



OCT 17, 2024

BAND & TECHNOLOGY IN HARMONY

NYSBDA - ECMEA REGION 1 WORKSHOP DAY

JOHN BLICKWEDEHL



CANVA



PLEASE USE YOUR DEVICE

PDF FILE



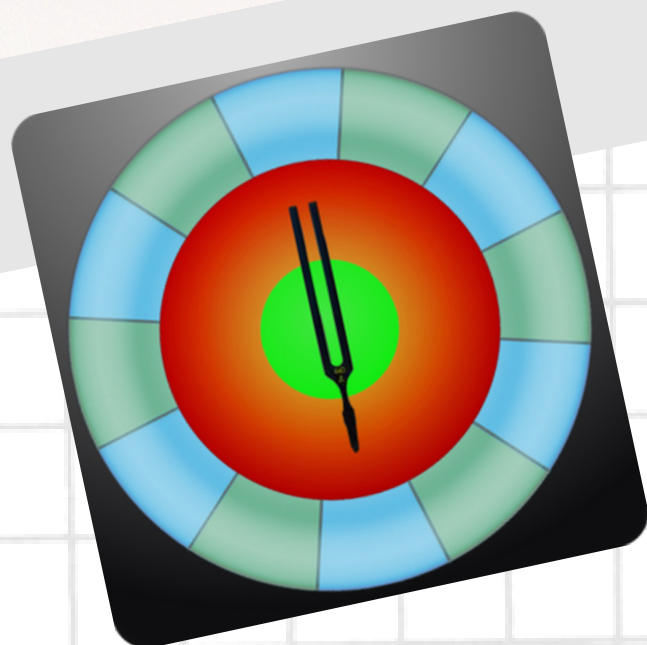
GOOGLE SLIDE



TONAL ENERGY

IT'S A REALLY NICE TUNER
AND A METRONOME...

BUT ALSO SO MUCH MORE!!



TUNER



AM I IN TUNE?

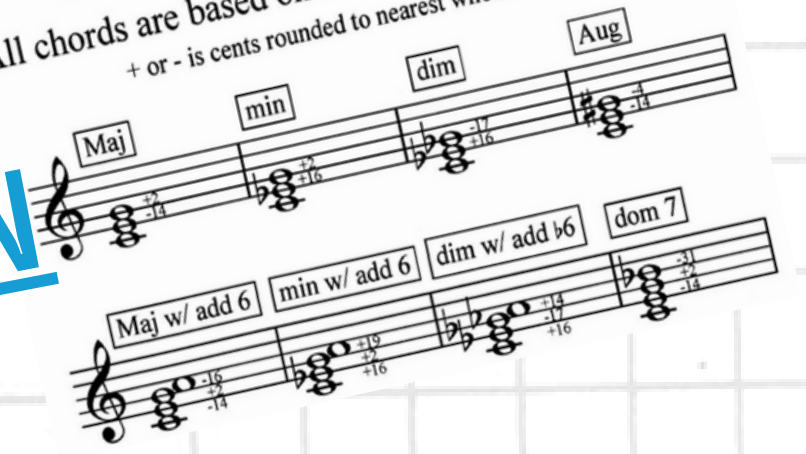
EQUAL

OR

JUST?

CHORDS OF
JUST
INTONATION

Chords of Just Intonation
All chords are based on root "C" which is "0" pitch.
+ or - is cents rounded to nearest whole number



DRONES/ SOUND

WHEEL OR KEYBOARD?
EQUAL OR JUST? OR...





