INTRODUCTION TO DIGITAL VIDEO II

COURSE INFORMATION:

Length: 90 Hours **Type**: Preparatory

Program: 100202 Video ProductionTechnology/Technician Cluster: Arts, Audio/Video Technology & Communications

CTSO: SkillsUSA

Standards: States' Career Cluster ATVC Standards; Occupational Skills Network Skills Standards; Television

Production/Broadcasting Standards (Cybercollege)

COURSE DESCRIPTION:

Cinematography and Film / Digital Video Production II

Registration Code: CTE 303/304Preparatory

Grade Levels: 09-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Must have met the standards of Cinematography I or AR

Other: Upon successful completion of Video Production II with a B or higher, students will have the opportunity of earning college credit through Shoreline Community College (Film 256 – 5.0 credits) or Lake Washington Technical

College (MMDP 119 – 5.0 credits)

CIP Code: 100202

Career Cluster: Arts Audio / Video Technology Communications

Location: CHS, EHS, JHS

This exploratory class continues where Video Production I left off. Students will continue to develop—skills to enable them to better communicate in the visual medium. Emphasis will be on refining the 3 steps of production and becoming a more efficient filmmaker. Sound design and production will be explored in further depth and applied to video projects. Projects will be developed for submission to the school broadcast and film festival entries. DVD and streaming technologies will be introduced. Careers in film and video production fields will be explored. The filmmaking skills acquired in this class will transfer to your personal media use, advanced post-secondary course work and the job market.

COURSE UNIT OUTLINE:

<u>Unit#</u>	<u>Unit Title/Topic</u>	<u>Hours</u>
1	History of Film and Media Literacy	5
2	The 3 Act Story and Screenwriting	20
3	Remote Sound Recording	10
4	Advanced Camera Operation- exposure control	10
5	The Documentary Film	20
6	Intermediate Editing	15
7	Careers in Film	5
8	Output for Web and DVD	5

History of Film - Early Sound Films

Who was John Ford?

How to view movies critically.

How to write a movie review.

Understand Copyright and how it applies to video produciton class.

PERFORMANCE ASSESSMENT(S)

Create Time line of Important events in Motion Pictures

Write a review of a movie.

Evaluate a series of video and music sources for copyright rules.

INDUSTRY STANDARDS

F- 8: Ethics and Legal Responsibilities

8.01 Exhibit ethical conduct in writing, creating, printing, broadcasting, and performing.

SP- 9: Demonstrate knowledge of the various types of video production.

ACADEMIC STANDARDS (EALR's and GLE's)

Standards: Communication

Communication 3.2: Uses media and other resources to support presentations.

3.3.1 Applies skills and strategies for the delivery of effective oral communication and presentations.

LEADERSHIP SKILLS

Leadership 1.0 Individual Skills

1.4 The student will be involved in activities that require applying theory, problem-solving, and using critical and creative thinking skills while understanding outcomes of related decisions.

Leadership 3.0 Community and Career Skills

3.1 The student will analyze the roles and responsibilities of citizenship.

EMPLOYABILITY SKILLS

SCANS 2.0 The student demonstrates interpersonal skills in working well with others.

2.4: Exercises Leadership

SCANS 3.0 The student acquires and uses information

3.1: Acquires and evaluates information

THINKING SKILLS			
✓ Observe □ Patterns □ Sequence □ Classify □ Compare/Constrast □ Predict ✓ Cause/Effect □ Fact/Opinion	 Main Idea Summary Point of View ✓ Analysis Finding Evidence Evaluation Detect Bias Inference 	 Conclusion Metacognition ✓ Reasoning Problem Solving Goal Setting Fluency Elaboration Flexibility 	☐ Originality ☐ Risking ☐ Inquisitiveness ☐ Attending ☐ Persistence ☐ Precision

ESSENTIAL QUESTIONS OR OBJECTIVES

Understand and apply the structure of a 3 act story to an original idea.

Follow the steps from story idea, to treatment and proposal, to draft to end up with a final shooting script.

