

Unit 5: Electronic Ensembles: Tips & Tricks

Music Technology

10 Class Meetings

Created May 2021

Essential Questions

- How do we discern the musical creators' and performers' expressive intent?
- How do musicians make meaningful connections to creating, performing, and responding?
- How can music composition and performance evolve with the use of technology?

Enduring Understandings with Unit Goals

EU 1: Musicians connect their personal interests, experiences, ideas, and knowledge to creating, performing, and responding..

- Relate new terms and skills to common terminology or actions.
- Discover new technology commonly used in electronic ensembles.

EU 2: Musical performance and composition can evolve in many different ways with the use of technology.

- Develop an electronic ensemble set up with various equipment.
- Compare and contrast equipment used by popular recording artists.

Standards

Common Core State Standards:

- **HSN.RN.B.3:** Explain why the sum or product of two rational numbers is rational; that the sum of a rational number and an irrational number is irrational; and that the product of a nonzero rational number and an irrational number is irrational.
- **HSA.SSE.A.1.A:** Interpret parts of an expression, such as terms and coefficients.
- **HSA.CED.A.1:** Create equations in one variable and use them to solve problems.
- **HSA.CED.A.2:** Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.
- **HSA.REI.A.1:** Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.
- **ELA-Literacy.RST.9-10.7:** Translate quantitative or technical information expressed in words in a text into visual form and translate information expressed visually or mathematically into words.

Unit 5: Electronic Ensembles: Tips & Tricks
Music Technology
10 Class Meetings

Created May 2021

ISAAC Vision of the Graduate Competencies

- Competency 1:** Write effectively for a variety of purposes.
Competency 2: Speak to diverse audiences in an accountable manner.
Competency 3: Develop the behaviors needed to interact and contribute with others on a team.
Competency 4: Analyze and solve problems independently and collaboratively.
Competency 5: Be responsible, creative, and empathetic members of the community.

Unit Content Overview

1. Electronic Ensembles

- Create a small recording studio
- Evaluate the importance of various equipment
- **Vocabulary-** Electronic Ensemble, Studio, Equipment, pioneer,

2. Recording Technology

- Produce recorded sounds with new technology
- Create a manual for using recording technology
- **Vocabulary-** Record, Sequencing, Quantize, Synthesizer, Resonance, Equalization, Balance, Programming, Coding, Performance

Interdisciplinary Connection:

- Language Arts – Reading Comprehension
- Social Studies – World History
- Science – Engineering

Daily Learning Objectives with *Do Now* Activities

Students will be able to...

- Identify components that make up an electronic ensemble.
- Discover the history and evolution of electronic ensembles.
- Compare and contrast different equipment that is used in electronic ensembles and recording studios.
- Relate terminology with physical equipment.
- Compose a brief melody using the sequencing technique.
- Generate various sounds and musical ideas through recording technology.
- Collect key aspects of an electronic ensembles.
- Design a beginner’s manual for new electronic ensemble members.**
- Explain aspects of beginner’s manual through presentation.

Unit 5: Electronic Ensembles: Tips & Tricks

Music Technology

10 Class Meetings

Created May 2021

Instructional Strategies/Differentiated Instruction

- Lectures with notes
- Guided notes
- Student-led instruction
- Independent problem-solving
- Collaborative problem-solving
- Cross-curricular problem solving (independent and collaborative)
- Accountable Talk
- Homework

EL Strategies

- Word walls
- TWPS (Think, write, pair, share)
- Pre-reading strategies
- Culturally responsive teaching
- Explicit modeling
- Key Vocabulary
- Graphic organizers
- Strategic grouping
- Non-verbal Assessments

Assessments

FORMATIVE ASSESSMENTS:

- Warm-ups (SBAC)
- ABCD Cards
- Whiteboards
- Mid-class check-ins
- Exit Slips
- Accountable Talk Discussions
- Do Now
- Student-led instruction
- Homework
- Electronic Music for Dummies Performance Task
 - Future Rubric Assessment in 2021-2022

SUMMATIVE ASSESSMENTS:

- Unit Test - EU 1
- Electronic Music for Dummies Performance Task

Unit 5: Electronic Ensembles: Tips & Tricks

Music Technology

10 Class Meetings

Created May 2021

Unit Task

Unit Task Name: Electronic Music for Dummies- Performance Task

Description: Students will use information learned in this unit to create a manual for new electronic ensemble and electronic music beginners. This manual will incorporate key terminology and personal experiences for reader's interpretation, among other tips and instructions the student feels are important for a new electronic musician. (EU1) In addition, the manual will include a brief history of electronic music and ensembles over time. (EU2)

Evaluation: Summative Assessment and Future Rubric in 2021-2022 school year

Unit Resources

- Flipped Google Classroom Videos
- Worksheets
- Laptops
- SBAC Prep Online
- Digital Audio Workstation
- Audio Interfaces
- MIDI Keyboards
- Electronic Instruments
- Microphones
- Google Arts and Culture
- Edulastic