



**Online
music**

**On-line music education
dr hab. Benedykt Ody
Uniwersytet Kazimierza Wielkiego
w Bydgoszczy**

shift





d-learning

e-learning

m-learning

**Traditional Class
Room Training**



E - Learning

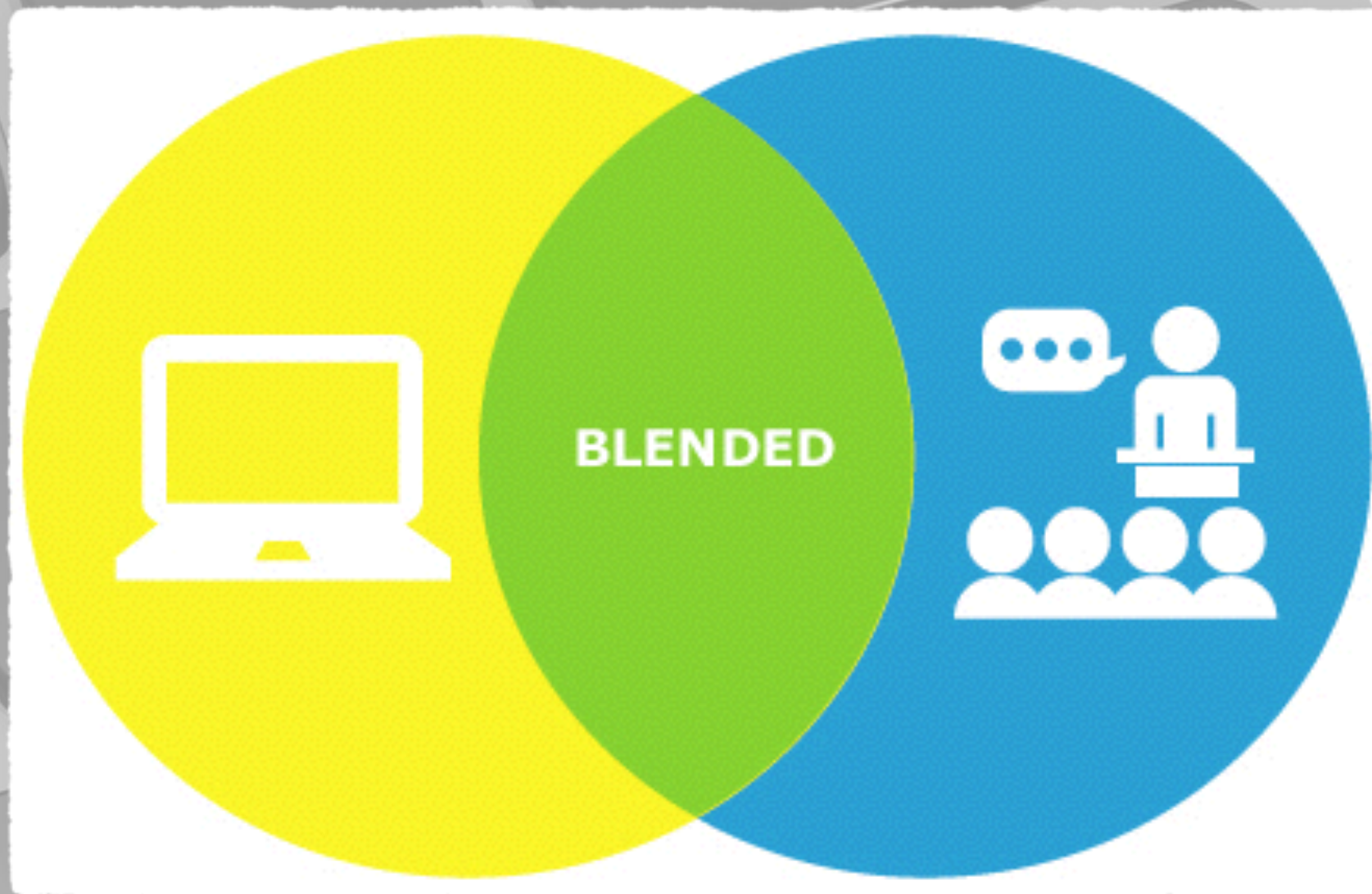


Mobile - Learning



Mobile - Learning become common and realistic.

shift





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START

shift

COMPONENTS OF A 21st Century Classroom

Technology is undeniably changing the face of education, and it's easy to see the impact already. Imagine what classrooms will be like in 20 years with the speed of technological innovation. Learn more about some of the key advancements in the 21st century classroom.



of teachers have computers in their classroom...



...but just 1 in 5 feel their classrooms have the right level of technology

INCREASING THE PRESENCE OF THE FOLLOWING TECHNOLOGIES COULD CHANGE THAT RATIO DRASTICALLY

Real World Education

Project-based learning (PBL) teaches concepts, but also organization, articulation, project management and collaboration

Integrating life skills into education can improve student engagement and retention and prepare them for 21st century careers



Online Courses



Almost a third of all college students take at least one online course

Online enrollments saw 21% growth while overall higher education student population only saw 2% growth

Over 65% of education institutions count online learning as critical for long-term educational success



Games and Gamification



of teachers have used online games in the classroom

In one study, games raised average test scores:

91.5%
With the use of digital games
79.1%
Without the use of digital games

Learning Analytics

Help teachers assess top concerns and achievements related to their students



Registration for the Learning Analytics and Knowledge conference doubled between 2011 and 2012



One system claims to predict whether a student's likelihood of sufficient course completion with about 70% accuracy, highlighting risk factors for individual students

Open Source Textbooks

In the next decade, open source textbooks are expected to grow to 35% of the textbook market



By 2013, e-textbooks may comprise



of textbook revenue

6 in 10 students have used a digital textbook - just 4 in 10 had in 2011 -

81% of teachers believe tablets enrich classroom learning

86% of students believe they study more efficiently with tablets

1 in 5 students have used a mobile app to keep their coursework organized

29% of teachers use social media for coursework, compared to now 80% of college professors

59% of students would like to use their own mobile devices to enhance learning

Top 3 Reasons for Teachers to Use Technology in the Classroom



Adapt to diverse learning styles



Boost student motivation



Enhance the material being taught



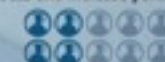
Over 51% of colleges cited wireless upgrades as their tech priority in 2011-12 given the 60% increase in mobile devices on campus in the previous year

