

# Introduction to Communications Technology

<b>Levels:</b>	<b>Grades 8-10</b>
<b>Units of Credit:</b>	<b>.50</b>
<b>CIP Code:</b>	<b>21.0108</b>
<b>Core Code:</b>	<b>38-01-00-00-010</b>
<b>Prerequisite:</b>	<b>None</b>
<b>Skill Test:</b>	<b>None</b>

## **COURSE DESCRIPTION**

Communications Technology will teach students will create, store, analyze, manipulate, record, and transmit information through four major areas:

- 1) Drafting and design.
- 2) Electronic communications.
- 3) Audio visual/multi-media communications.
- 4) Graphic communications.

Students will explore the impacts of communication technology on our society; and they will explore related careers.

## **CORE STANDARDS, OBJECTIVES, AND INDICATORS**

### **STANDARD 1**

**Students will investigate career opportunities in the communications industry, will explore the impact of communication technology on our society, will be able to identify a variety of communication technologies, and will learn and use safety practices.**

**Objective 1:** Identify occupations related to the communication industry.

**Objective 2:** State the differences between past and present methods of communications.

**Objective 3:** Identify a variety of systems, methods, and materials used for building communication technology.

**Objective 4:** Learn and use safe work habits and techniques.

### **STANDARD 2**

**Students will understand the design process.**

**Objective 1:** Know the steps of the design process.

**Objective 2:** Understand how to identify and classify a problem.

**Objective 3:** Know the steps of researching a design problem.

**Objective 4:** Solve a design-based problem.

### **STANDARD 3**

**Students will understand basic drafting concepts and systems.**

**Objective 1:** Identify drafting systems.

**Objective 2:** Understand and use drafting techniques. For example:  
a. Understand and use lines.

- b. Understand and use letters.
- c. Understand and use symbols.

**Objective 3:** Understand and use different types of drawings. For example:

- a. Understand and use isometric drawings.
- b. Understand and use geometric communications drawings.
- c. Understand and use orthographic drawings.
- d. Understand and schematic drawings.

**Objective 4:** Sketch a part or idea.

**Objective 5:** Interpret a drawing or schematic.

#### **STANDARD 4**

**Students will demonstrate how information is communicated electronically.**

**Objective 2:** Understand, identify, and use electronically communicate information.

**Objective 3:** Understand the value and credibility issues of information.

**Objective 4:** Be able to send, receive, and confirm electronic communication.

**Objective 5:** Understand the expectable use policies of the school.

#### **STANDARD 5**

**Students will demonstrate how audio visual/multimedia presentation are made and used.**

**Objective 1:** Understand the influence of technology on audio/visual multimedia presentations.

**Objective 2:** Understand how to use multimedia programs.

**Objective 3:** Know related vocabulary.

**Objective 4:** Produce a multimedia presentation. For example:

- a. Produce a multimedia presentation using audio.
- b. Produce a multimedia presentation using video.
- c. Produce a multimedia presentation using presentations.

#### **STANDARD 6**

**Students will identify and demonstrate graphic communication.**

**Objective 1:** Understand basic vocabulary of graphics.

**Objective 2:** Identify where graphics are used in industry.

**Objective 3:** Produce a graphics product. For example:

- a. Produce a printing product.
- b. Produce a silk-screening product.
- c. Produce an engraving product.