# Competency Task List – Secondary Component

# Communication Technology/Technicians & Support Services CIP 10.9999

# High School Graduation Years 2021, 2022, 2023

## 100 Orientation

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 101 | Investigate career pathways in Communications Technology. |   |   |
| 102 | Recognize copyright laws, fair use guidelines, and legal issues when producing media. |  |  |

## 200 Graphic Design

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 201 | Use graphic software to create, format, and edit documents.  |   |   |
| 202 | Change application settings and manage files within a graphic software application.  |   |   |
| 203 | Prepare files for appropriate output. |   |   |
| 204 | Produce a logo using thumbnails, roughs, and comprehensives. |   |   |
| 205 | Distinguish between vector and raster graphics. |   |   |
| 206 | Use a vector-based application. |   |   |
| 207 | Use a bitmap-based application. |  |  |
| 208 | Use a desktop publishing application. |  |  |
| 209 | Describe elements of design (e.g., line, shape, texture, mass, form, color). |  |  |
| 210 | Describe principles of design (e.g., balance, emphasis, unity, alignment, repetition, motion). |  |  |

## 300 Media Composition

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 301 | Identify, describe, and demonstrate the principles of typography. |  |   |
| 302 | Describe the principles of color theory (including: primary, secondary, additive/subtractive, contrast, lighting design, color themes, psychology, hue/saturation/value/luminance). |  |   |
| 303 | Describe the principles of motion (including: pan, tilt, zoom, dolly truck, arc, and pedestal). |  |  |
| 304 | Describe the principles of sound (including: harmony, melody, ambient, diegetic and non-diegetic). |  |  |
| 305 | Describe the principles of visual composition (including: rule of thirds, 180 degree rule, framing, depth of field, angles, balance, and hierarchy). |  |  |
| 306 | Apply basic principles of composition and field of view. |  |  |

## 400 Photography

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 401 | Operate digital still camera. |  |   |
| 402 | Import, capture, and transfer images from camera. |  |   |
| 403 | Identify the parts of a digital still camera. |  |  |
| 404 | Apply basic principles of exposure. |  |  |
| 405 | Apply basic principles of focus. |  |  |
| 406 | Demonstrate the proper use of support systems (e.g., monopod, tripod). |  |  |

## 500 Web Media

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 501 | Identify and use basic HTML elements to create a web page. |   |   |
| 502 | Integrate graphics and links to an HTML page. |   |   |
| 503 | Demonstrate the properties of typography in HTML and CSS. |  |  |
| 504 | Describe concepts of responsive Web Design (e.g., cell phone, tablet, desktop). |  |  |
| 505 | Create, publish, and manage a supervised site (e.g., social media site, website, wiki, blog). |  |  |
| 506 | Describe the various network protocols (e.g. FTP, SMTP, HTTP) |  |  |

## 600 Video, Cinematography, and Audio Production

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 601 | Identify and use various script formats (e.g., radio, TV, 2 column, screen play). |   |   |
| 602 | Develop a storyboard and a shotlist. |   |   |
| 603 | Import and transfer media into editing software. |   |   |
| 604 | Use video effects, audio effects and transitions.  |   |   |
| 605 | Add titles to a video production. |  |  |
| 606 | Export finished project for distribution. |  |  |
| 607 | Identify types of microphones and pickup patterns. |  |  |
| 608 | Apply story-telling concepts to a project. |  |  |
| 609 | Distinguish frame rates. |  |  |
| 610 | Demonstrate the proper operation of a video camera. |  |  |
| 611 | Apply white balance procedures to the production environment. |  |  |
| 612 | Monitor and record proper audio levels. |  |  |

## 700 Professional Practices

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 701 | Create and manage a production schedule. |   |   |
| 702 | Create a project budget using spreadsheet software. |  |  |
| 703 | Estimate time and material for media projects. |  |  |
| 704 | Use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources collaboratively.  |  |  |
| 705 | Determine strategies for success in multimedia projects. |  |  |
| 706 | Create format and present media presentation. |  |  |
| 707 | Research new industry trends. |  |  |
| 708 | Create a self-marketing package, including portfolio, demo reel, and resume). |  |  |
| 709 | Participate in a critique, including graphic design, video, web, and photo. |  |  |
| 710 | Develop, publish, and present an advertising campaign. |  |  |
| 711 | Produce media for an intended target audience, including those with disabilities. |  |  |

## 800 Safety

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 801 | Identify appropriate communication with electronic mail and the internet.  |   |   |
| 802 | Demonstrate proper ergonomics. |   |   |
| 803 | Identify hazards when working with electrical equipment. |   |   |
| 804 | Review safety data sheets (SDS). |  |  |
| 805 | Identify types of fire extinguishers. |  |  |
| 806 | Identify concepts of internet safety (e.g., firewalls, viruses, worms, captcha, trojan horses, encryption, phishing). |  |  |
| 807 | Practice proper cable management and storage techniques. |  |  |

## 900 Computer Operations and Applications/Computer Literacy

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Task  | (X) Indicates Proficiency 1 | Secondary Course Crosswalk |
| 901 | Maintain computer equipment and solve common problems relating to computer hardware. |   |   |
| 902 | Identify file formats for use in media productions (e.g., print formats, web formats, video/audio formats, photography). |   |   |
| 903 | Use terminology associated with hardware.  |   |   |
| 904 | Create a file management system. |  |  |
| 905 | Identify different types of software, and general concepts related to software categories (e.g., graphics, video, web, word processing, audio). |  |  |
| 906 | Identify types of communication networks e.g., WIFI, Blue tooth, local are network). |  |  |
| 907 | Locate services and resources on the internet. |  |  |
| 908 | Distinguish between different input and output devices. |  |  |
| 909 | Recognize various cables used in current media productions. |  |  |
| 910 | Explain the ways software manufacturers protect against software piracy. |  |  |

1 Student Demonstrated Entry-Level Industry Proficiency as Indicated by (X)

Secondary CTE Instructor Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_