Integration of Social Networks

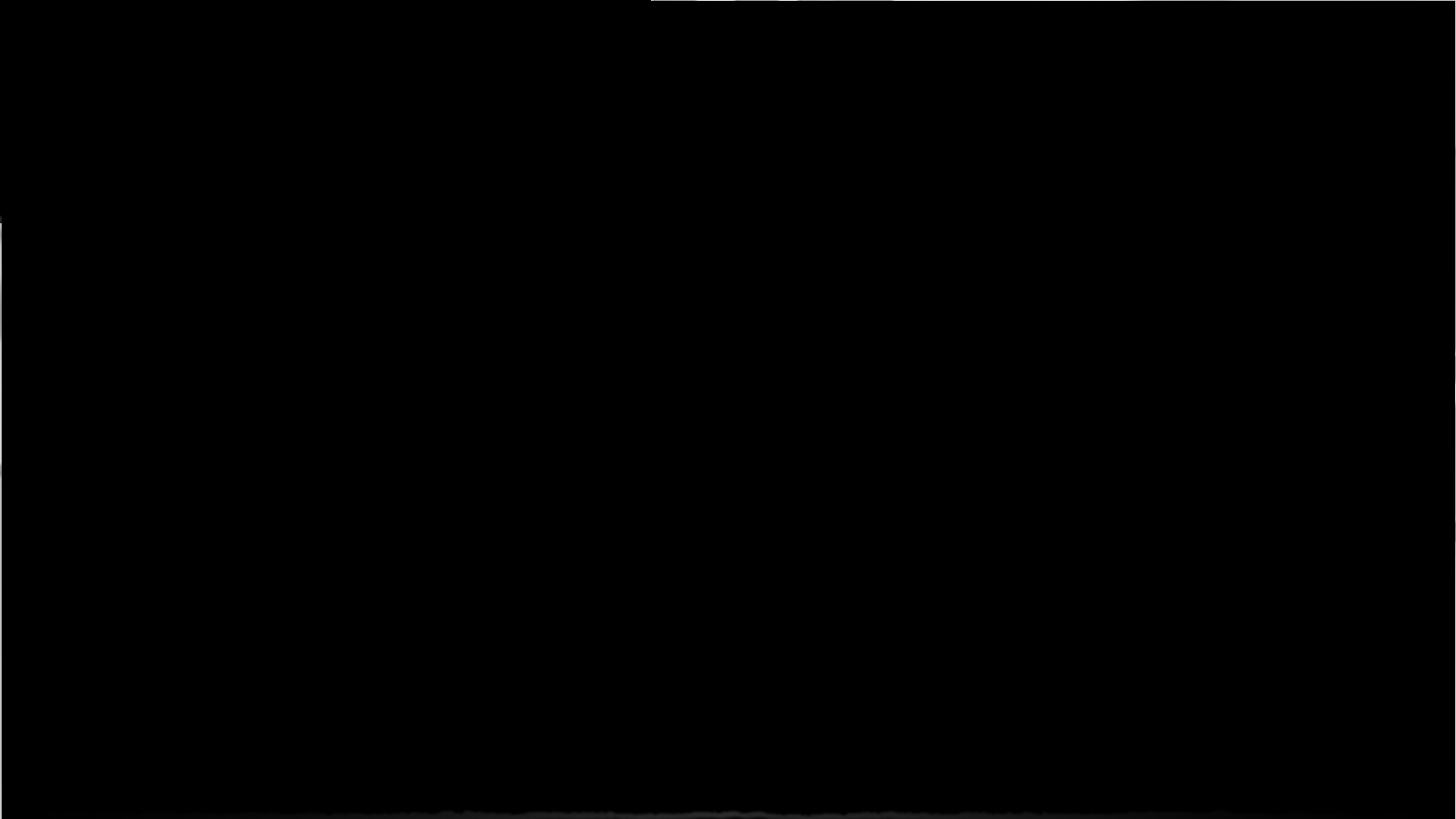
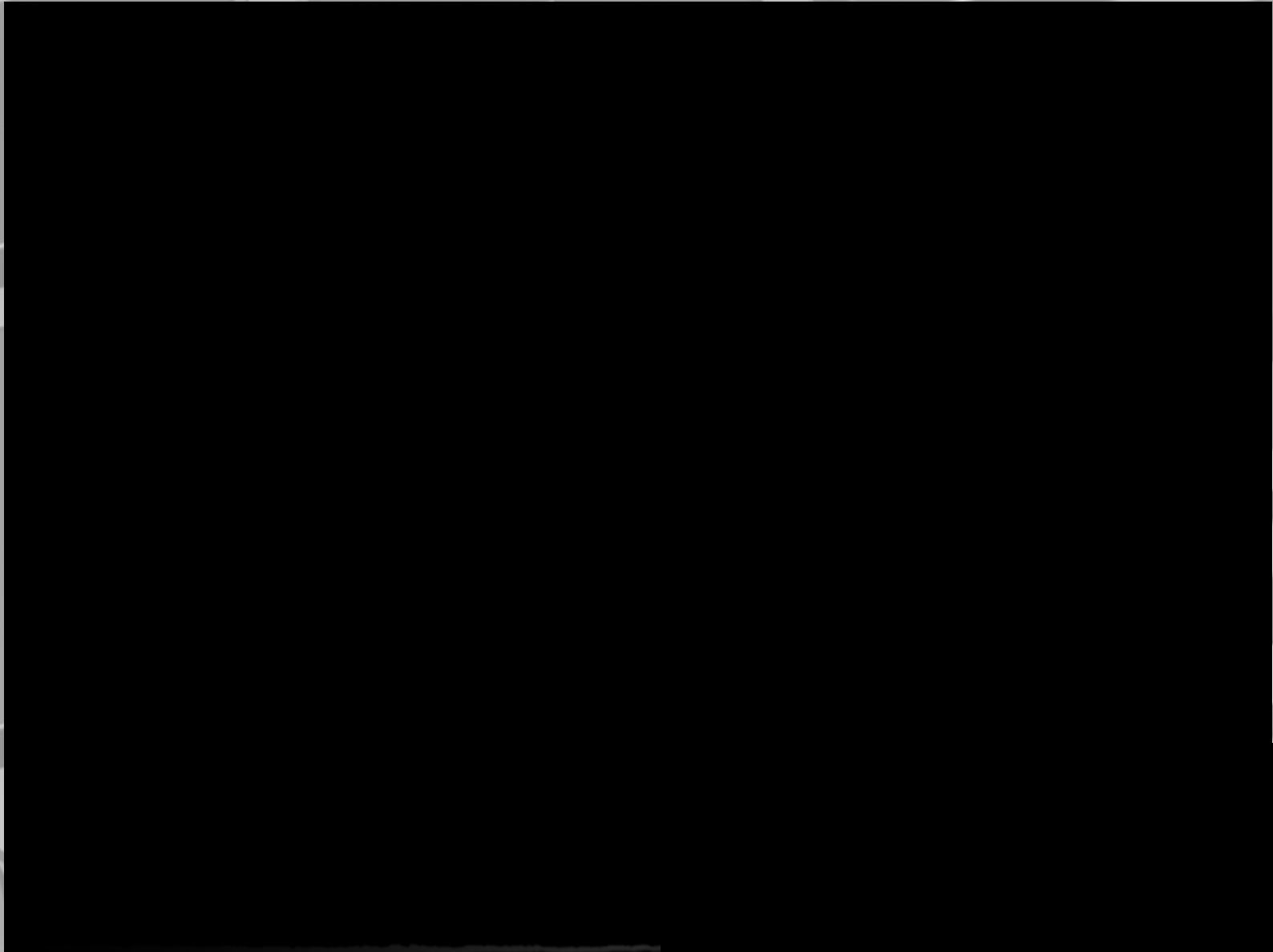
Engaging students with a free tool they already use can help them learn in new ways, gain focus and increase participation



One social media pilot program assisted in a class' 50% rise in grades



4 in 10 students believe integrating social networks into the classroom would benefit their education





WWW

SOFTWARE

LEARN



**Online
music**

Online!