Understand and demonstrate the proper formatting and use of a script editor.

Be able to identify and apply writing techniques for effective and engaging story telling: character building, dialogue, action, turning points, climax and conclusion.

PERFORMANCE ASSESSMENT(S)

Write a 3-6 page screenplay.

INDUSTRY STANDARDS

F-2: Communications

- 2.02 Communicate ideas to a range of audiences for different purposes.
- 2.04 Demonstrate writing skills necessary to convey messages through specific audio and visual media, e.g., scriptwriting, adaptations, journalism, reporting, etc.
- F- 9: Employability and Career Development
- 9.01 Demonstrate employability skills needed for successful job performance and satisfaction.
- CS- 6: Demonstrate writing processes for video and broadcast media.
- 6.01 Demonstrate writing products consistent with current journalistic practice.
- 6.02 Exhibit an understanding of how to develop a complete media project.
- 6.03 Understand the use of promotional materials, standard public service announcement, underwriting, commercials/ads, press kits, and advertising tags.

ACADEMIC STANDARDS (EALR's and GLE's)

Standards: Writing

Writing 1.1: Pre-writes to generate ideas and plan writing.

1.1.1 Analyzes and selects effective strategies for generating ideas and planning writing.

Writing 1.3: Revises to improve text.

1.3.1 Revises text, including changing words, sentences, paragraphs, and ideas.

Writing 2.2: Writes for different purposes.

2.2.1 Demonstrates understanding of different purposes for writing.

Writing 2.4: Writes for career applications.

2.4.1 Produces documents used in a career setting.

LEADERSHIP SKILLS

Leadership 1.0 Individual Skills

1.4 The student will be involved in activities that require applying theory, problem-solving, and using critical and creative thinking skills while understanding outcomes of related decisions.

Leadership 3.0 Community and Career Skills

3.1 The student will analyze the roles and responsibilities of citizenship.

EMPLOYABILITY SKILLS

SCANS 2.0 The student demonstrates interpersonal skills in working well with others.

2.1: Participates as a member of a team

SCANS 3.0 The student acquires and uses information

3.4: Uses computers to process information

THINKING SKILLS

Page 4 of 15

Observe	✓ Main Idea	☐ Conclusion	Originality
☐ Patterns	✓ Summary		Risking
☐ Sequence	☐ Point of View	✓ Reasoning	☐ Inquisitiveness
☐ Classify	☐ Analysis	✓ Problem Solving	Attending
☐ Compare/Constrast	☐ Finding Evidence	☐ Goal Setting	☐ Persistence
☐ Predict	☐ Evaluation	☐ Fluency	☐ Precision
✓ Cause/Effect	☐ Detect Bias	☐ Elaboration	
☐ Fact/Opinion	☐ Inference	☐ Flexibility	

How is sound recorded?

What is the function of a microphone?

How do you record dialogue for video?

What is the function of sound in storytelling?

Where do you find sound effects and music for projects?

PERFORMANCE ASSESSMENT(S)

Produce a 3-5 minute drama based on a screenplay

Produce a 1-2 minute silent film based on -"Mime Wars"

INDUSTRY STANDARDS

F- 5: Systems

- 5.04 Explore evidence of interdependence of the technical and the artistic sides of this career cluster.
- CS- 1: Apply knowledge of basic equipment and skills related to audio and video production.
- 1.01 Exhibit knowledge of the types of microphones, pick up patterns, and techniques required for a variety of audio presentations.
- 1.02 Apply knowledge of basic audio and video equipment for productions, including basic recording equipment, equalizers, mixing consoles, and quality monitoring equipment.
- 1.03 Exhibit knowledge of analog and digital for audio and video formats.
- 1.04 Illustrate the techniques required for synchronization of an audio with video and multiple sound tracks.
- 1.06 Demonstrate operation of audio and video production systems.
- 1.08 Demonstrate the use of computer-based development of audio and video production.
- 1.09 Demonstrate how to troubleshoot audio-video system operations
- SP- 5: Demonstrate the knowledge of audio to the production process
- 5.01 Apply knowledge of the properties of sound
- 5.02 Demonstrate operation of wired microphones
- 5.03 Demonstrate operation of wireless microphones
- 5.04 Demonstrate knowledge of audio control devices

ACADEMIC STANDARDS (EALR's and GLE's)

Standards: Arts

- 1.2 Develops arts skills and techniques.
 - Refines work based on feedback, self-reflection, and aesthetic criteria.

