

STRANDS AND STANDARDS

DIGITAL AUDIO 2



Course Description

This course is designed to provide students with the basic knowledge and skills related to audio broadcasting and production with the focus being Radio and Podcasting. Students will create audio programming intended to be distributed through traditional radio, online radio, or distributed through podcasting.

Intended Grade Level	10-12
Units of Credit	0.5
Core Code	40.01.00.00.045
Concurrent Enrollment Core Code	N/A
Prerequisite	Digital Audio 1
Skill Certification Test Number	817
Test Weight	0.5
License Area of Concentration	CTE and/or Secondary Education 6-12
Required Endorsement(s)	
Endorsement 1	Audio Video Production

STRAND 1

Students will identify and explain the history of radio and the regulation of audio broadcasting.

Standard 1

Identify and explain the historical import of the following:

- FM v AM
 - Marconi
- ASCAP
- BMI
- Community Standards
- Podcasting

Standard 2

Identify the media regulators and the differences in regulation for each distribution platform.

- Federal Communications Commission (FCC)
- Commercial Radio
- Non-Commercial Radio
- Satellite radio
- Public Broadcasting
- Podcasting

STRAND 2

Students will demonstrate correct use of audio recording equipment and develop a recording workflow.

Standard 1

Demonstrate Digital Audio Workstation (DAW) workflow.

- File management
- Create project
- Import audio files
- Manage multiple sources/tracks of audio
- Export audio
- Export types (MP3, AIF, WAV)
- When to use Phantom Power – 48 volts

Standard 2

Identify elements of audio.

- Amplitude (Volume)
- Frequency (Pitch)
- Panning
- Decibel
- VU Meter
- Clipping
- Threshold
- Reverb
- High Pass
- Low Pass
- EQ

Standard 3

Review different microphone pickup patterns.

- Omnidirectional
- Bidirectional
- Unidirectional
- Cardioid
- Hypercardioid

Standard 4

Review various types of audio cables and connectors.

- $\frac{1}{4}$ "
- $\frac{1}{8}$ "
- RCA
- MIDI
- XLR
- TRS
- TS
- Balanced
- Unbalanced

Standard 5

Review different microphone diaphragm types (Transducers).

- Condenser
 - Phantom Power
- Dynamic
- Ribbon
- Lavalier
- Shotgun
- Handheld

STRAND 3

Students will identify the difference between commercial and non-commercial broadcasting.

Standard 1

Identify and explain the following commercial and non-commercial broadcasting:

- Commercial
- Underwriting
- Public Service Announcement (PSA)
- News / Opinion Writing
- Emergency Broadcasting Announcement

Standard 2

Students will produce commercial and non-commercial programming.

- Create a promo for a commercial podcast or radio program.
- Create a promo for a non-commercial podcast or radio program.

Standard 3

Students will create a radio show or podcast.

- Show or episode planning.
- Blocking individual show or episode.

STRAND 4

Students will develop show management and broadcasting skills.

Standard 1

Students will develop their voice.

- Identify and develop a “voice” or “style” for all forms of media.

Standard 2

Identify and demonstrate storytelling skill.

- The 4 P’s of Story Telling.
 - People
 - Place
 - Plot
 - Purpose
- Storytelling in live format.
- Storytelling in pre-recorded or podcast format.

Standard 3

Students will develop and practice interview skills.

- Research topic or background of interviewee.
- Prepare appropriate questions.
- Maintain a conversation.
- Edit interview while maintaining accuracy and correct context.

STRAND 5

Students should collaborate and produce different types of audio.

Standard 1

Publication Selection: Students will identify the proper distribution outlet that is best suited for their content.

- YouTube
- SoundCloud
- Twitch
- TikTok
- Instagram
- Snapchat
- iTunes
- TV
- FM Radio
- AM Radio
- Vimeo
- Other

Standard 2

Based on classroom resources, students should select a distribution platform and collaborate to produce one or several of the following:

- Produce a regular radio show
- Produce a season of live sports broadcasts
- Produce a multiple episode podcast
- Produce a series of related video blogs
- Produce the audio and soundtrack for a film
- Produce a studio album or EP
- Produce a live music concert

STRAND 6

Students will be able to understand and obey basic copyright laws applicable to all media.

Standard 1

Define copyright.

Standard 2

Understand copyright in the age of YouTube.

Standard 3

Practice correct usage of copyright laws.

- Right to reproduce, manipulate and distribute
- Plagiarism
- Fair Use
- Public Domain

STRAND 7

Students will understand the importance of career readiness skills and participate in a related CTSO.

Standard 1

- Plan for your future career.
- Identify the components of an employment portfolio.
- Complete a survey for employment opportunities.
- Create a job application.
- Assemble your employment portfolio.
- Interview someone who is working in your field of interest.

Performance Skills

Students can develop a voice or style of broadcasting, plan and develop a show or podcast, conduct an interview, and consistently publish episodes or broadcast a radio show.

Workplace Skills

The following workplace skills should be discussed, taught, and re-enforced in the course:

- Communication
- Teamwork
- Critical and Creative Thinking
- Problem Solving
- Dependability
- Legal requirements and Expectations

Skill Certificate Test Points by Strand

Test Name	Test #	Number of Test Points by Strand										Total Points	Total Questions
		1	2	3	4	5	6	7	8	9	10		
Digital Audio 2	817	7	13	4	2	2	2	4				34	27