EQUAL V. JUST

TUNING



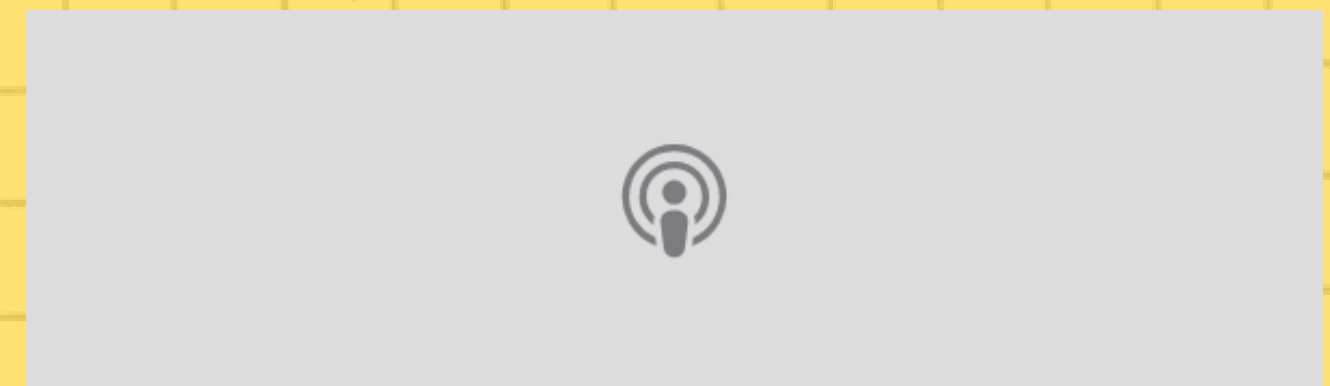
● WHEN IS WHICH APPROPRIATE?

● ACTIVE OR PASSIVE - ANY LEVEL EXAMPLE:
TRUMPET LOW D FINGERING

● IF WE MODEL GOOD SOUNDS FOR OUR STUDENTS,
SHOULD WE NOT ALSO MODEL GOOD INTONATION?



PASSIVE EXPERIMENT



SONG OF HOPE
BACKING TRACKS USED
BLUECOATS MEAN TONE CONCEPT

BLUECOATS BRASS PODCAST
BOB HIGGINS, ENGINEER, BASS
TROMBONIST & BRASS GURU

The background is a yellow grid. On the left, there are four musical symbols: a treble clef with a pink highlight, a note with a blue highlight, a bass clef with a green highlight, and a note with a white highlight. There are also several small black 'x' marks and dots scattered around these symbols. At the top right, there is a white banner with a torn edge containing the text 'MAKE A LESS MONEY' and 'HARMONY DIRECTOR' in a bold, black, sans-serif font. Below the banner, there are three black loops.

