

Evaluation in Digital Audio

Basic Concepts



ExplorNet CareerTech

from The Centers for Quality Teaching and Learning





Evaluation in Digital Audio

❖ Jobs Available in Digital Audio

- Digital Audio Broadcasting
- Digital Audio Editor
- Digital Engineer
- Audio Production Specialist





Evaluation in Digital Audio

❖ Digital Audio Broadcasting:

- Digital radio technology for broadcasting radio stations
- Approximately 1,000 stations broadcast in the Digital Audio Broadcasting format worldwide
- Originated in the 1980s
- An updated format called DAB+ was created in 2007





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❖ Job in Digital Audio Broadcasting:

- A program presenter on television or radio
- A sports commentator on television or radio
- A broadcaster – someone responsible for the production of radio and television programs and/or their transmission





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❖ Digital Audio Editor:

- A person responsible for using a computer application for audio editing – manipulation or audio
- They commonly work at a digital audio workstation with others
- Work for television, radio, marketing, advertisement and other popular agencies





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❖ Audio Engineer:

- An exceptionally skilled trade where the use of machinery and equipment for the recording, mixing, and reproduction of sounds is used
- An audio engineer can include work in many different areas including electronics, acoustics, psychoacoustics, and music
- Audio engineers have to be well versed and continually educated in all aspects of audio equipment





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❖ Audio Production Specialist:

- An audio production specialist is simply someone who produces audio
- This can include anything from sound effects, music and voice-overs
- An audio production specialist can work for television, motion picture films, video games, radio and marketing and advertisement agencies





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- ❖ Personal attributes that will help make you successful (depending on specialty):
 - Technical knowledge
 - Understanding of the production process
 - Attention to detail
 - Ability to distinguish between tonal values





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❖ Personal Attribute – Technical Knowledge:

- To have a career in digital audio, you need to have a varying amount of specialized technical knowledge:
 - Sound manipulation technology
 - Digital audio editor software
 - Audio converter
 - Data storage options
 - Digital audio recording devices
 - Microphones
 - Speakers





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❖ Personal Attribute – Understanding of the Production Process:

- To have a career in digital audio, you need to have an understanding of your company's production process
- This production process varies, but it involves:
 - What work you do on a project
 - Who you work with
 - What those you work with do with the project once you work on it
 - Where the project goes from there





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❖ Personal Attribute – Attention to Detail:

- To have a career in digital audio, you need to have a great attention to detail
 - Gaps in sequences of audio
 - Quality of the audio
 - Need to know what technologies would be best to record the audio you need
 - Need to know when audio is appropriate and when it is not
 - Need to have the appropriate audio with the appropriate situation





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- ❖ Personal Attributes – ability to distinguish between tonal values:
 - To have a career in digital audio, you need to be able to distinguish between tonal values – simply, that you aren't tone deaf
 - You cannot be skilled in a career of digital audio if you are hard of hearing, have difficulty distinguishing between tonal values, or if you are completely deaf





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- ❖ Personal Attributes – ability to distinguish between tonal values (cont.):
 - You need to be able to have completely crisp hearing in order to sync the appropriate audio to the appropriate action that you are representing in your works

