

MORE Innovative Uses of Technology in the Orchestra Rehearsal

presented at the
2022 Midwest Clinic

by
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*The School District of Haverford Township
Havertown, PA 19083*

Hi
Everyone!



SHADY MAPLE SMORGASBORD



OMG....there is way
too much to eat, here!!



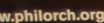
Fill your plate with a few ideas and enjoy!!!! What did you like the most?

Which technology use(s) would you like to try with your orchestra(s)?

Session Overview

- Introduction
- Hardware
- Computer Software
- Websites
- iPad apps
- Wrap

Hardware



* 9 Key Signatures
up to 4 sharps + 4 flats
4 Major + Minor

- * Find Minor
 - (1) Find Major
 - (2) Go Down 3 letters
 - (3) Check Key Signature
- * Next to last flat
- * Up 1/2 step from last sharp

June 24, 2017 www.musictheory.net

www.MannCenter.org
Lord of the Rings: Return...
w/ Phila. Orch.

Hardware for use in rehearsals

6. USB Microphone



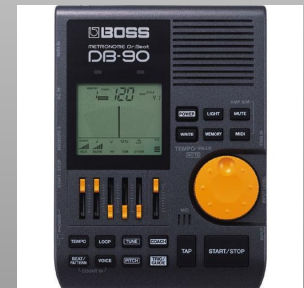
1. Laptop



4. Tuners & Metronomes



5. iPad/iPhone



2. Projector



3. Doc Camera



Computer Software

Videos

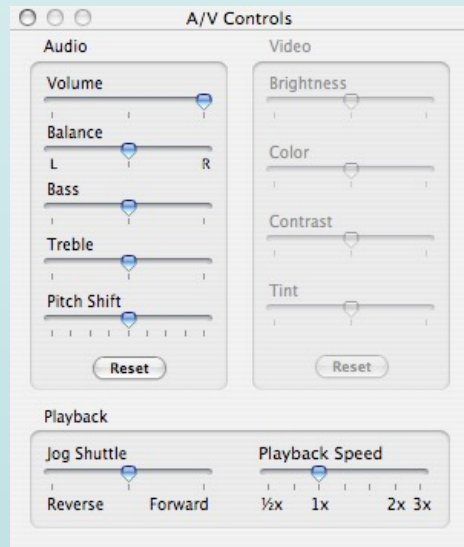
Download Videos

1. Download Add-on extensions for Firefox
2. Download websites
3. Use a screen capture application

Why should you
download videos?

TAKE 1
(the great piece that
broke my bow...)

Using downloaded videos



Presentation

6th Grade Strings

Today is Thursday, Jan. 27, 2022 – ALL ***Start at 8:07***

Have a pencil

Chromebooks are Optional Today

Chorus rehearsal with Mrs. Langley Today after school

Orchestra Website: www.haverfordorchestras.com

Assignment Due for Marking Period 2

Choose one of the two pieces to play in Smartmusic

REHEARSAL LINE-UP

- 1)*** Tune your Instrument. You may use the tuners in the **RED** Bin RTP by 8:07
- 2)*** Open String Warm Up (see distributed sheet)
- 3)*** Ode To Joy (see distributed sheet)
- 4)*** Rhythms
- 5)*** Endeavor m32 4th Fingers
- 6)*** “Bingo”
- 7)*** Sight Reading from www.sightreadingfactory.com

HAVE INSTRUMENTS

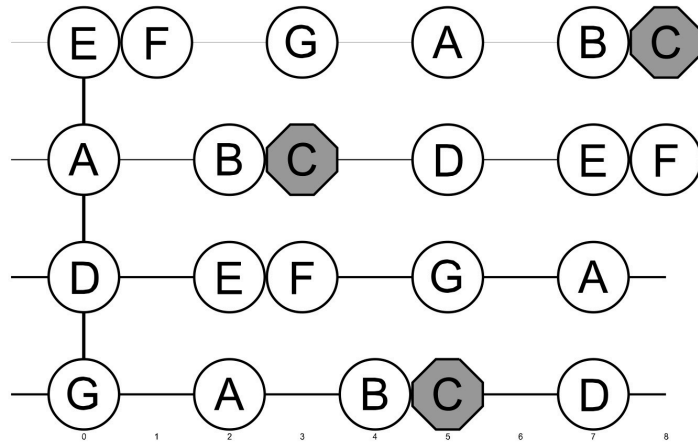
- ✓ Tuesday, Feb. 1: CHORUS***
- ✓ Thursday, Feb. 3: ALL***