Games



**24/7
ONLINE**



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**CZYTAJĄC
NUTY...**

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Czytając nuty...
www.artsedge.kennedy-center.org



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**TEORIA
MUZYKI**

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musictheory.net

 Theory Lessons

 Tenuto



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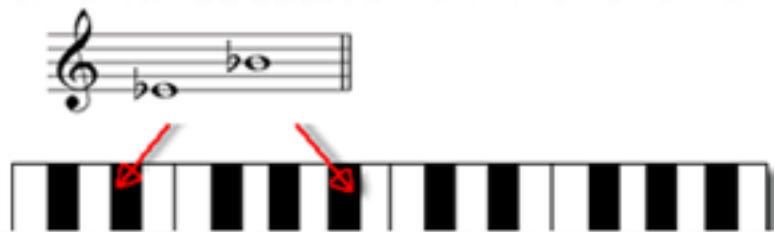
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Teoria muzyki
www.musictheory.net

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teoría : Music Theory Web



Music Theory Tutorials



[Music Theory Reference](#)



Music Theory & Ear Training Exercises



Articles

Teoria muzyki
www.teoria.com

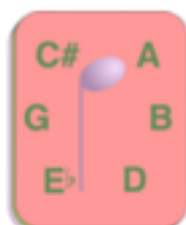
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Musicards

Online Music Theory Flashcards

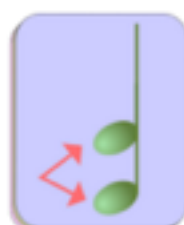
Welcome to Musicards, an ever-growing collection of highly-customizable online music theory flash cards. These music flashcards can be used by beginning music students who are becoming acquainted with key music rudiments, all the way up to intermediate and advanced students who wish to fill in gaps here and there or increase fluency with existing knowledge.



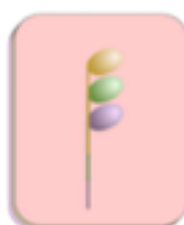
[Note Names](#)



[Key Signatures](#)



[Intervals](#)



[Triads](#)



[Piano Note Names](#)



[Reading Piano Notes](#)



[Guitar Note Names](#)



[Reading Guitar Notes](#)



[Read Alto Clef Notes](#)



[Read Tenor Clef Notes](#)

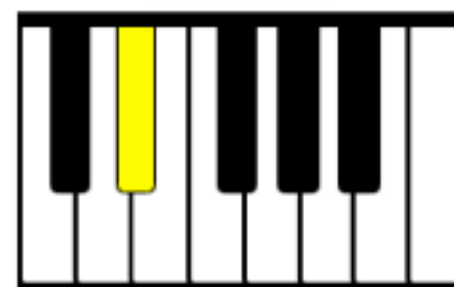
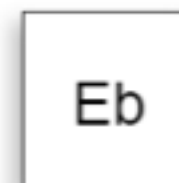
Musicards

Music Theory Flashcards: Piano Notes



These flashcards help beginners to the piano make connections between the notes on the keyboard and their names.

Look at a key on the keyboard and ask yourself the name of the note it produces. Click of tap on that key to see if you're correct!

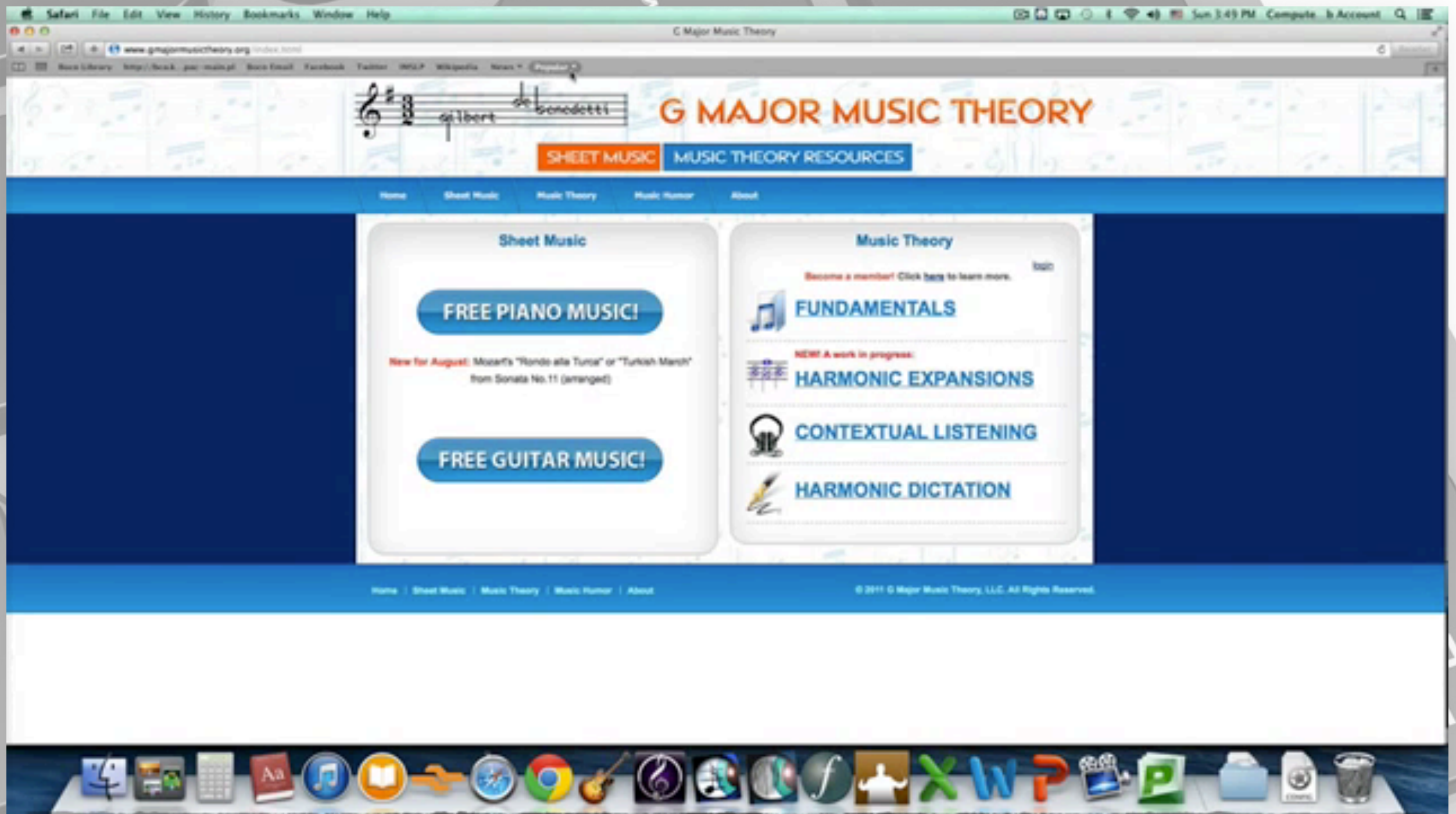


Show accidentals as sharps

Show accidentals as flats

Czytając nuty...
www.musicards.net

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Teoria muzyki
www.gmajormusictheory.org



