

## **TE.DCT Digital Communications Technology**

### Essential Discipline Goals

- Develop and apply technical competency and related skills that allow students to be a part of a production crew to complete video production projects.
- Demonstrate the ability to communicate and creatively complete task in teams and individually.
- Develop technological literacy and the ability to adapt to future change.
- Demonstrate the ability to solve problems with technology using creative critical thinking skills.
- Demonstrate the ability to use resources, including software, equipment, scripts, and materials in digital video production.
- Students will apply knowledge of and perform task representative of technology-based careers.

### **TE.DCT.05 Demonstrate knowledge and skills related to the functioning of a variety of technology systems.**

- TE.DCT.05.01 Operate and maintain basic video production equipment: cameras, tape units, video switches, special effects generators, graphic computers, and microphones
- TE.DCT.05.02 Develop entry level skills in studio set design, construction, and lighting techniques
- TE.DCT.05.03 Develop and apply basic editing techniques
- TE.DCT.05.04 Create computer graphics, animation and credits for video
- TE.DCT.05.05 Apply videography techniques: shot composition, focal lengths, and depth of field.

### **TE.DCT.10 Identify personal interests and abilities related to technology-based careers.**

- TE.DCT.10.01 Identify the roles and responsibilities of the production crew: producer/director, camera operator, technical director, floor manager, etc.

### **TE.DCT.15 Utilize communication skills in the solution of technological problems.**

- TE.DCT.15.01 Communicate ideas utilizing skills related to production, direction, and scripting of programs.

### **TE.DCT.20 Demonstrate knowledge of the evolution of technology.**

- TE.DCT.20.01 Promote awareness and deep understanding through classroom lectures, demonstrations, studio activities, field trips, and guest speakers

### **TE.DCT.25 Utilize resources to develop knowledge based on making informed decisions about technological issues.**

- TE.DCT.25.01 Explore the capabilities of digital nonlinear editing

### **TE.DCT.30 Demonstrate ingenuity and creativity in the use of technology resources.**

- TE.DCT.30.01 Construct video programs/presentations incorporating video, sound, photographs and text

### **TE.DCT.35 Identify and demonstrate factors for employability and advancement related to technology careers.**

- TE.DCT.35.01 Maintain a television/multi-media production portfolio

### **TE.DCT.40 Demonstrate the ability to work as a team member in the solution of technological problems.**

- TE.DCT.40.01 Explore cooperative team efforts to operate like a real video production company
- TE.DCT.40.02 Emphasize responsibility, dependability and organization skills through team work
- TE.DCT.40.03 Define individual roles and responsibilities within a production crew to produce programs from creation to completion

### **TE.DCT.45 Demonstrate ingenuity and creativity in the use of technology resources.**

- TE.DCT.45.01 Produce school news programs, talk shows, video yearbook etc.

### **TE.DCT.50 Demonstrate knowledge and skills related to the functioning of a variety of technology systems.**

- TE.DCT.50.01 Utilize digital nonlinear editing systems to edit programs.
- TE.DCT.50.02 Utilize computer graphics software to support digital video production.

**TE.DCT.55 Identify the relationships and impacts among technological achievement, the individual, and society.**

TE.DCT.55.01 Acknowledge and review legal ramifications of copyright laws.

TE.DCT.55.02 Match the type and style of the production to the target audience.

**TE.DCT.60 Identify and demonstrate factors for employability and advancement related to technology based careers.**

TE.DCT.60.01 Organize and maintain content of television/multi-media productions student portfolio.