

# Sound Engineering & Design

Level 3: Student explored previously; second pathway specific course

Pathway(s): Production and Managerial Arts

## Description

Explores the steps in audio production following the initial sound capture and overdubbing of sound. Key concepts include sound design, mixing, and addition of effects. Integration of music with pictures is also discussed, and key concepts such as automatic dialogue replacement, foley, score, and voiceover recording are covered.

## Student Learning Outcomes

- 1) Analyze the principles of equalization and dynamics processing.
- 2) Examine the audio mixing process in the context of historic methods and current common practices.
- 3) Analyze the role of sound design in the recording process and use creative sound design for evocative, emotive, and dramatic purposes.
- 4) Discuss the differences between digital and analog recording media.
- 5) Employ non-linear editing software to create composite performances, to correct performance mistakes, and for creative purposes.
- 6) Produce editing and mixing projects according to provided guidelines.
- 7) Examine Automated Dialog Replacement (ADR) and its integration into multimedia, film, and video projects.
- 8) Collect and archive materials in a portfolio of work.