ASSIGNMENTS for Marking Period 2

- 1. WINTER CONCERT Wednesday, Dec. 22nd***
- 2. Playing performance in Smartmusic, due Jan. 28th. Details to come.***
- 3. For every rehearsal: Bring your instrument, and a pencil.***

Pictures

C major scale **Violin**

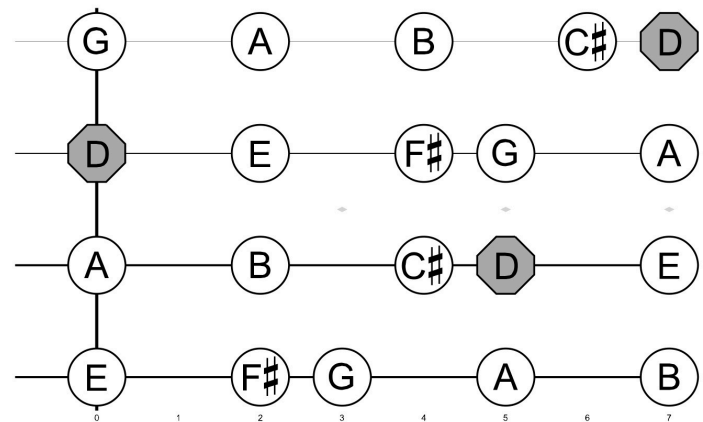


C major notes: C, D, E, F, G, A, B
C major degrees: 1, 2, 3, 4, 5, 6, 7

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www.studybass.com

D major scale **String Bass**



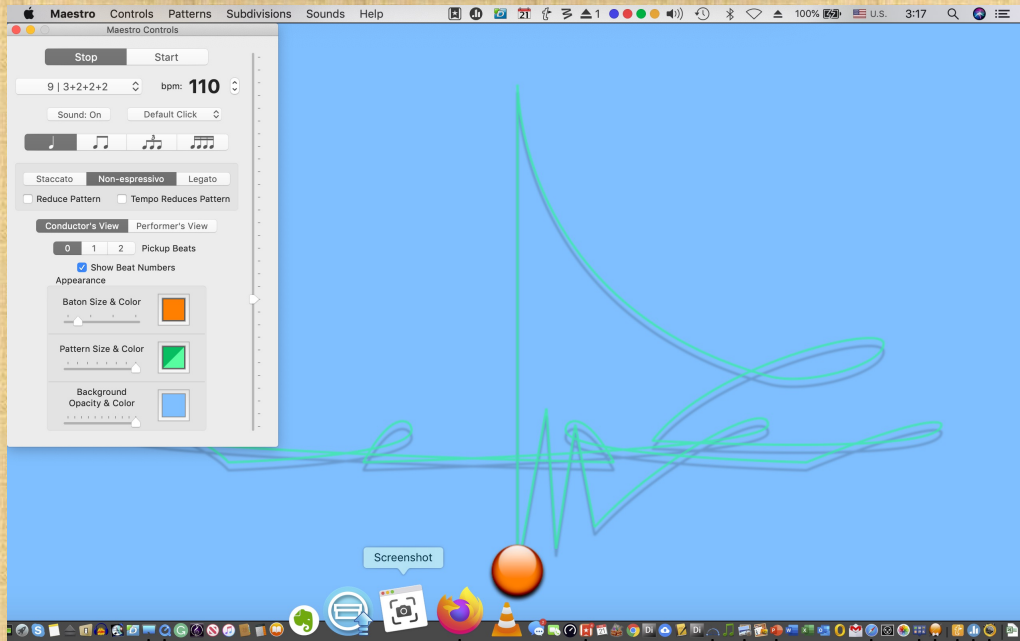
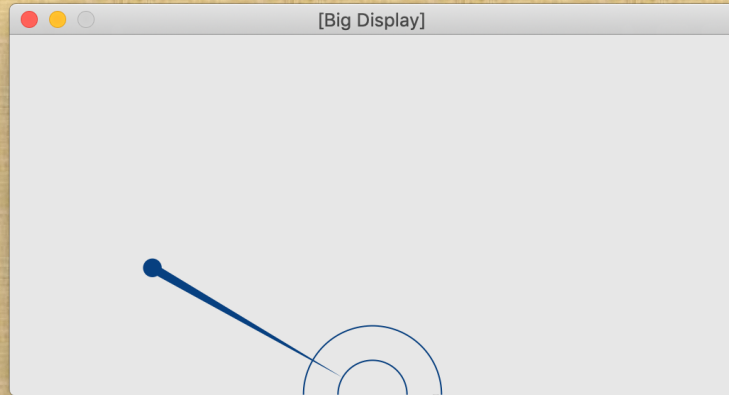
D major notes: D, E, F#, G, A, B, C#
D major degrees: 1, 2, 3, 4, 5, 6, 7

