

Objective 105.01

Understand concepts used to create digital audio.



Course Weight : 4%



ExplorNet CareerTech

from The Centers for Quality Teaching and Learning



Digital Audio

Sound that has been captured, created, or edited electronically by a computer

- ✓ Analog (non-digital) audio sources are converted to a digital format by a process called sampling. **Sampling reproduces a sound wave by recording many fragments of it.**
- ✓ In media production, sound and music are crucial to helping to establish moods and create environments.



Channel Number

The amount of individual audio channels used during playback

- **Monaural (Mono)**
all sources of audio play out of one single channel
- **Stereophonic (Stereo)**
audio sources can be separated into two different channels (left and right)
- **Surround Sound**
multiple audio channels; usually 5-7 separate channels

The more channels of audio, the more realistic the sound



Streaming Audio

- ✓ Transmitting audio files that can begin playing over the Internet as the remaining data is still being downloaded
- ✓ Creates little to no wait time to begin hearing the audio file
- ✓ Example websites that use streaming audio technology include *Pandora*, *Spotify*, *Grooveshark*, etc.