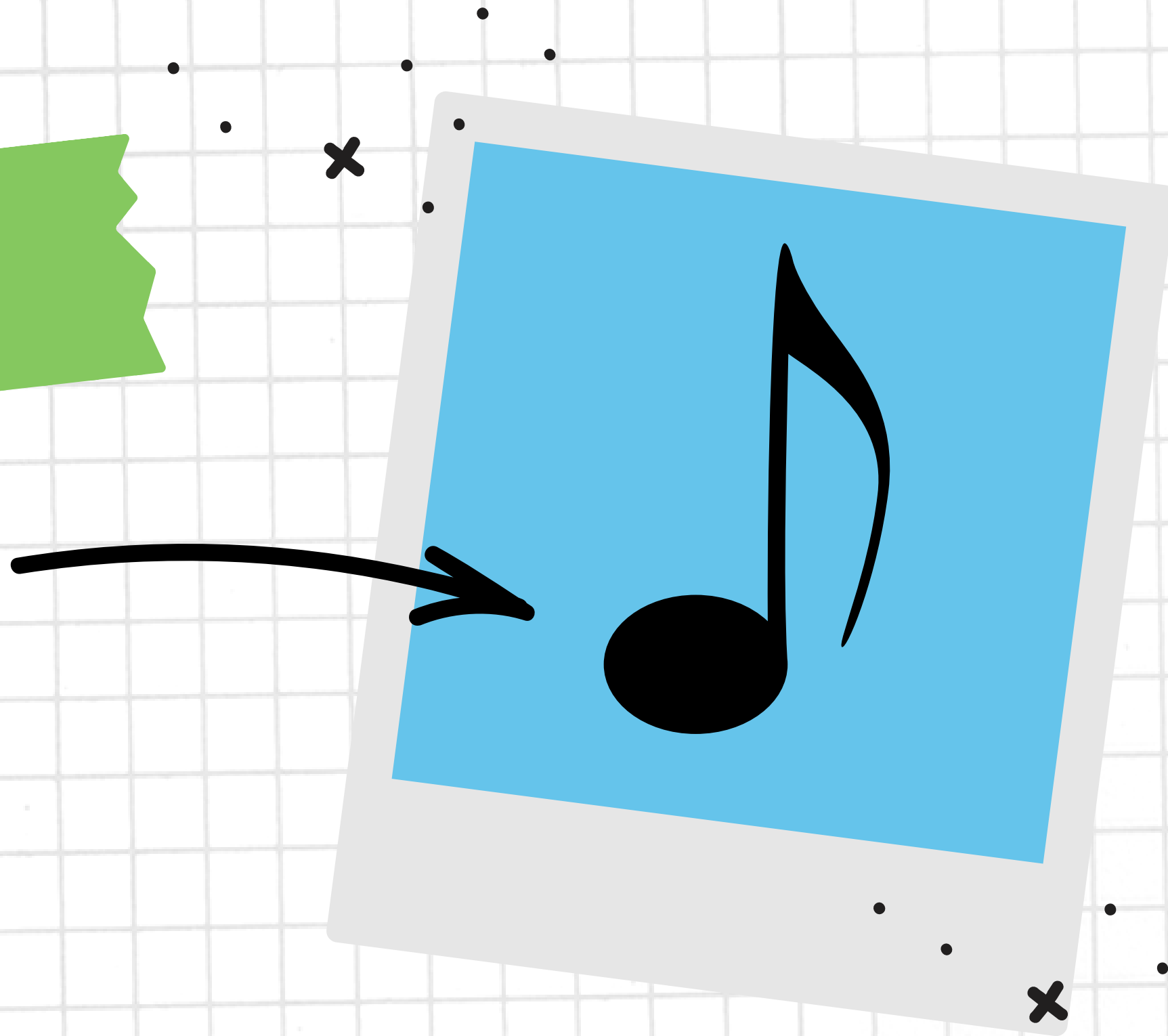
MAKE A LESS MONEY

HARMONY DIRECTOR