Arts 3.0 The student communicates through the arts.

3.1 Uses the arts to express and present ideas and feelings.

Standards: Communication

Communication 1.2: Understands, analyzes, synthesizes, or evaluates information from a variety of sources.

- 1.2.1 Evaluates effectiveness of and creates a personal response to visual and auditory information.
- 2.1.1 Analyzes the needs of the audience, situation, and setting to adjust language and other communication strategies.
- 2.2.1 Uses communication skills that demonstrate respect.

LEADERSHIP SKILLS

Leadership 1.0 Individual Skills

1.1 The student will analyze, refine, and apply decision-making skills through classroom, family, community, and business and industry (work related) experiences.

Leadership 1.0 Individual Skills

2.3 The student will analyze the complex responsibilities of the leader and follower and demonstrate the ability to both lead and follow.

EMPLOYABILITY SKILLS

SCANS 1.0 The student identifies, organizes, plans and allocates resources

1.1: Time - Selects goal-relevant activities, ranks them, allocates time, and prepares and follows schedules.

SCANS 2.0 The student demonstrates interpersonal skills in working well with others.

2.1: Participates as a member of a team

SCANS 4.0 The student understands complex systems and inter-relationships

4.1: Understands Systems - Knows how social, organizational, and technological systems work and operates effectively with them.

SCANS 5.0 The student works with a variety of technologies

5.1: Selects Technology - Chooses procedures, tools or equipment including computers and related technologies.

THINKING SKILLS			
✓ Observe □ Patterns □ Sequence □ Classify □ Compare/Constrast ✓ Predict ✓ Cause/Effect □ Fact/Opinion	Main Idea Summary Point of View Analysis Finding Evidence Evaluation Detect Bias Inference	 Conclusion Metacognition ✓ Reasoning ✓ Problem Solving Goal Setting Fluency Elaboration Flexibility 	✓ Originality ☐ Risking ☐ Inquisitiveness ☐ Attending ☐ Persistence ☐ Precision

What is the function of the manual controls of the video camera?

How does light get recorded on the DV camera?

How does the lenes effect the image on a DV Camera?

PERFORMANCE ASSESSMENT(S)

Create a 2-4 minute experimental film based on a poem or short story.

Camera treasure hunt

INDUSTRY STANDARDS

F- 10: Technical Skills

- 10.01 Demonstrate the use of technical knowledge and skills that relate to career strands in this cluster.
- CS- 1: Apply knowledge of basic equipment and skills related to audio and video production.
- 1.02 Apply knowledge of basic audio and video equipment for productions, including basic recording equipment, equalizers, mixing consoles, and quality monitoring equipment.
- 1.03 Exhibit knowledge of analog and digital for audio and video formats.
- 1.06 Demonstrate operation of audio and video production systems.
- 1.07 Demonstrate camera operations.
- 1.09 Demonstrate how to troubleshoot audio-video system operations
- SP- 2: Demonstrate knowledge and operation of the professional video camera.
- 2.01 Apply knowledge of the properties and function of camera lenses.
- 2.02 Apply knowledge of the principle of color to the production process.
- 2.03 Apply knowledge of the parts and function of the camera and camera mounting equipment.
- 2.04 Demonstrate knowledge of the parts and function viewfinder.
- SP- 6: Demonstrate knowledge of the video recording process.
- 6.01 Demonstrate knowledge of video recording equipment
- 6.02 Demonstrate knowledge of video recording media

ACADEMIC STANDARDS (EALR's and GLE's)

Standards: Arts

Arts 1.0 The student understands and applies arts knowledge and skills.

