

## **Professional Technical Studies**

### **PATHWAY: Audio & Video Technology & Film**

#### **CLUSTER: AV Technology & Communications**

#### **Operations, Concepts and Innovations**

- Exhibits knowledge of the history of film
- Analyzes various careers in audio and video technology and film
- Defines terminology associated with audio and video technology and film

#### **Production, Problem Solving and Decision Making**

- Identifies and analyzes production functions
- Applies knowledge of the critical elements in designing a production
- Applies knowledge of lighting, audio, and video equipment for productions
- Describes how to frame and maintain picture composition
- Demonstrates knowledge of operation and maintenance of a video system
- Exhibits knowledge of computer-based video production and editing
- Applies knowledge of control peripherals used for editing
- Applies knowledge of basic editing to both linear and nonlinear systems
- Demonstrates installation and use of cable or wireless audio-video systems
- Demonstrates repair and servicing of transmitting and receiving systems
- Executes production of the script

#### **Communications**

- Creates a short script
- Demonstrates writing audio scripts for various types of programs
- Critiques a production

#### **Ethics and Legal Responsibilities**

- Analyzes copyright laws, the First Amendment, and other regulations
- Identifies the proper use of proprietary information
- Analyzes and practices ethical principals of decision making
- Analyzes liabilities associated with productions and performances, media, and telecommunications installations