

# ICT Multimedia Essentials

## Objectives Matrix

The *ICT Multimedia Essentials* course teaches the essential skills and concepts for success in the modern multimedia world. Students will dive into cutting-edge technologies like VR, AR, and AI, while exploring different multimedia career paths and roles. The course highlights the importance of soft skills, copyright, trademark, and accessibility in multimedia. Students will gain practical experience in creating and editing images, learning about file formats, and graphics software, and applying various effects. In video production, students will master planning, recording, and editing videos, including audio integration, to communicate messages clearly. By course end, students will be ready to produce professional-quality multimedia projects that meet industry standards.

ICT Multimedia Essentials Objective	ICT Multimedia Essentials Courseware Lesson(s) and Section(s)
<b>Domain 6.1: Understand the challenges and opportunities in multimedia, including the impact of VR, AR, and AI, key job roles and career paths, the importance of soft skills, and best practices for copyright, fair use, and accessibility.</b>	
6.1.1: Describe constraints to multimedia advancement.	<b>Lesson 1: Modern Multimedia</b> - Modern Technologies
6.1.2: Identify VR and AR uses in multimedia.	<b>Lesson 1: Modern Multimedia</b> - Modern Technologies
6.1.3: Describe how AI will change multimedia.	<b>Lesson 1: Modern Multimedia</b> - Modern Technologies
6.1.4: Describe different multimedia job roles.	<b>Lesson 1: Modern Multimedia</b> - Multimedia Job Roles
6.1.5: Describe common multimedia career paths.	<b>Lesson 1: Modern Multimedia</b> - Multimedia Job Roles
6.1.6: Describe the importance of soft skills in multimedia careers.	<b>Lesson 1: Modern Multimedia</b> - Essential Soft Skills
6.1.7: Describe copyright and trademark best practices.	<b>Lesson 1: Modern Multimedia</b> - Copyright, Trademark and Fair Use
6.1.8: Describe fair use guidelines in multimedia	<b>Lesson 1: Modern Multimedia</b> - Copyright, Trademark and Fair Use
6.1.9: Describe accessibility considerations in multimedia.	<b>Lesson 1: Modern Multimedia</b> - Accessibility and Multimedia

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<b>Domain 6.2: Understand different types of images, graphic software, and file formats, as well as create, modify, and apply effects to images using various tools and techniques.</b>	
6.2.1: Define common types of images (e.g., clipart, logos, web graphics, backgrounds) including attention-grabbing and thought-provoking images.	<b>Lesson 2: Creating and Using Images Effectively</b> - Working with Images and Image Software
6.2.2: Describe different graphics software that can create and modify images of different formats.	<b>Lesson 2: Creating and Using Images Effectively</b> - Working with Images and Image Software
6.2.3: Identify image file formats for photos and graphical art (e.g., TIFF, BMP, EPS, JPEG, GIF, PNG), and specify which formats are supported on the web.	<b>Lesson 2: Creating and Using Images Effectively</b> - Working with Images and Image Software
6.2.4: Define terms related to the creation and display of graphical images (e.g., raster, vector, transparency, opacity, cropping, etc.).	<b>Lesson 2: Creating and Using Images Effectively</b> - Working with Images and Image Software
6.2.5: Compare and contrast vector and bitmap (raster) images.	<b>Lesson 2: Creating and Using Images Effectively</b> - Working with Images and Image Software
6.2.6: Create images with effects using different tools, brushes, adjustments and filters available in graphics software.	<b>Lesson 2: Creating and Using Images Effectively</b> - Image Editing Features
6.2.7: Copy and paste graphical images.	<b>Lesson 2: Creating and Using Images Effectively</b> - Image Editing Features
6.2.8: Modify shapes and colors in an graphical image.	<b>Lesson 2: Creating and Using Images Effectively</b> - Image Editing Features
<b>Domain 6.3: Plan, create, and edit effective videos and audio projects by focusing on good communication, proper use of equipment, and mastering video and audio editing software.</b>	
6.3.1: Describe the qualities of good communication in a video.	<b>Lesson 3: Creating and Using Video Effectively</b> - Video as a Communication Tool
6.3.2: Describe the characteristics of an effective video, including video length, audience, script, and storyboard.	<b>Lesson 3: Creating and Using Video Effectively</b> - Characteristics of Effective Videos
6.3.3: Understand how to plan an effective video that meets goals and objectives.	<b>Lesson 3: Creating and Using Video Effectively</b> - Video Production
6.3.4: Explain the video production process.	<b>Lesson 3: Creating and Using Video Effectively</b> - Video Production
6.3.5: Use a portable digital video device (e.g., mobile phone, tablet, or webcam) or record a screen to generate a video for editing and publishing.	<b>Lesson 3: Creating and Using Video Effectively</b> - Creating a Video
6.3.6: Determine appropriate positioning, lighting and sound equipment needs for recording a video.	<b>Lesson 3: Creating and Using Video Effectively</b> - Creating a Video
6.3.7: Explain the functions and advantages of the digital video software interface.	<b>Lesson 3: Creating and Using Video Effectively</b> - Editing Your Videos with Software

<b>ICT Multimedia Essentials Objective</b>	<b>ICT Multimedia Essentials Courseware Lesson(s) and Section(s)</b>
6.3.8: Use video-editing software to modify a video (e.g., edit, cut, erase, and insert video) to achieve the desired message and length.	<b>Lesson 3: Creating and Using Video Effectively</b> - Editing Your Videos with Software
6.3.9: Create a multimedia presentation that incorporates an edited video.	<b>Lesson 3: Creating and Using Video Effectively</b> - Creating a Multimedia Presentation
6.3.10: Understand what the audio editing software can do and why it's useful.	<b>Lesson 3: Creating and Using Video Effectively</b> - Capturing and Editing Audio
6.3.11: Show how to edit, cut, insert, and add effects to audio to make sure it gives the right message and is the right length.	<b>Lesson 3: Creating and Using Video Effectively</b> - Capturing and Editing Audio
6.3.12: Prepare a short, recorded audio project.	<b>Lesson 3: Creating and Using Video Effectively</b> - Capturing and Editing Audio