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**NOTACJA
MUZYCZNA**

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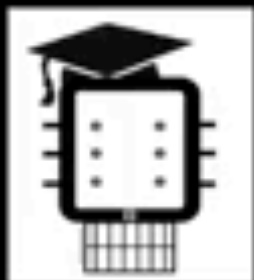
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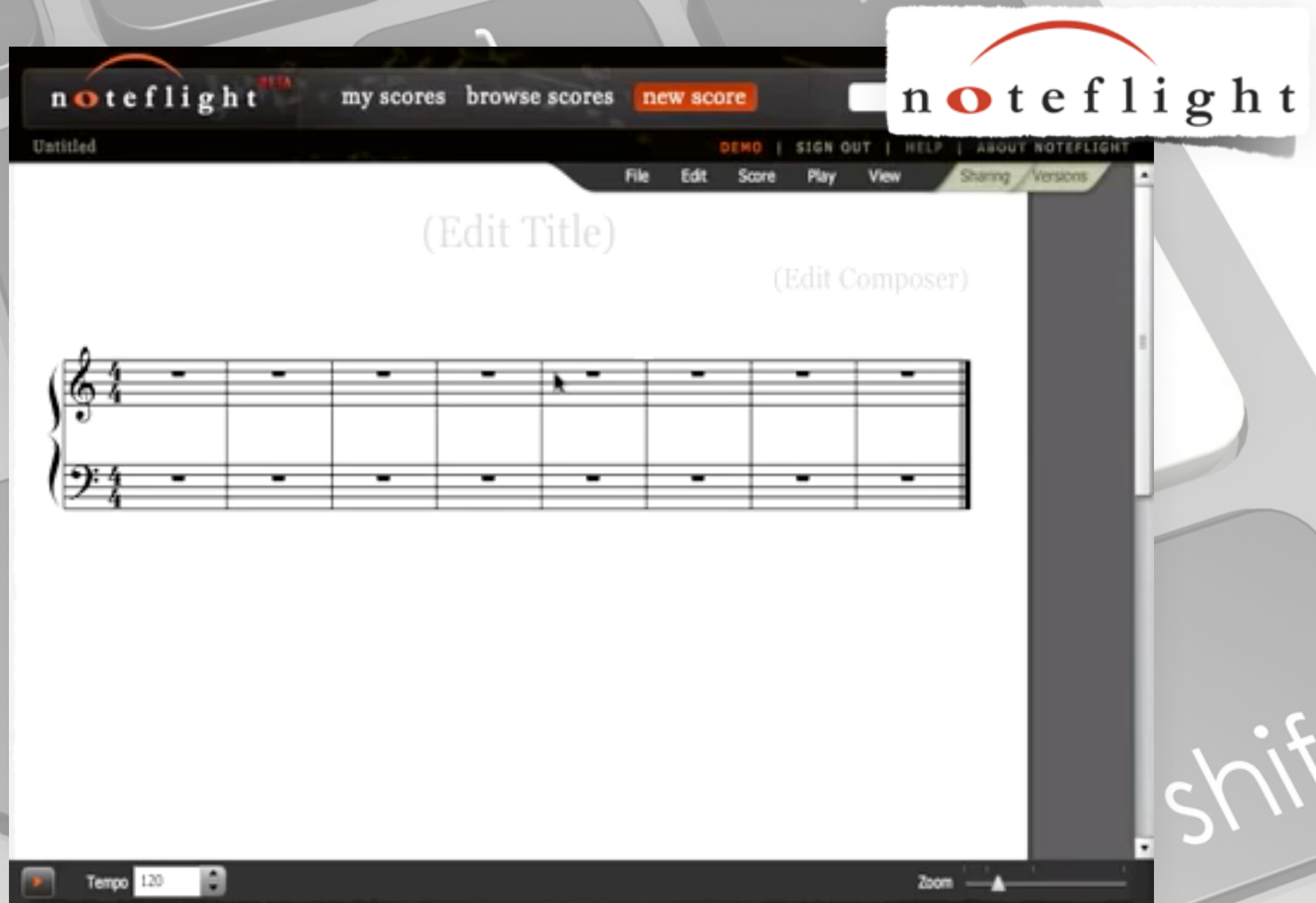
? **Notacja muzyczna...**
www.flat.io/en

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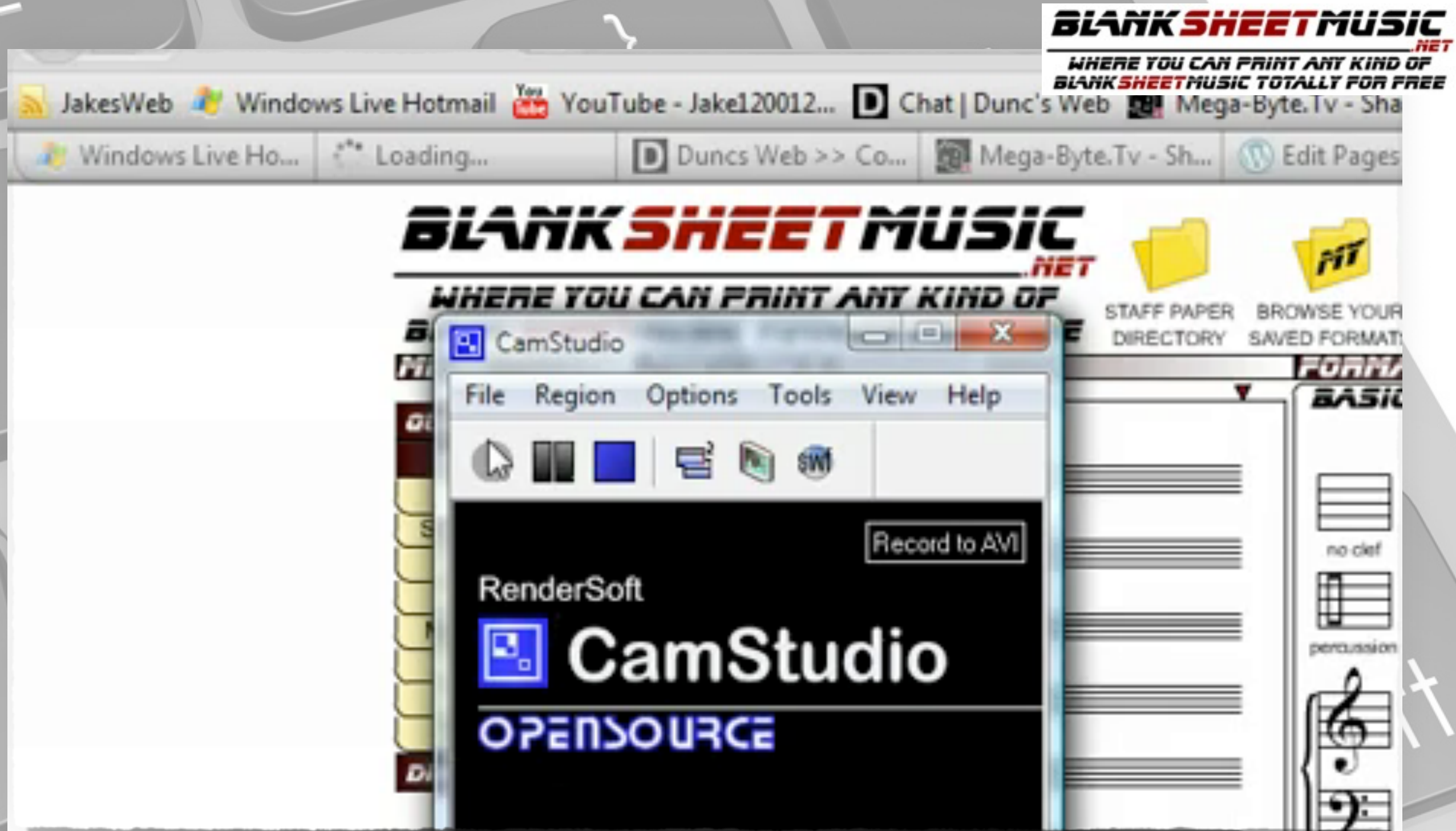
Notacja muzyczna...
www.musescore.org

