

Unit 02: Camera Settings (Production)

Content Area: **CTE**
Course(s): **TV Video Production I**
Time Period: **October**
Length: **3 Weeks**
Status: **Published**

Unit Overview:

Using manual settings to achieve your vision while operating the camera is a must-have skill for a serious filmmaker. Controlling the focus and exposure of your image through Aperture, Shutter Speed and ISO is vital.

Enduring Understandings:

- Ability to navigate through your camera's settings
- Ability to use the functions of your camera to set Exposure, Focus & White Balance

Essential Questions:

- Why is it important to manually control your settings?
- What could possibly happen if you use automatic settings to make decisions for you?
- How can auto vs. manual settings affect my final product?

Career Readiness, Life Literacies, & Key Skills:

TECH.9.4.12.CI	Creativity and Innovation
TECH.9.4.12.CI.1	Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).
	With a growth mindset, failure is an important part of success.

Standards/Indicators/Student Learning Objectives (SLOs):

ITEC.9-12.9.4.12.C.(1).1	Demonstrate knowledge and understanding of how technical production support can enhance audio, video, and film production systems.
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Lesson Titles:

- Focus
- Exposure
- Aperture
- Shutter Speed
- ISO
- White Balance

Inter-Disciplinary Connections:

VA.K-2.1.5.2.Cr1

Generating and conceptualizing ideas.

VA.K-2.1.5.2.Cr1a

Engage in individual and collaborative exploration of materials and ideas through multiple approaches, from imaginative play to brainstorming, to solve art and design problems.

VPA.1.3.P

All students will synthesize those skills, media, methods, and technologies appropriate to creating, performing, and/or presenting works of art in dance, music, theatre, and visual art.

Anticipatory Set:

- Aperture (f/stops) & The Pupil of Your Eye

Instructional Strategies, Learning Activities, and Levels of Blooms/DOK:

Lecture, Case Method, Discussion, Active Learning, Cooperative Learning, Integrating Technology (Varies based on content)

- Remember
- Understand
- Apply
- Analyze
- Evaluate
- Create

Modifications

At Risk Modifications

- Additional time for assignments
- Adjusted assignment timelines
- Agenda book and checklists
- Answers to be dictated
- Assistance in maintaining uncluttered space
- Books on tape
- Concrete examples
- Extra visual and verbal cues and prompts
- Follow a routine/schedule
- Graphic organizers
- Have students restate information
- No penalty for spelling errors or sloppy handwriting
- Peer or scribe note-taking
- Personalized examples
- Preferential seating
- Provision of notes or outlines
- Reduction of distractions
- Review of directions
- Review sessions
- Space for movement or breaks
- Support auditory presentations with visuals
- Teach time management skills
- Use of a study carrel
- Use of mnemonics
- Varied reinforcement procedures
- Work in progress check

ELL Modifications:

- - Choice of test format (multiple-choice, essay, true-false)
 - Continue practicing vocabulary
 - Provide study guides prior to tests
 - Read directions to the student
 - Read test passages aloud (for comprehension assessment)
 - Vary test formats

IEP & 504 Modifications:

- - Allow for redos/retakes
 - Assign fewer problems at one time (e.g., assign only odds or evens)
 - Differentiated center-based small group instruction
 - Extra time on assessments
 - Highlight key directions
 - If a manipulative is used during instruction, allow its use on a test
 - Opportunities for cooperative partner work
 - Provide reteach pages if necessary
 - Provide several ways to solve a problem if possible
 - Provide visual aids and anchor charts
 - Test in alternative site
 - Tiered lessons and assignments
 - Use of a graphic organizer
 - Use of concrete materials and objects (manipulatives)
 - Use of word processor

G&T Modifications:

- - Alternate assignments/enrichment assignments
 - Enrichment projects
 - Extension activities
 - Higher-level cooperative learning activities
 - Pairing direct instruction with coaching to promote self-directed learning
 - Provide higher-order questioning and discussion opportunities
 - Provide texts at a higher reading level
 - Tiered assignments
 - Tiered centers

Formative Assessment:

- Quiz (Written / Performance)

Summative Assessment:

- Performance Assessment (ABC Scavenger Hunt)

Benchmark Assessments

Skills-based assessment

Reading response

Writing prompt

Lab practical

Alternative Assessments

Performance tasks

Project-based assignments

Problem-based assignments

Presentations

Reflective pieces

Concept maps

Case-based scenarios

Portfolios

Resources & Materials:

- Final Cut Pro X
- Adobe Photoshop
- Google Docs
- RocketJump Film School (YouTube)
- Lynda.com (Website)
- Videomaker (Magazine)
- Pond5.com

Technology:

- DSLR Camera

- iMac Computer
- Cleartouch Interactive Display
- TriCaster Studio
- Google Chromebooks

TECH.8.1.12

Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.

TECH.8.1.12.A

Technology Operations and Concepts: Students demonstrate a sound understanding of technology concepts, systems and operations.