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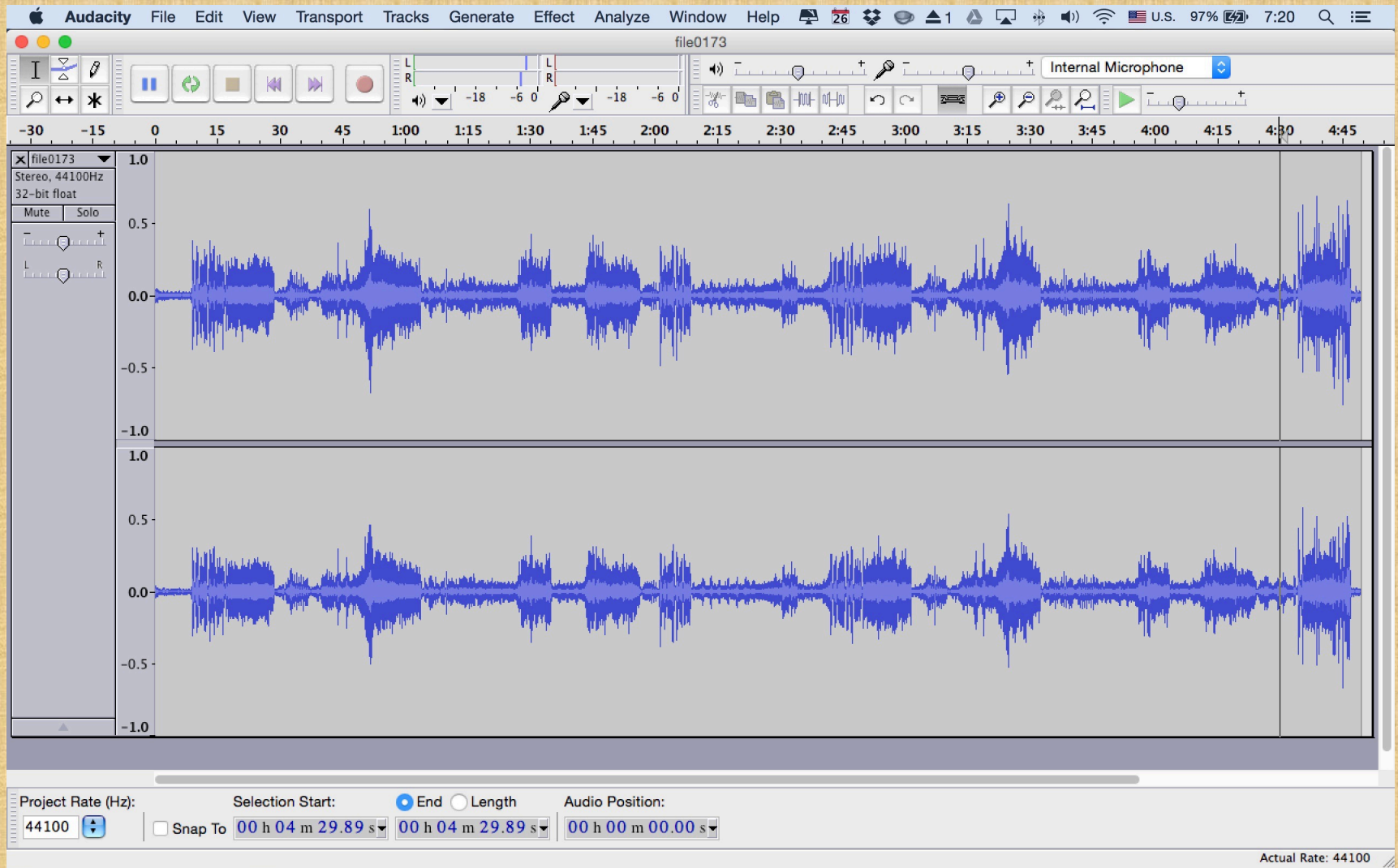
Metronomes & Tuners