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Notacja muzyczna...
www.noteflight.com

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? **Notacja muzyczna...**
www.blanksheetmusic.net



Getting started with
finale
NotePad®

Notacja muzyczna...

www.finalemusic.com/products/finale-notepad

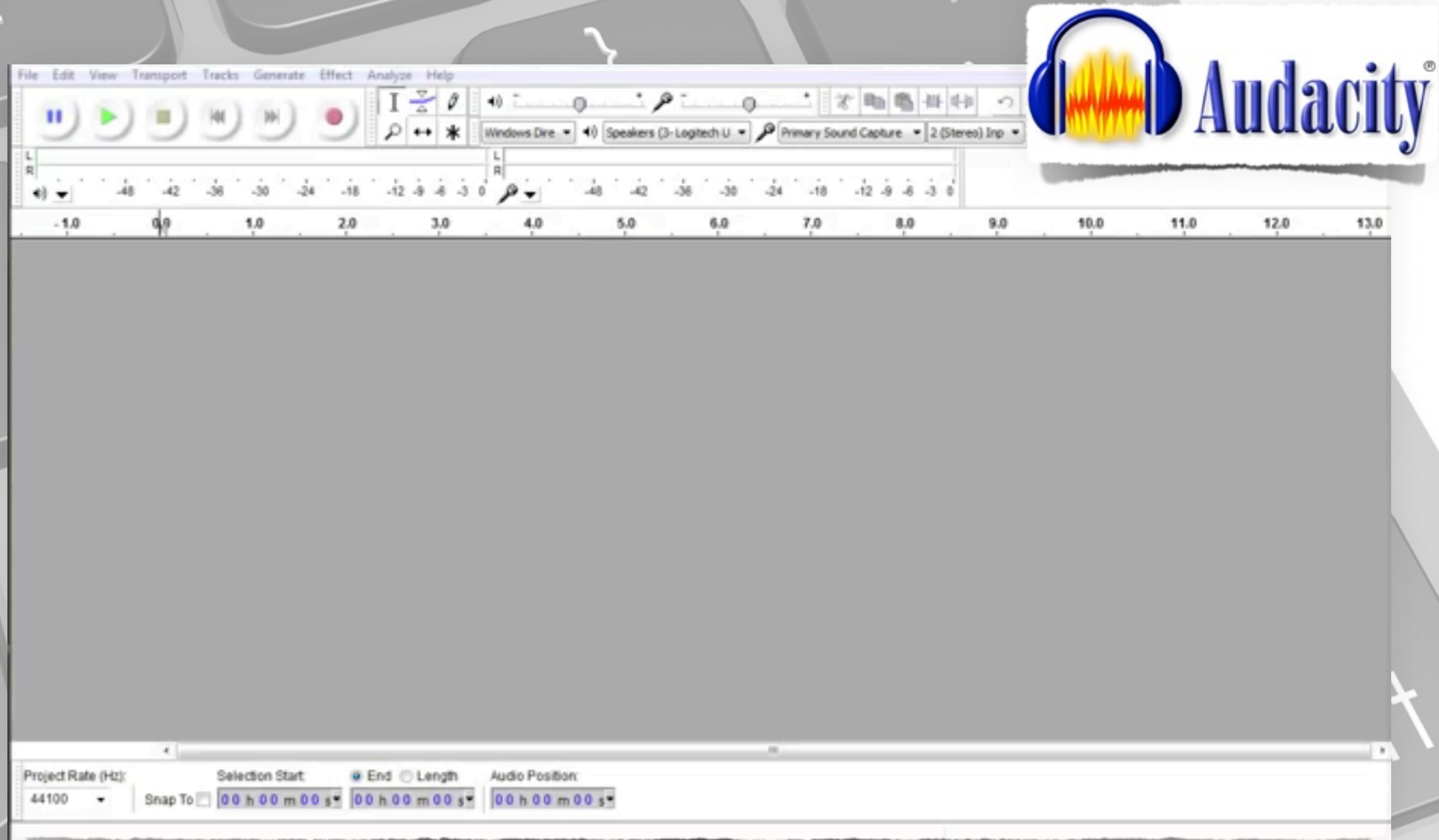


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**NAGRYWANIE
I MASTERING**

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Nagrywanie i mastering...
www.audacityteam.org