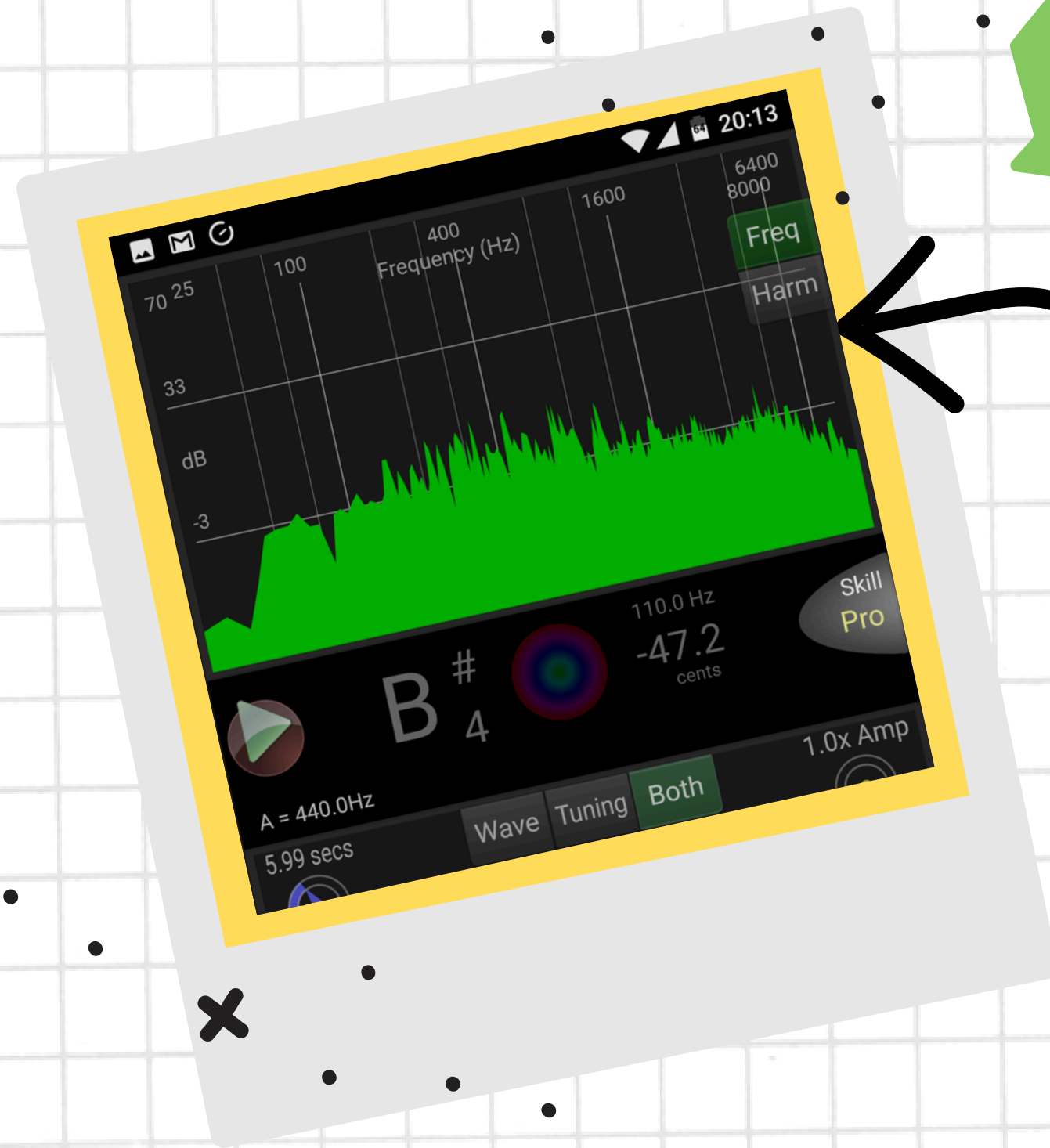
- **TE DESKTOP APP**
- **MIDI OR USB KEYBOARD**
- **CABLES/ SPEAKERS**