CONDUCTING TOOLS

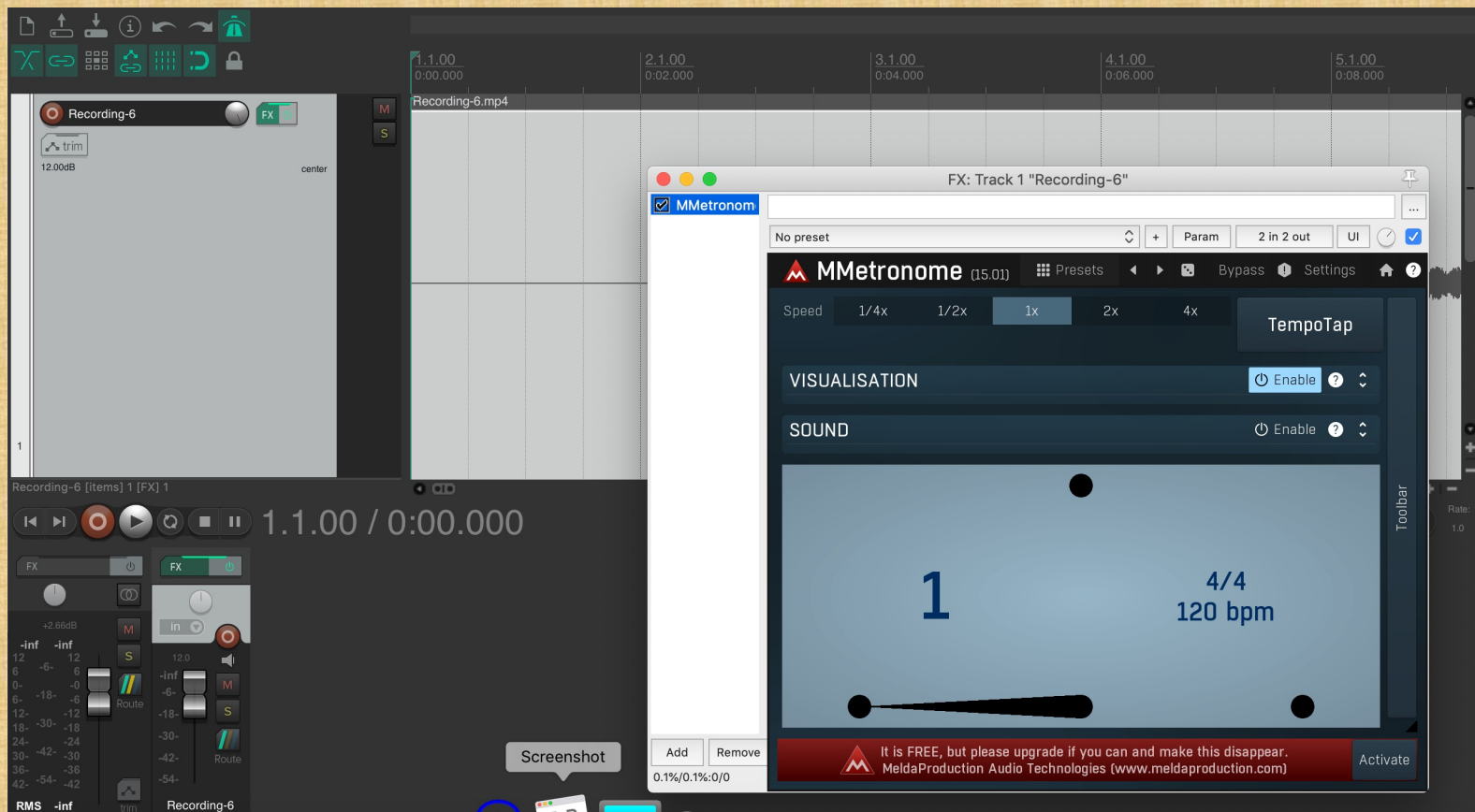


Recorders & Visuals

Audacity



Reaper



Tune Assistant

The screenshot displays the 'Tune Assistant' application window. The title bar reads 'Tune Assistant'. The interface is divided into several sections:

- Top Left:** The title 'Tune Assistant' is in a stylized font. Below it, a dropdown menu shows 'Hail to the Chief1'. Further down, it specifies 'Tonality: Major', 'Meter: Duple', and 'Range: Treble Clef (G3-D6)'. To the right, it says 'TuneLib of this tune: TuneLib1'.
- Top Center:** A 'Tonal Functions' diagram shows a circle of fifths with nodes labeled I, I⁶₄, IV, ii, V⁷/V, and V⁷. Node 'ii' is selected with a checkmark.
- Top Right:** A 'Some' dropdown menu is followed by three checked options: 'Melody', 'Accomp', and 'Bass'. Each has a volume slider and an instrument dropdown (Trumpet, Piano, Acoustic Bass). Below these is 'Accompaniment Style' with a checked 'Roots Only' option and a 'Half Time' dropdown.
- Bottom Left:** Controls for 'Staff' (Intro 2, Loop 4), 'Tune', 'Tonality', and 'Resting Tone' buttons. A 'Tempo' slider is set to 86. 'Key' is set to 'G / 1#'. 'Transposition' is set to 0. Output options are 'Notes' (selected), 'Text', 'Staves', and 'None'.
- Bottom:** Four staves of musical notation in G major (one sharp). The notes are G, C, G, G, D7, G across the four staves, with some variations in the second and fourth staves.

Audiation Assistant

Audiation Assistant.osx

Audiation Assistant
Rhythm Exercises

Rhythm Functions All

☒ Macro/Microbeats ☒ Elongations ☒ Rests
☐ Divisions ☒ Ties

Quiz in Progress

End Quiz

Score: 0/0

Click here if you think pattern # 2 is the correct notation for the rhythm pattern sounded by the Question button.