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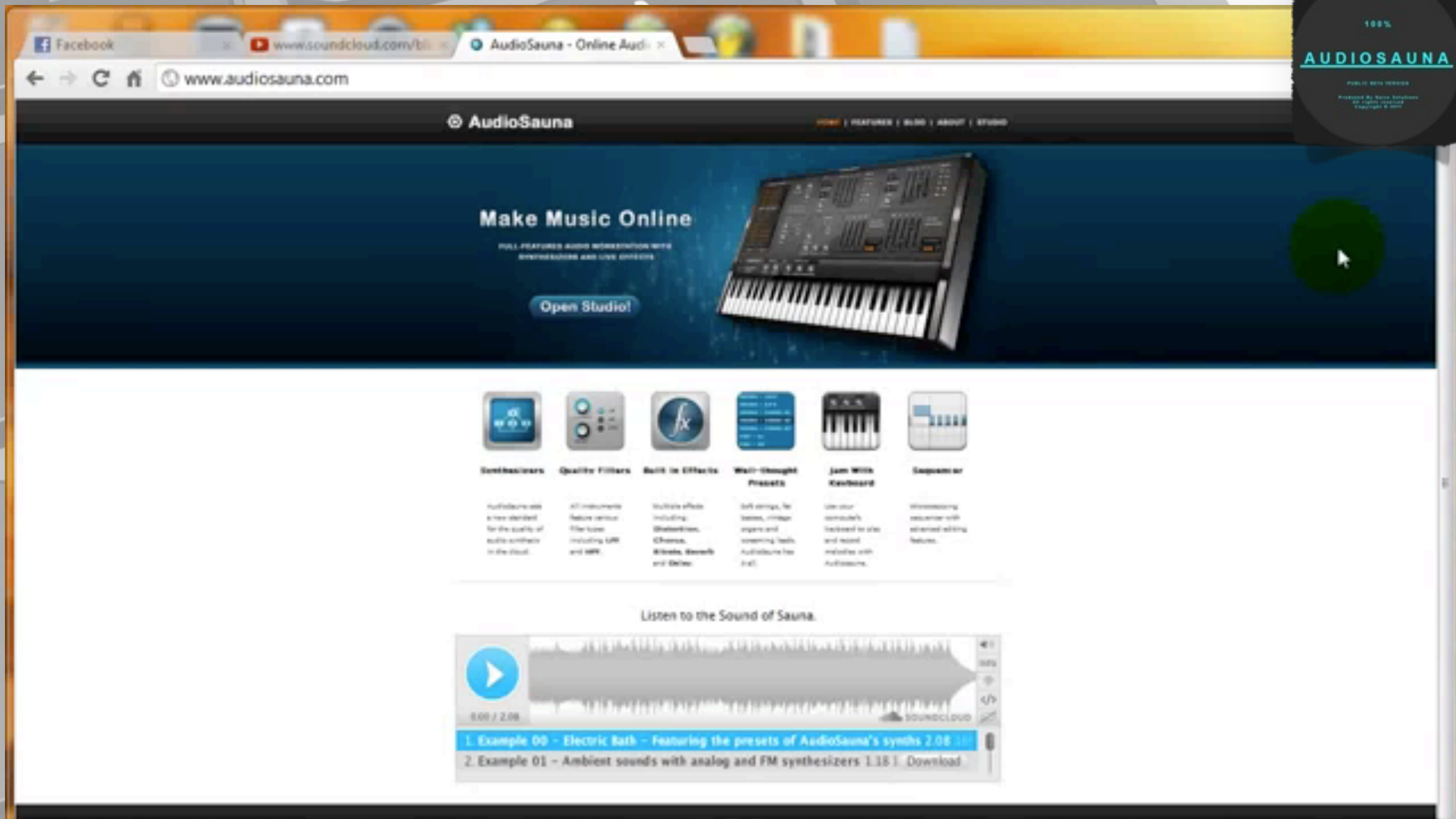
Nagrywanie i mastering...
www.soundation.com

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Nagrywanie i mastering...
www.soundtrap.com

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Nagrywanie i mastering...
www.audiosauna.com

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Nagrywanie i mastering...
www.ardour.org

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Nagrywanie i mastering...
www.qtractor.sourceforge.net



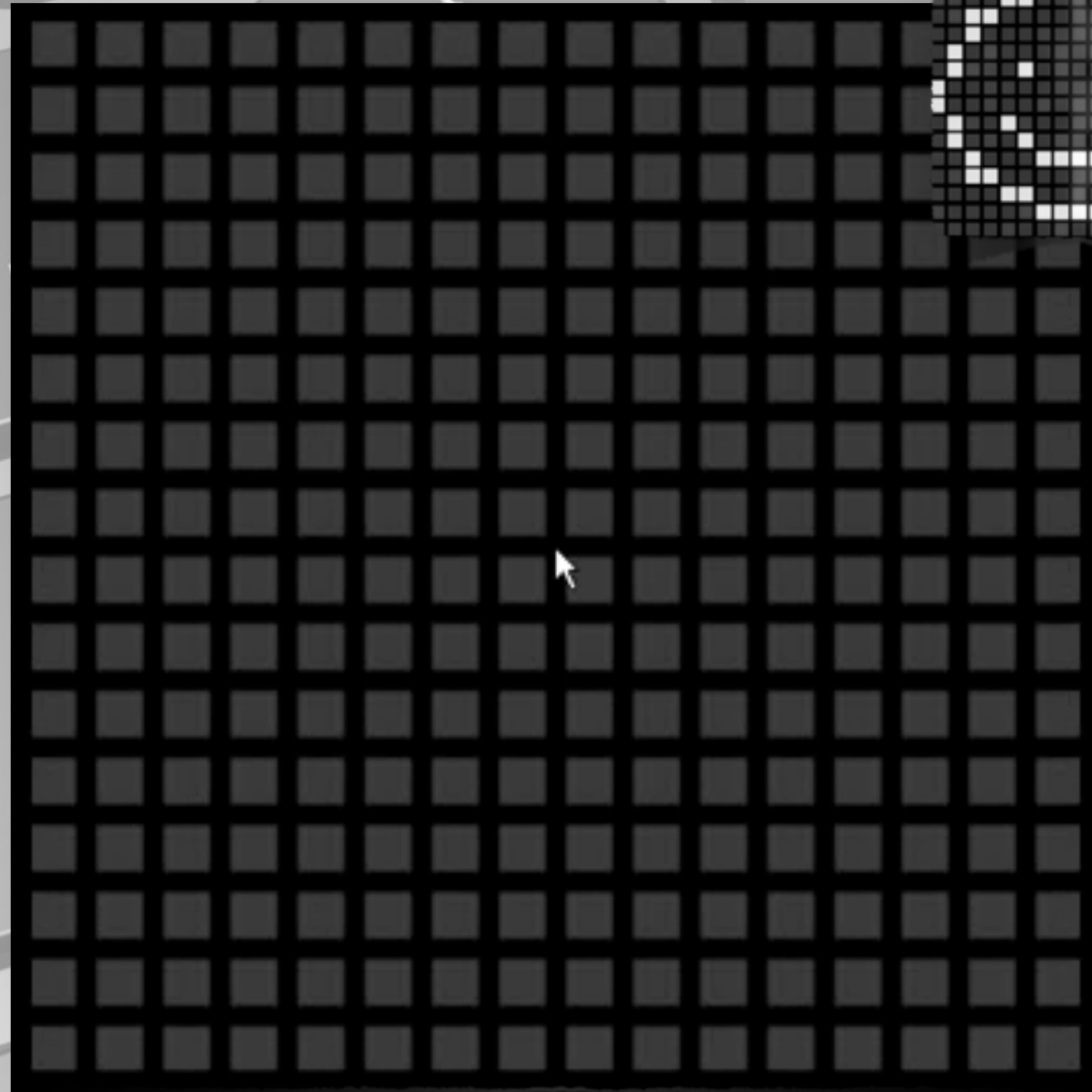
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**CREATING LOOPS
AND PATTERNS**

