

Essential Question

What is it like to work as an Audio Engineer?

Vocabulary

- **Acoustics:** the science of sound and how it behaves in different spaces
- **Frequency:** the pitch of a sound, measured in Hertz (Hz)
- **Amplitude:** the loudness or volume of a sound
- **Microphone:** a device that converts sound into electrical signals
- **Interface:** hardware connecting instruments and mics to a computer
- **Sound Engineer:** general term for someone who records, mixes, or masters audio
- **Producer:** oversees artistic and technical aspects of a recording
- **Tracking:** recording individual instruments or voices

Before Viewing

Have students jot down answers to the following questions:

- What does it mean to be an Audio Engineer?
- What are the job duties of an Audio Engineer?
- What is the typical work environment of an Audio Engineer?
- What tools are used by an Audio Engineer to do his/her daily tasks?
- What is the education required to be an Audio Engineer?
- What are the skills necessary for being an Audio Engineer?

While Viewing

Have students think about the “Before Viewing” questions and write down the correct answers

After Viewing Activities

Have students discuss in pairs or small groups their answers to the “Before Viewing Questions.”

The Careers That Work collection contains various activities for each featured career.

Grades 4-7

Career Information Worksheet

Crossword Puzzle

Use these activities to stimulate discussion around the Audio Engineer career.

Grades 8-12

Career Presentation

Divide your class into groups and ask them to present on the Audio Engineer career.