- 1.1 Understands and applies arts concepts and vocabulary.
- 1.2 Develops arts skills and techniques.

Arts 2.0 The student demonstrates thinking skills using artistic processes.

- 2.1. Applies a creative process in the arts (dance, music, theatre and visual arts):
 - Implements choices of arts elements, principles, foundations, skills, and techniques in a creative work.

Standards: Communication

Communication 1.2: Understands, analyzes, synthesizes, or evaluates information from a variety of sources.

1.2.1 Evaluates effectiveness of and creates a personal response to visual and auditory information.

Communication 2.2: Uses interpersonal skills and strategies in a multicultural context to work collaboratively, solve problems, and perform tasks.

2.2.1 Uses communication skills that demonstrate respect.

LEADERSHIP SKILLS

Leadership 1.0 Individual Skills

1.1 The student will analyze, refine, and apply decision-making skills through classroom, family, community, and business and industry (work related) experiences.

1.6 The student will conduct self in a professional manner in practical career applications, organizational forums, and decision-making bodies.

Leadership 1.0 Individual Skills

2.3 The student will analyze the complex responsibilities of the leader and follower and demonstrate the ability to both lead and follow.

EMPLOYABILITY SKILLS

SCANS 1.0 The student identifies, organizes, plans and allocates resources

- 1.1: Time Selects goal-relevant activities, ranks them, allocates time, and prepares and follows schedules.
- 1.3: Materials and facilities Acquires, stores, allocates, and uses materials or space efficiently.

SCANS 2.0 The student demonstrates interpersonal skills in working well with others.

2.1: Participates as a member of a team

SCANS 4.0 The student understands complex systems and inter-relationships

4.1: Understands Systems - Knows how social, organizational, and technological systems work and operates effectively with them.

SCANS 5.0 The student works with a variety of technologies

5.1: Selects Technology - Chooses procedures, tools or equipment including computers and related technologies.

THINKING SKILLS			
 ✓ Observe Patterns Sequence Classify Compare/Constrast ✓ Predict ✓ Cause/Effect Fact/Opinion 	 Main Idea Summary Point of View Analysis Finding Evidence Evaluation Detect Bias Inference 	 □ Conclusion □ Metacognition ✔ Reasoning ✔ Problem Solving □ Goal Setting □ Fluency □ Elaboration □ Flexibility 	✓ Originality ☐ Risking ☐ Inquisitiveness ☐ Attending ☐ Persistence ☐ Precision

What is the definition of a documentary?

What are the different elements that make a documentary?

Describe the different styles of documentary film making.

Understand the different camera and editing techniques involved in documentary film making.

PERFORMANCE ASSESSMENT(S)

Create a 4-12 minute documentary.

INDUSTRY STANDARDS

F-2: Communications

- 2.01 Apply listening skills to identify, clarify and incorporate new knowledge into communication skills.
- 2.02 Communicate ideas to a range of audiences for different purposes.
- 2.06 Research ideas using a range of modalities to express and clarify ideas.
- F-7: Leadership and Teamwork
- 7.01 Apply leadership knowledge and skills to achieve group goals.
- CS- 5: Demonstrate writing processes used for video and broadcast journalism.
- 5.02 Examine/cultivate sources for stories.
- 5.03 Conduct research to gain information to use in writing a story.
- 5.04 Write stories for broadcast.
- 5.05 Demonstrate how videography supports the development of stories.
- CS- 7: Demonstrate the ability to plan and deliver video and broadcast productions.
- 7.01 Write a plan based on format and production assignment, including script, budget, storyboard, location, number of cameras, and time restrictions.
- 7.05 Exhibit awareness of production functions.
- 7.07 Exhibit awareness of how image capturing and graphics design support the development of electronic presentations.

ACADEMIC STANDARDS (EALR's and GLE's)

Standards: Arts

Arts 1.0 The student understands and applies arts knowledge and skills.

1.4 Understands and applies audience conventions in a variety of arts settings and performances.

Arts 2.0 The student demonstrates thinking skills using artistic processes.