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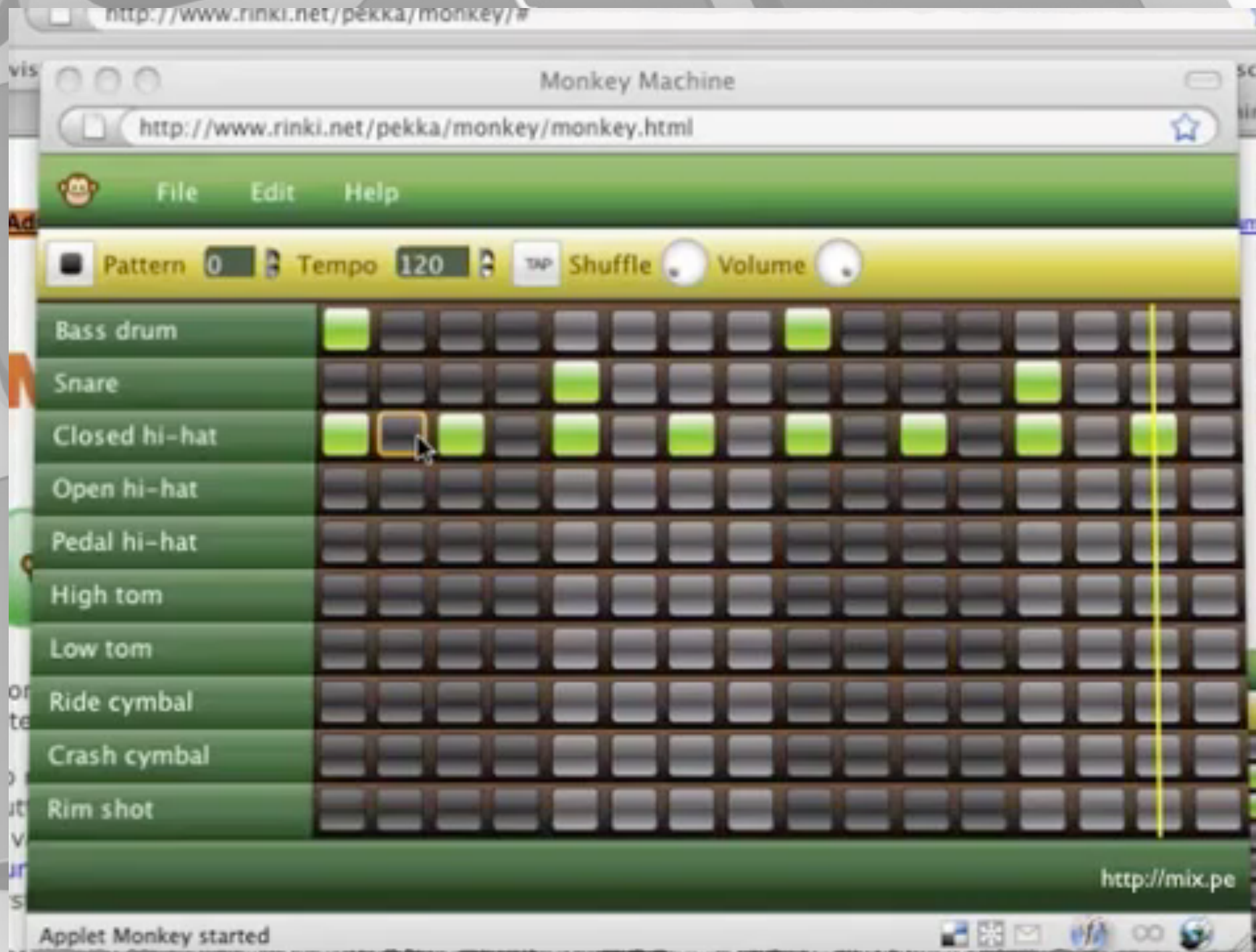
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Creating Loops and Patterns

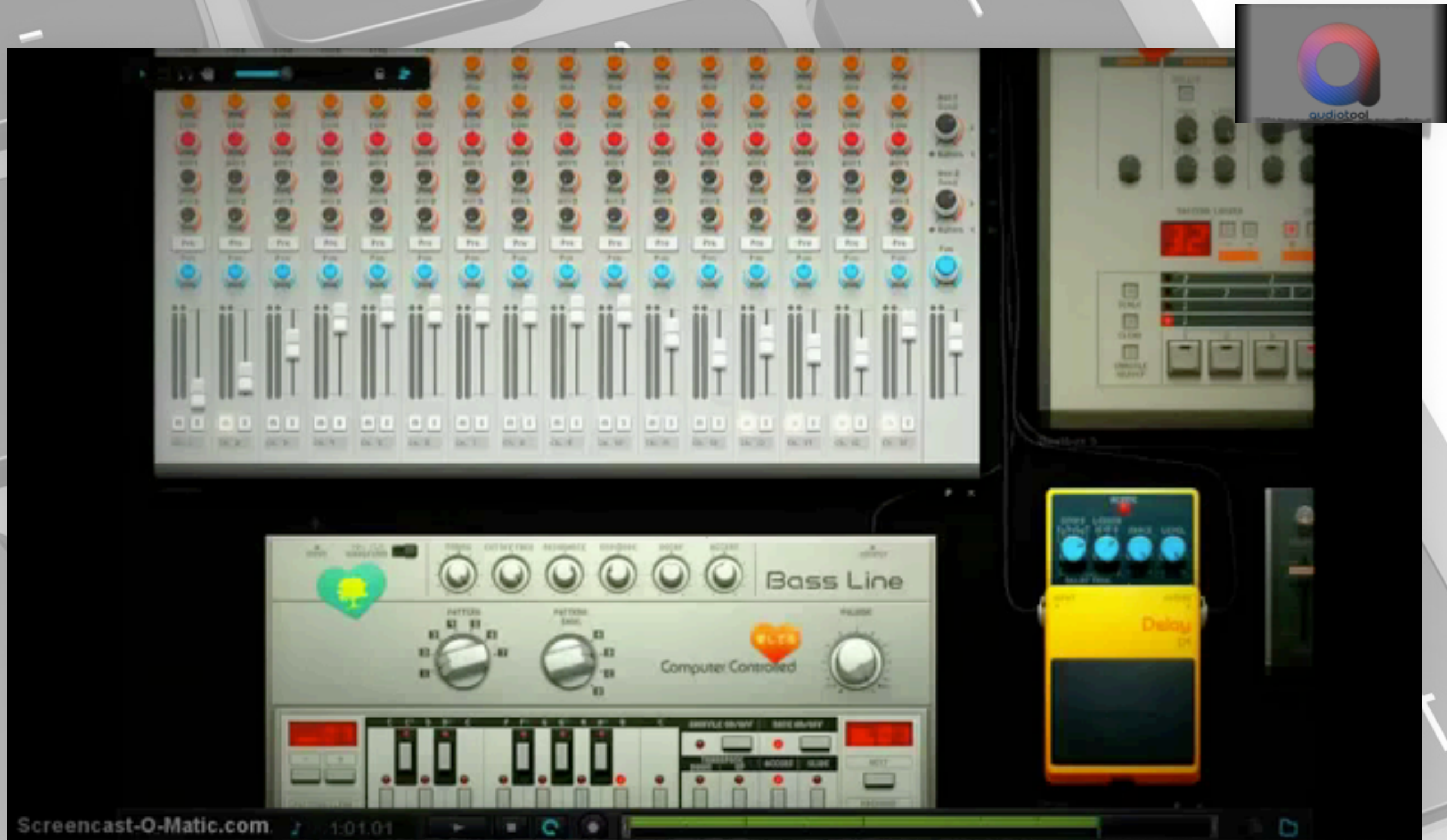
www.tonematrix.audiotool.com

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Creating Loops and Patterns
www.rinki.net/pekka/monkey

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Creating Loops and Patterns
www.audiotoool.com

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Creating Loops and Patterns
www.onemotion.com/flash/drum-machine