METRONOME

- SOUNDS
- MET ASSISTANT
- PROGRAMMING
- PROGRAMMING WITH DRONES



ANALYSIS



- SPECTRAL- TONE V NOISE
- HARMONIC- HOW VIBRANT?
- WAVEFORM- ARTIC. SHAPE DYNAMICS
- PITCH- OVER TIME

TE STUFF

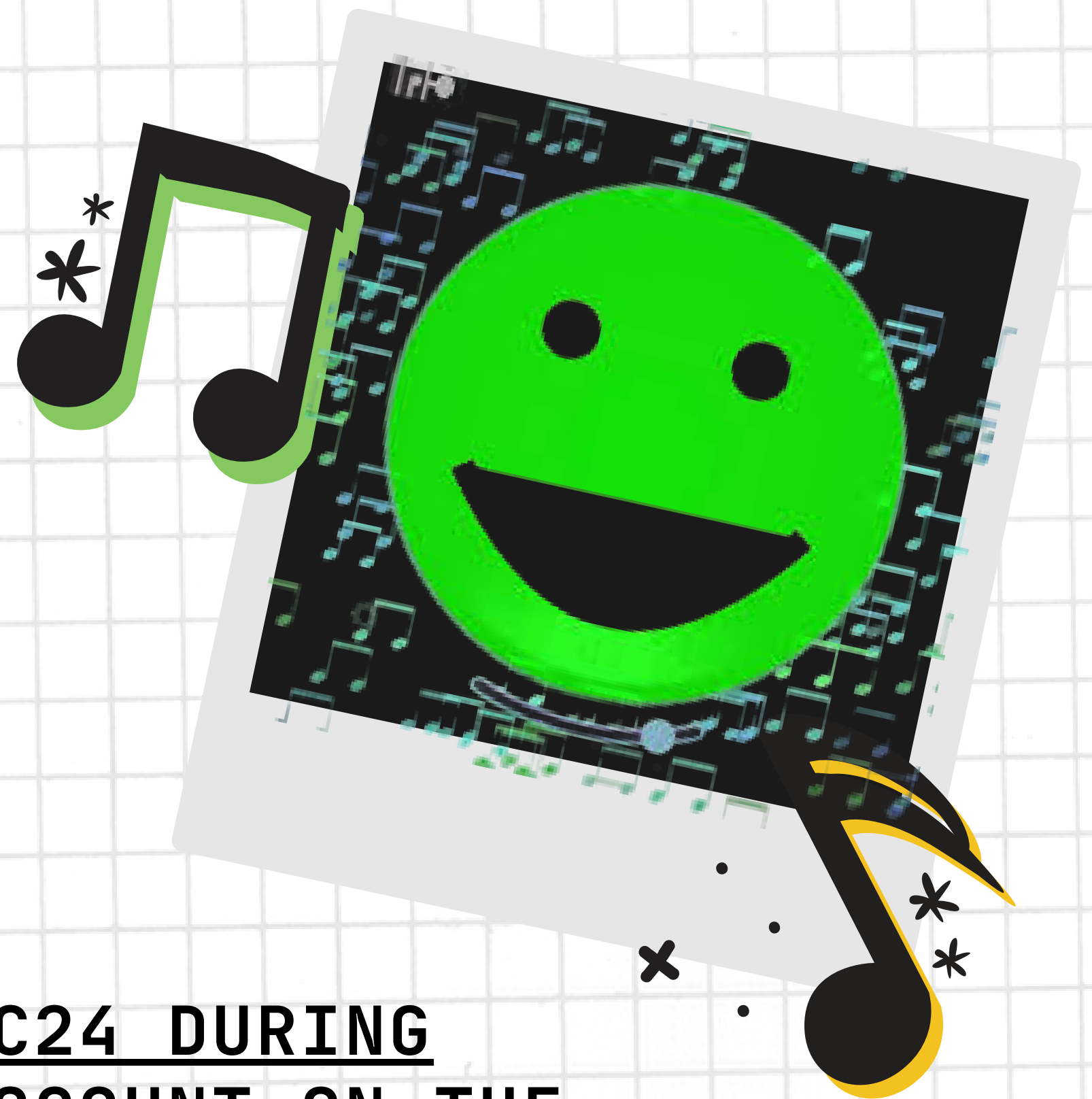


YOUTUBE VIDEOS

LINK TO APPLE APP

LINK TO GOOGLE PLAY

**USE PROMO CODE TECLINIC24 DURING
CHECKOUT FOR A 35% OFF DISCOUNT ON THE
DESKTOP APP THROUGH OCTOBER.**





- 70-80% ASSIGNMENTS - ESPECIALLY WITH CHEAPER CHROMEBOOK MICROPHONES
- MAKE MUSIC CATALOG
- MAKEUP LESSON CREDIT - CAN SEE TIME SPENT



MUSECLASS



- NEW SMARTMUSIC RIVAL
- FREE THIS YEAR
- USES PHONE/ TABLETS = BETTER MICROPHONES USUALLY





SIGHT READING FACTORY



- **INCORPORATE A FEW MINUTES
A WEEK**
- **TARGET SPECIFIC THINGS**
- **PUSH OUT TO STUDENTS**

**TRIAL LINK - FREE INCLUDES STUDENT
SUBSCRIPTIONS THRU DEC 15**

THANK YOU AARON STAEBELL - ASTAEBELL@HALLEONARD.COM

AND THAT'S A WRAP.

THANK YOU!



THANK YOU MEAGHEN VENITELLI, RICH SHANAHAN AND NYSBDA REGION 1

Links Page:

Chords of Just Intonation

<https://www.scsboa.org/wp-content/uploads/Chords-Just-Intonation.pdf>

Song of Hope Virtual Band

<https://www.youtube.com/watch?si=a0BOQOelgbaerHoe&v=qf0GvIRBn8E&feature=youtu.be>

Bluecoats Brass Podcast - Tuning Discussion

<https://podcasts.apple.com/us/podcast/3-our-approach-to-intonation-bmt/id1498480584?i=1000469202208>

Sight Reading Factory - Trial

<https://www.sightreadingfactory.com/halleonard>

Tonal Energy Links Page

<https://www.tonalenergy.com/te-mobile>

Chris Grifa YouTube Channel

https://youtube.com/@cgrifa00?si=1dhEa_TmzNK4x6WA