- 2.1. Applies a creative process in the arts (dance, music, theatre and visual arts):
 - Identifies audience and purpose.
 - Uses ideas, foundations, skills and techniques to develop dance, music, theatre and visual art.
 - Presents work to others in a performance, exhibition, and/or production.

Arts 3.0 The student communicates through the arts.

3.2 Uses the arts to communicate for a specific purpose.

Arts 4.0 The student makes connections within and across the arts to other disciplines, life, cultures and work.

- 4.2. Demonstrates and analyzes the connections between the arts and other content areas.
- 4.4. Understands how the arts influence and reflect culture/civilization, place and time.

Standards: Communication

Communication 1.1: Uses listening and observation skills and strategies to focus attention and interpret information.

1.1.1 Applies a variety of listening strategies to accommodate the listening situation.

Communication 1.2: Understands, analyzes, synthesizes, or evaluates information from a variety of sources.

1.2.2 Evaluates the effect of bias and persuasive techniques in mass media.

Communication 2.3: Uses skills and strategies to communicate interculturally.

2.3.1 Analyzes the influence of cultural principles, beliefs, and world views on intercultural communication.

Standards: Writing

Writing 1.1: Pre-writes to generate ideas and plan writing.

Writing 1.3: Revises to improve text.

1.3.1 Revises text, including changing words, sentences, paragraphs, and ideas.

Writing 1.6: Adjusts writing process as necessary.

1.6.2 Uses collaborative skills to adapt writing process.

Writing 2.1: Adapts writing for a variety of audiences.

2.1.1 Applies understanding of multiple and varied audiences to write effectively.

Writing 2.2: Writes for different purposes.

2.2.1 Demonstrates understanding of different purposes for writing.

Writing 2.3: Writes in a variety of forms/genres.

2.3.1 Uses a variety of forms/genres.

LEADERSHIP SKILLS

Leadership 1.0 Individual Skills

1.3 The student will demonstrate oral, interpersonal, written, and electronic communication and presentation skills and understands how to apply those skills.

Leadership 1.0 Individual Skills

2.3 The student will analyze the complex responsibilities of the leader and follower and demonstrate the ability to both lead and follow.

Leadership 3.0 Community and Career Skills

3.2 The student will demonstrate social responsibility in family, community, and business and industry.

EMPLOYABILITY SKILLS

SCANS 1.0 The student identifies, organizes, plans and allocates resources

1.1: Time - Selects goal-relevant activities, ranks them, allocates time, and prepares and follows schedules.

SCANS 2.0 The student demonstrates interpersonal skills in working well with others.

- 2.1: Participates as a member of a team
- 2.4: Exercises Leadership

SCANS 5.0 The student works with a variety of technologies

5.1: Selects Technology - Chooses procedures, tools or equipment including computers and related technologies.

THINKING SKILLS			
 ✓ Observe □ Patterns ✓ Sequence □ Classify ✓ Compare/Constrast □ Predict □ Cause/Effect ✓ Fact/Opinion 	 ✓ Main Idea ☐ Summary ☐ Point of View ☐ Analysis ✓ Finding Evidence ✓ Evaluation ☐ Detect Bias ☐ Inference 	 Conclusion Metacognition Reasoning ✓ Problem Solving Goal Setting Fluency Elaboration Flexibility 	 ✔ Originality ☐ Risking ✔ Inquisitiveness ☐ Attending ☐ Persistence ☐ Precision

ESSENTIAL QUESTIONS OR OBJECTIVES

How do you apply effects to clips in the timeline?

Understand how and when to use different types of transitions in a project.

What is the difference between a J and L cut and when do you use them?

What is a match cut/ cutting on action.

Use the wave form of the audio track to cut to the beat of music.

PERFORMANCE ASSESSMENT(S)

Create a music video.