New Problem

Play

Question

Meter

①

2/4 2/4

②

2/4 2/4

③

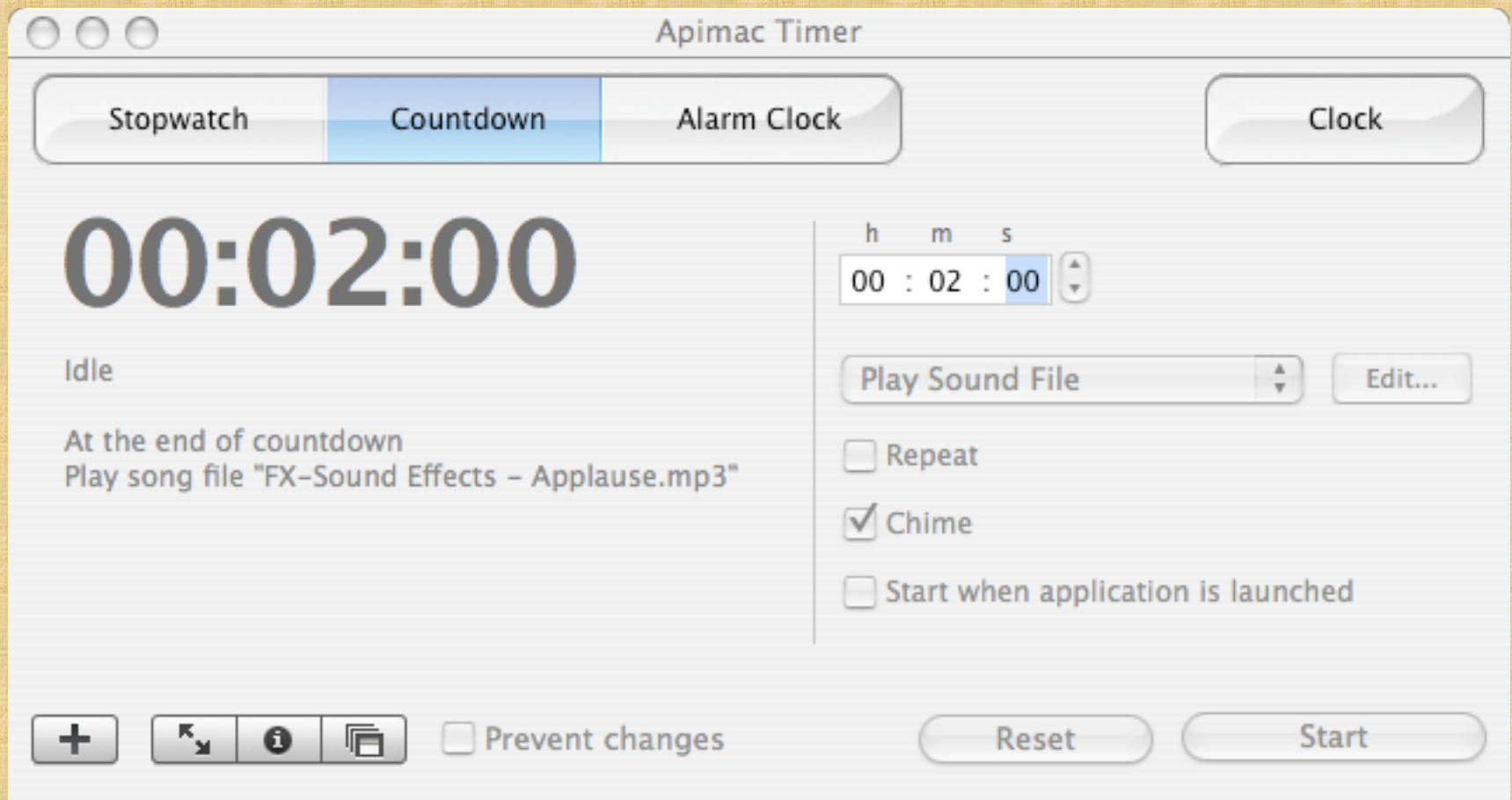
2/4 2/4

④

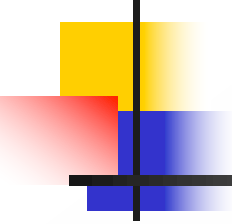
2/4 2/4

SKILL LEVEL	METER
(Quiz)	Usual Duple

The Apimac Timer

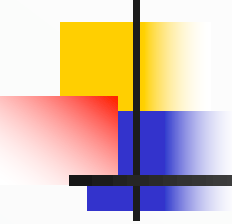


iPad



Equipment Set Up Concerns

1. Room Layout
2. Access for use
3. Security
4. Timing
5. Safety



Purchasing and Acquiring Equipment

1. District AV Equipment Budget
2. Departmental Budget
3. PTO, Education Foundation, Grants
4. Booster
5. Visit other schools and consider a loan
6. Refurbished Equipment



Learning to use technology takes time,
devotion, assistance, and planning but.....



...it is well worth it!!!

Wrap





technology use(s) would you like to try with
orchestra(s)?



Start the presentation to activate live content



If you see this message in presentation mode, install the add-in or get help at Pollev.com/app

Conclusion and questions

Patience

Practice

Consistency

Model

Innovation

Seek help

You are a teacher first

Give the Gift of Life - Organ Donors Save Lives