

Audio Recording and Production 12

Unifying Concepts

- A. Students acquire a broad understanding of the background and issues related to audio recording and production.
- B. Students develop skills in the processes of creating recordings and providing support for live sound events.
- C. Students design and manipulate recordings to create a variety of finished products.
- D. Students design, plan, and complete a recording project that synthesizes the audio recording and production skills they have acquired.

Specific Curriculum Outcomes

Students will be expected to

Module 1: Principles of Sound

- 1.1 demonstrate an understanding of the language of electronics as it relates to audio
- 1.2 explore recordings in a critical manner using musical and recording terminology and techniques
- 1.3 determine the acoustic characteristics of a wide range of sound sources and environments
- 1.4 demonstrate an understanding of the evolution of recording technology and its impact on culture
- 1.5 demonstrate an understanding of hearing, audio safety, and general workplace safety as it pertains to the recording and live sound reinforcement industries
- 1.6 explore various music and recording industry career paths in audio production

Module 2: Technology and Sound (Capture)—Machines, Mics, and Connections

- 2.1 demonstrate an understanding of recording procedures for a wide variety of live and recorded situations
- 2.2 demonstrate an understanding of basic sound system components including cabling, mixing boards, amplifiers, main speakers, monitors, and communication systems
- 2.3 design and set up a variety of sound systems for various applications including live performance and recording
- 2.4 work co-operatively with organizations in the school and community that can benefit from live sound reinforcement or recording services

Module 3: Audio Production and Manipulation

- 3.1 manage acoustic environments using equalization
- 3.2 apply techniques of signal and dynamic processing
- 3.3 apply the techniques of editing to an audio recording
- 3.4 apply the techniques of mixing and mastering to an audio recording
- 3.5 demonstrate an understanding of MIDI

Module 4: Collaborative Project and Personal Portfolio

- 4.1 analyze and develop a project plan, including the definition, scope, roles, resources, steps, and deadlines for a solution
- 4.2 demonstrate the collaborative skills and behaviours required to work with others
- 4.3 identify, locate, and evaluate information, resources and equipment to build and deploy a solution
- 4.4 test, refine, and present the solution
- 4.5 reflect on the solution, process, and learning