

Pequannock Township School District

Curriculum Syllabus

Music Technology / Grade 8

Course Description:

Students will be introduced to how computers and music software work together for recording and composing live and synthesized sounds. By focusing on a variety of projects and experimenting with this technology, students will be able to create music, gain knowledge in keyboard and computer skills, understand the importance of reading music and gain a respect for music's place in our lives.

Course Proficiencies:

The following is a list of proficiencies that describe what students are expected to know and be able to do as a result of successfully completing this course. The following proficiencies are the basis of the assessment of student achievement. The learner will demonstrate mastery of:

1. **The Creative Process** - All students will demonstrate an understanding of the elements and principles that govern the creation of works of art in dance, music, theatre, and visual art. 1.1.8.A., 1.1.8.B, 1.1.8.C, 1.1.8.D
2. **Performance** - All students will synthesize those skills, media, methods, and technologies appropriate to creating, performing, and/or presenting works of art in dance, music, theatre, and visual art. 1.3.8.A., 1.3.8.B, 1.3.8.C, 1.3.8.D
3. **Aesthetic Responses & Critique Methodologies** - All students will demonstrate and apply an understanding of arts philosophies, judgment, and analysis to works of art in dance, music, theatre, and visual art. 1.4.8.A., 1.4.8.B
4. **21st-Century Life & Career Ready Practices** – Describes the career-ready skills that all educators in all content areas should seek to develop in their students. They are practices that have been linked to college, career and life success. CRP1, CRP2, CRP4, CRP6 , CRP8, CRP11, CRP12.

5. **Educational Technology:** All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.
8.1.8.A.3 8.1.8.A.1

Scope and Sequence

Unit 1 - Audio Files and Loops - Trimester 1

Students will be able to develop an understanding of audio music sequencing software and will be able to organize audio clips, loops, and make loops from audio clips.

Unit 2 - Basic Midi, Soft Synthesizers, Samples - Trimester 2

Students will be able to understand the characteristics of sound, how sound is created and produced electronically, and be able to use basic recording techniques.

Unit 3 - Basic Audio/Digital Recording Techniques - Trimester 2

Students will be able to develop, organize, and sequence live audio clips. Students will be able to use technology and recording techniques to record live audio sounds and clips.

Unit 4 - Mixing Live Audio, Midi, and Prerecorded Tracks - Trimester 3

Students will be able to integrate, import, and organize various sound files. Students will record live sounds and add them to recorded files by recording, importing, and organizing these sounds into a finished product.

Assessments

Evaluation of student achievement in this course will be based on the following:

- Opening and organizing pre-recorded audio clips and loop files into compositions.
- Students will demonstrate ability to sequence, quantize, copy, and paste rhythms, sounds, voices and incorporate blues progressions.
- Record, organize, mix, and sequence live audio using appropriate technology and techniques.
- Students will record, import, and organize sounds into a finished project.

Curriculum Resources

Anchor Programs/Teacher Materials

Instructional Resources:

- Computers
- Music software
- Rubrics/project assignments

Technology Resources:

- Music technology (Sonar, Logic Pro, Pro Tools)
- Garage Band
- Sibelius
- Inside Music

Home and School Connection

The following are suggestions and/or resources that will help parents support their children:

1. Attend local concerts and/or play performances
2. Attend high school performances
3. Websites-musictheory.net and musictechteacher.com