INDUSTRY STANDARDS

- F-2: Communications
- 2.02 Communicate ideas to a range of audiences for different purposes.
- SP- 3: Apply knowledge of the principles of composition to the production process
- 3.01 Demonstrate knowledge of static and dynamic composition guidelines
- 3.02 Demonstrate knowledge of graphics and motion
- SP- 7: Demonstrate knowledge of editing
- 7.01 Demonstrate knowledge of non-linear editing and computer program manipulation techniques
- 7.02 Demonstrate knowledge of editing aesthetics

ACADEMIC STANDARDS (EALR's and GLE's)

Standards: Arts

Arts 1.0 The student understands and applies arts knowledge and skills.

- 1.1 Understands and applies arts concepts and vocabulary.
- 1.2 Develops arts skills and techniques.

Arts 2.0 The student demonstrates thinking skills using artistic processes.

- 2.1. Applies a creative process in the arts (dance, music, theatre and visual arts):
 - Implements choices of arts elements, principles, foundations, skills, and techniques in a creative work.

Arts 3.0 The student communicates through the arts.

- 3.1 Uses the arts to express and present ideas and feelings.
- 3.2 Uses the arts to communicate for a specific purpose.
- 3.3. Develops personal aesthetic criteria to communicate artistic choices.

Arts 4.0 The student makes connections within and across the arts to other disciplines, life, cultures and work.

4.5. Understands how arts knowledge and skills are used in the world of work including careers in the arts.

Standards: Communication

Communication 1.1: Uses listening and observation skills and strategies to focus attention and interpret information.

1.1.1 Applies a variety of listening strategies to accommodate the listening situation.

Communication 3.2: Uses media and other resources to support presentations.

3.2.1 Proficiency in this GLE is expected at grade 7.

Communication 3.3: Uses effective delivery.

3.3.1 Applies skills and strategies for the delivery of effective oral communication and presentations.

LEADERSHIP SKILLS

Leadership 1.0 Individual Skills

1.5 The student will demonstrate self-advocacy skills by achieving planned, individual goals.

Leadership 1.0 Individual Skills

2.3 The student will analyze the complex responsibilities of the leader and follower and demonstrate the ability to both lead and follow.

EMPLOYABILITY SKILLS

SCANS 1.0 The student identifies, organizes, plans and allocates resources

1.1: Time - Selects goal-relevant activities, ranks them, allocates time, and prepares and follows schedules.

SCANS 2.0 The student demonstrates interpersonal skills in working well with others.

2.5: Negotiates

SCANS 3.0 The student acquires and uses information

3.3: Interprets and communicates information

SCANS 5.0 The student works with a variety of technologies

5.2: Applies Technology to Task - Understands overall intent and proper procedures for setup and operation of equipment.

THINKING SKILLS			
 ✓ Observe ✓ Patterns ✓ Sequence Classify Compare/Constrast Predict ✓ Cause/Effect Fact/Opinion 	✓ Main Idea ☐ Summary ☐ Point of View ☐ Analysis ☐ Finding Evidence ☐ Evaluation ☐ Detect Bias ☐ Inference	 □ Conclusion □ Metacognition ✔ Reasoning ✔ Problem Solving □ Goal Setting □ Fluency □ Elaboration □ Flexibility 	✓ Originality ☐ Risking ☐ Inquisitiveness ☐ Attending ✓ Persistence ☐ Precision

ESSENTIAL QUESTIONS OR OBJECTIVES

What careers are available in the media field?

What are the requirements and responsibilities of a career in the media field?

PERFORMANCE ASSESSMENT(S)

Research and present a poster on a career in video/film production.

INDUSTRY STANDARDS

F- 9: Employability and Career Development

9.02 Analyze career opportunities, skills required for various careers in this cluster, work-securing processes, and continued career development.

ACADEMIC STANDARDS (EALR's and GLE's)

Standards: Communication

Communication 3.1: Uses knowledge of topic/theme, audience, and purpose to plan presentations.

3.1.1 Applies skills to plan and organize effective oral communication and presentation.

Communication 3.2: Uses media and other resources to support presentations.

3.2.1 Proficiency in this GLE is expected at grade 7.

Communication 3.3: Uses effective delivery.

