# ATHOLTON MUSIC TECHNOLOGY

**MUSIC TECHNOLOGY I**
**ROOM B117 – MUSIC TECHNOLOGY LAB**
**Instructor: Mr. James Woomert          james_woomert@hcpss.org**
**Website: www.atholtonmusic.org**

## COURSE DESCRIPTION

Music Technology I includes the major computer-based areas of Notation and Music Production, as well as non-computer-based (stand-alone technologies) using electronic instruments, mixing desks and recording devices. Music Technology I covers the areas necessary for students to enjoy amateur music making and basic composition using technology. Every student brings unique and varied knowledge to the class, therefore every student will be assessed and evaluated individually. Grades are not curved – this is not a race. Expectations for class work will be outlined and evaluated weekly.

## TECHNOLOGY I COMPETENCIES

### NOTATION SOFTWARE

Using Sibelius, students should be able to:
- ✓ use notation software as a creative tool for basic composition.
- ✓ understand basic music theory and its application within the notation process.
- ✓ enter notes using various approaches.
- ✓ edit scores.
- ✓ transpose scores or sections of scores.
- ✓ cut, copy, and paste music.
- ✓ add expression markings.
- ✓ transpose scores or sections of scores.
- ✓ understand relationships between symbol and sound.

### MUSIC PRODUCTION

Using GarageBand and/or Pro Tools, students should be able to:
- ✓ record and edit music using music production software and hardware.
- ✓ use sequencer software as a creative tool for basic composition.
- ✓ understand the various processes and procedures used for recording and editing music including sequencing, looping, signal processing, and sound design.
- ✓ understand the types of data (digital audio, MIDI) involved in music production.
- ✓ store and convert digital audio and MIDI data into various audio formats.
- ✓ record using microphones.
- ✓ understand the different applications and capabilities of digital audio and MIDI data.
- ✓ enter notes in a MIDI sequence either one at time (step-time) or by performing (real-time).
- ✓ Integrate digital audio with MIDI data in the sequencer environment.
- ✓ compress digital audio for data storage, email, and on-line publishing.
- ✓ demonstrate the ability to manipulate MIDI data and digital audio to reproduce externally what they hear internally.

### ENDURING STUDENT UNDERSTANDING

- ✓ Students will demonstrate a comprehensive knowledge of the functionality of Sibelius and readily implement these functions in order to meet their compositional or notational needs.
- ✓ Students will demonstrate an understanding of notation conventions and be able to generate publisher quality work.
- ✓ Students will demonstrate a comprehensive knowledge of the functionality of GarageBand and implement these skills through the production and publication of quality, original work.
- ✓ Students will demonstrate an understanding of the workflow of a project (pre-production, tracking, mixing, mastering, and post-production) and adhere to these steps in their own projects.

## MATERIALS

Students will need a reliable media storage device for this class. This can be in the form of a portable USB hard drive or USB flash drive. The drive should be a minimum of 16GB, but 32GB is preferred.

## EXPECTATIONS

**Civility begins with me:**
- ✓ I will treat you with respect and courtesy at all times.
- ✓ I will honor all styles of music, and all tastes in music, even if they may be different than mine.
- ✓ I will arrive on time, and I will be prepared to teach all material.
- ✓ I will assist you individually with anything related to the learning of course material.
- ✓ I will reinforce the discipline and professionalism required to be an outstanding musician.
- ✓ You will treat each other and your teacher with respect and courtesy at all times.
- ✓ You will honor all styles of music, and all tastes in music, even if they may be different from your own.
- ✓ You will arrive on time, and you will be prepared for each class.
- ✓ It is ultimately your responsibility to master the course material. I am here to assist you in doing this, but completing this class successfully will involve real work on your part.
- ✓ You will work towards developing discipline and professionalism in your music studies.
- ✓ You will display civility in your behavior at all times and you will uphold the responsibilities of becoming a mature member of the community.

## ACADEMIC HONESTY

All work you submit should be your own work. Plagiarism and copying are not acceptable in Atholton High School, and will lead to disciplinary referral. The school's policy on Academic Integrity is in your student handbook.

## HOMEWORK

Since all of the music technology projects require the use of the iMacs and specific software, adequate class time will be dedicated to the completion of projects. Students who possess appropriate hardware and software are encouraged, but not required, to extend their work beyond the classroom.

## GRADING POLICY

- Semester 1... will consist of 5 Projects + Mid Term Exam. All projects are graded according to a detailed rubric that includes a technology skills component, a writing (reflection) component, and a presentation component. Each project is approximately 100 points.
- Semester 2... will consist of 5 Projects + Final Exam. All projects are graded according to a detailed rubric that includes a technology skills component, a writing (reflection) component, and a presentation component. Each project is approximately 100 points.

## BYOD

Bring your own device applies to music technology in several ways. There are many apps that are designed to enhance your musical knowledge, assist in the creative process, and even help in the creation of music. Additionally, musical inspiration can be found online through iTunes, YouTube, SoundCloud etc. If your device is being used for these purposes, we welcome your technological prowess. Other than that… cell phones are to be in "silent mode" during Music Technology class. All school policies and procedures for cell phone use apply.

## ATTENDANCE

You must attend class, except when absent from school. Numerous absences may negatively affect your grade.

## SIGNATURES

I acknowledge that I have read and understand the Music Technology I syllabus.

Please sign this document and return it to Mr. Woomert by August 29, 2014.

**STUDENT**                               **PARENT**

Name: _____          Name: _____
          (Please Print)                                        (Please Print)

Signature: _____          Signature: _____

E-mail: _____          E-mail: _____