.04

AVC.02 Define communications technology systems.

AVC.02.01

Unit Objectives

Students will be able to:

- describe social impacts of communication technology.
- predict social impacts of future technology.
- increase an awareness of copyright and fair use.

Essential Questions

- How are people’s lives affected by communication technology?
- What are your responsibilities under the fair use act?

Focus Questions

- What key factors have impacted the evolution of the communications technologies?
- How do governmental regulations impact communications?

Assessments

- Performance Assessment
- Grading rubric
- Writing Prompts
- Written/verbal assessments
- Self-Assessment
- Portfolio

Skill Objectives

Students will:

- identify copy-writed material
- evaluate the impact of communication technologies.
- demonstrate use of software/hardware to create a communications project.

Unit 2 – CADD, 2 weeks [top](#)

Standards

Computer Aided Drafting and Design (CADD)

CADD.01 Demonstrate an understanding of the historical and current events related to CADD and the impact on society.

CADD.01

CADD.02 Analyze the use of current CADD design technology.

CADD.02.01, CADD.02.09

CADD.10 Maintain a portfolio to document knowledge, skills, materials and experience in CADD.

CADD.10.01

Unit Objectives

Students will be able to:

- describe how CADD is used in the design world.
- describe physical objects as geometric entities.
- apply conventional Computer Aided Drafting and Design processes and procedures accurately, appropriately, and safely.

Essential Question

- What significance has the development Computer Aided Drafting and Design had on society?

Focus Questions

- What impact has CADD made in the development of Architecture and Engineering?
- How does CADD assist in producing two- and three-dimensional sketches and designs?

Assessments

- Performance Assessment
- Grading rubric
- Writing Prompts
- Written/verbal assessments
- Self-Assessment
- Portfolio

Skill Objectives

Students will:

- describe and demonstrate the use of graphic communication skills.
- utilize software to create orthographic drawings of objects.
- render solid models.
- place dimensions, notes and annotations to clearly communicate design intent.

Unit 3 – Graphic Design, 3 weeks [top](#)

Standards

Communications

AVC.04 Edit media productions to demonstrate basic skills in operating various elements in a production system.

AVC.02.02

Unit Objectives

Students will be able to:

- edit media to communicate an idea.
- create graphical representation of an idea.
- apply basic principles of design to created projects.

Essential Questions

- What is the importance of representing an idea graphically?
- How do the principles of design influence a product?

Focus Questions

- What advantages do common methods of communication give society?
- How do the elements of a design relate to a communication technology's success?

Assessments

- Performance Assessment
- Grading rubric
- Writing Prompts
- Written/verbal assessments
- Self-Assessment
- Portfolio

Skill Objectives

Students will:

- show proficiency with graphic manipulation software.
- express an idea graphically.
- apply basic principles of design.
- integrate graphics of various file formats.

Unit 4 – Audio and Video, 3 weeks [top](#)

Standards

Communications

AVC.03 Demonstrate the use of appropriate communication equipment for the delivery of a message.

AVC.03.01, AVC.03.09, AVC.03.17

AVC.04 Edit media productions to demonstrate basic skills in operating various elements in a production system.

AVC.04.06

AVC.05 Analyze and apply laws affecting communication enterprises to maintain up-to-date compliance with key regulations influencing the industry.

AVC.05.04

Unit Objectives

Students will be able to:

- create a project using animation software.
- utilize software to record/manipulate digital audio.
- create a project to meet a specification using video/audio manipulation software.

Essential Question

- What is the significance of digital technology for audio and video production?

Focus Questions

- Why is specialized equipment required for specific types of audio productions?
- What is the purpose of editing?
- Why is planning so important in planning a production?

Assessments

- Performance Assessment
- Grading rubric
- Writing Prompts
- Written/verbal assessments
- Self-Assessment
- Portfolio

Skill Objectives

Students will:

- describe stop motion process.
- develop stop motion via flip book.
- develop stop motion film utilizing software.
- utilize audio recording software.
- integrate digital audio of different sources.