3.3.1 Applies skills and strategies for the delivery of effective oral communication and presentations.

LEADERSHIP SKILLS

Leadership 1.0 Individual Skills

1.5 The student will demonstrate self-advocacy skills by achieving planned, individual goals.

Leadership 1.0 Individual Skills

2.1 The student will communicate, participate, and advocate effectively in pairs, small groups, teams, and large groups in order to reach common goals.

EMPLOYABILITY SKILLS

SCANS 1.0 The student identifies, organizes, plans and allocates resources

1.1: Time - Selects goal-relevant activities, ranks them, allocates time, and prepares and follows schedules.

SCANS 3.0 The student acquires and uses information

3.1: Acquires and evaluates information

THINKING SKILLS			
☐ Observe ☐ Patterns ☐ Sequence ☐ Classify ☑ Compare/Constrast ☐ Predict ☐ Cause/Effect ☐ Fact/Opinion	 ✓ Main Idea ✓ Summary Point of View Analysis ✓ Finding Evidence Evaluation Detect Bias Inference 	Conclusion Metacognition Reasoning Problem Solving Goal Setting Fluency Elaboration Flexibility	☐ Originality ☐ Risking ☐ Inquisitiveness ☐ Attending ☐ Persistence ☐ Precision

ESSENTIAL QUESTIONS OR OBJECTIVES

Use software to create a DVD.

Understand the concept of compression.

Understand file formats for DVD and web distortion.

PERFORMANCE ASSESSMENT(S)

Create a DVD with Menus. Export video to video sharing site such as YouTube or Vimeo.

INDUSTRY STANDARDS

F- 10: Technical Skills

- 10.01 Demonstrate the use of technical knowledge and skills that relate to career strands in this cluster.
- 10.02 Demonstrate knowledge of the systems within various career strands in this cluster.
- CS- 7: Demonstrate the ability to plan and deliver video and broadcast productions.
- 7.07 Exhibit awareness of how image capturing and graphics design support the development of electronic presentations.
- 7.09 Demonstrate understanding of the business and economic factors that influence programming content, sales, distribution and promotion.

ACADEMIC STANDARDS (EALR's and GLE's)

Standards: Communication

Communication 3.3: Uses effective delivery.

3.3.1 Applies skills and strategies for the delivery of effective oral communication and presentations.

Standards: Algebra 1

Algebra 1.2 Core Content: Numbers, expressions, and operations

1.2.D Determine whether approximations or exact values of real numbers are appropriate, depending on the context, and justify the selection.

Algebra 1.6 Core Content: Data and Distributions

1.6.A Use and evaluate the accuracy of summary statistics to describe and compare data sets.

LEADERSHIP SKILLS

Leadership 1.0 Individual Skills

1.1 The student will analyze, refine, and apply decision-making skills through classroom, family, community, and business and industry (work related) experiences.

EMPLOYABILITY SKILLS

SCANS 1.0 The student identifies, organizes, plans and allocates resources

1.1: Time - Selects goal-relevant activities, ranks them, allocates time, and prepares and follows schedules.

SCANS 4.0 The student understands complex systems and inter-relationships

4.1: Understands Systems - Knows how social, organizational, and technological systems work and operates effectively with them

SCANS 5.0 The student works with a variety of technologies

5.2: Applies Technology to Task - Understands overall intent and proper procedures for setup and operation of equipment.

THINKING SKILLS

Page 15 of 15

Observe	☐ Main Idea	☐ Conclusion	☐ Originality
✓ Patterns	☐ Summary		Risking
Sequence	☐ Point of View	✓ Reasoning	Inquisitiveness
☐ Classify	☐ Analysis	✓ Problem Solving	Attending
✓ Compare/Constrast	☐ Finding Evidence	☐ Goal Setting	☐ Persistence
☐ Predict	☐ Evaluation	Fluency	☐ Precision
✓ Cause/Effect	☐ Detect Bias	☐ Elaboration	
☐ Fact/Opinion	☐ Inference	☐ Flexibility	