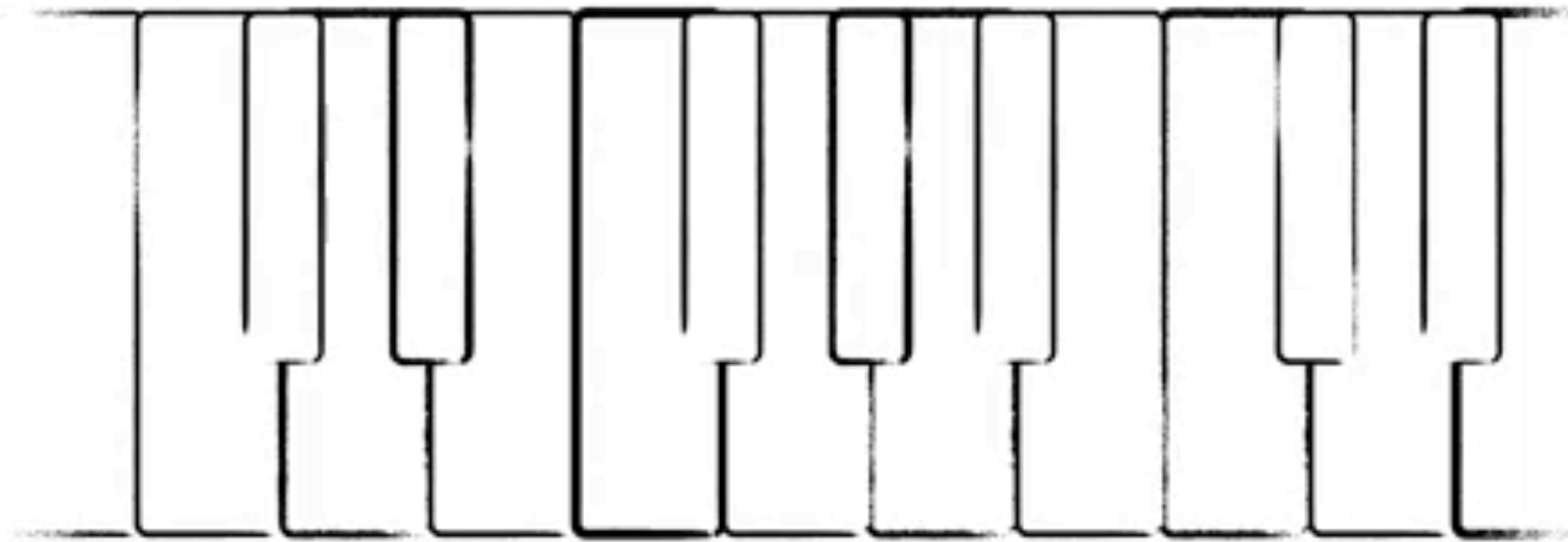
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Press any key, A to Z or spacebar, and turn up speakers

Creating Loops and Patterns
www.patatap.com

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Creating Loops and Patterns
www.musiclab.chromeexperiments.com



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**REMASTERING,
ARANŻACJA
I KOMPOZYCJA**

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Creating Loops and Patterns
<http://isleoftune.com>

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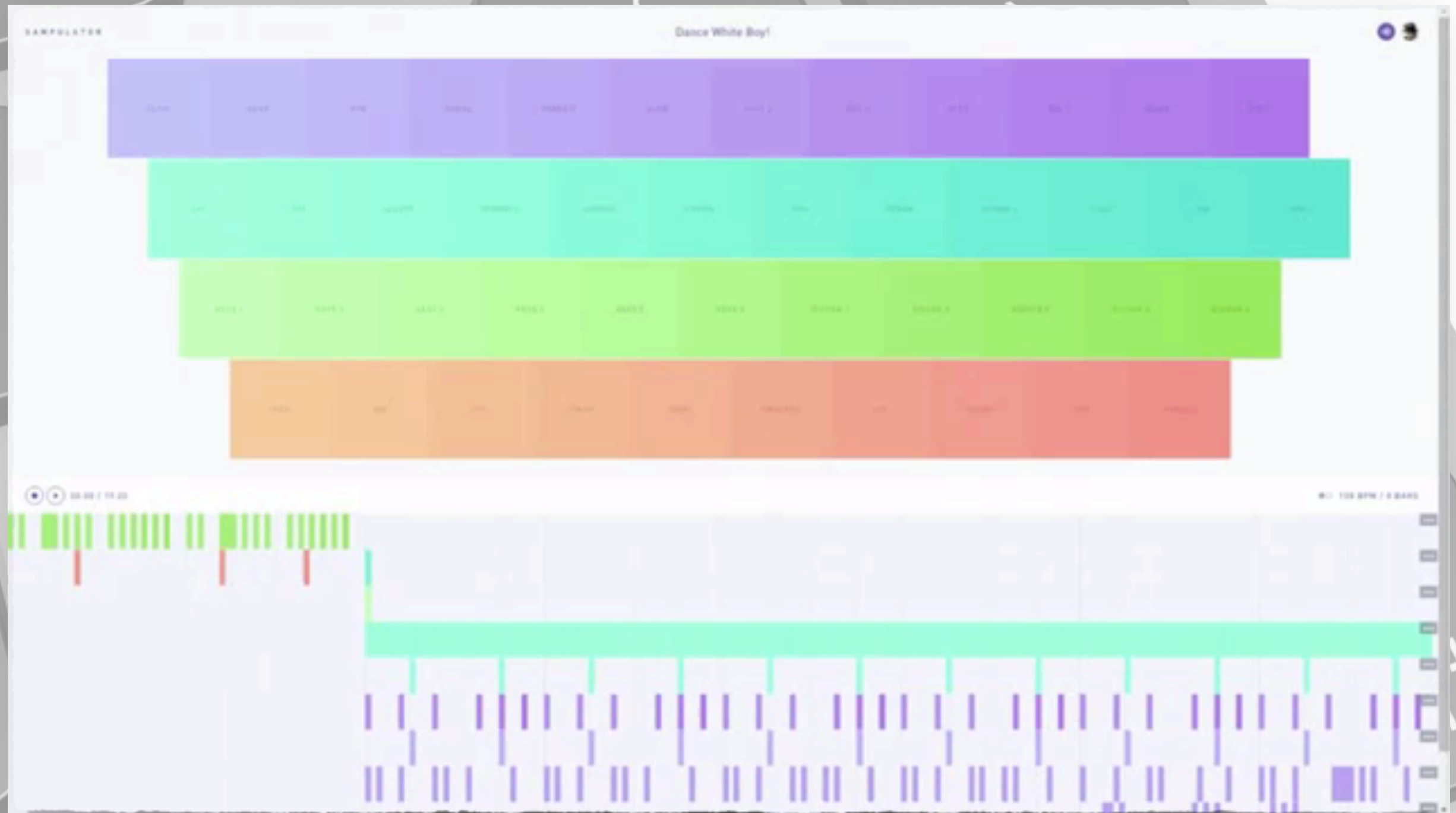
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Incredibox



Remastering, aranżacja i kompozycja
www.incredibox.com

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Remastering, aranżacja i kompozycja
www.sampulator.com

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Remastering, aranżacja i kompozycja
www.hooktheory.com

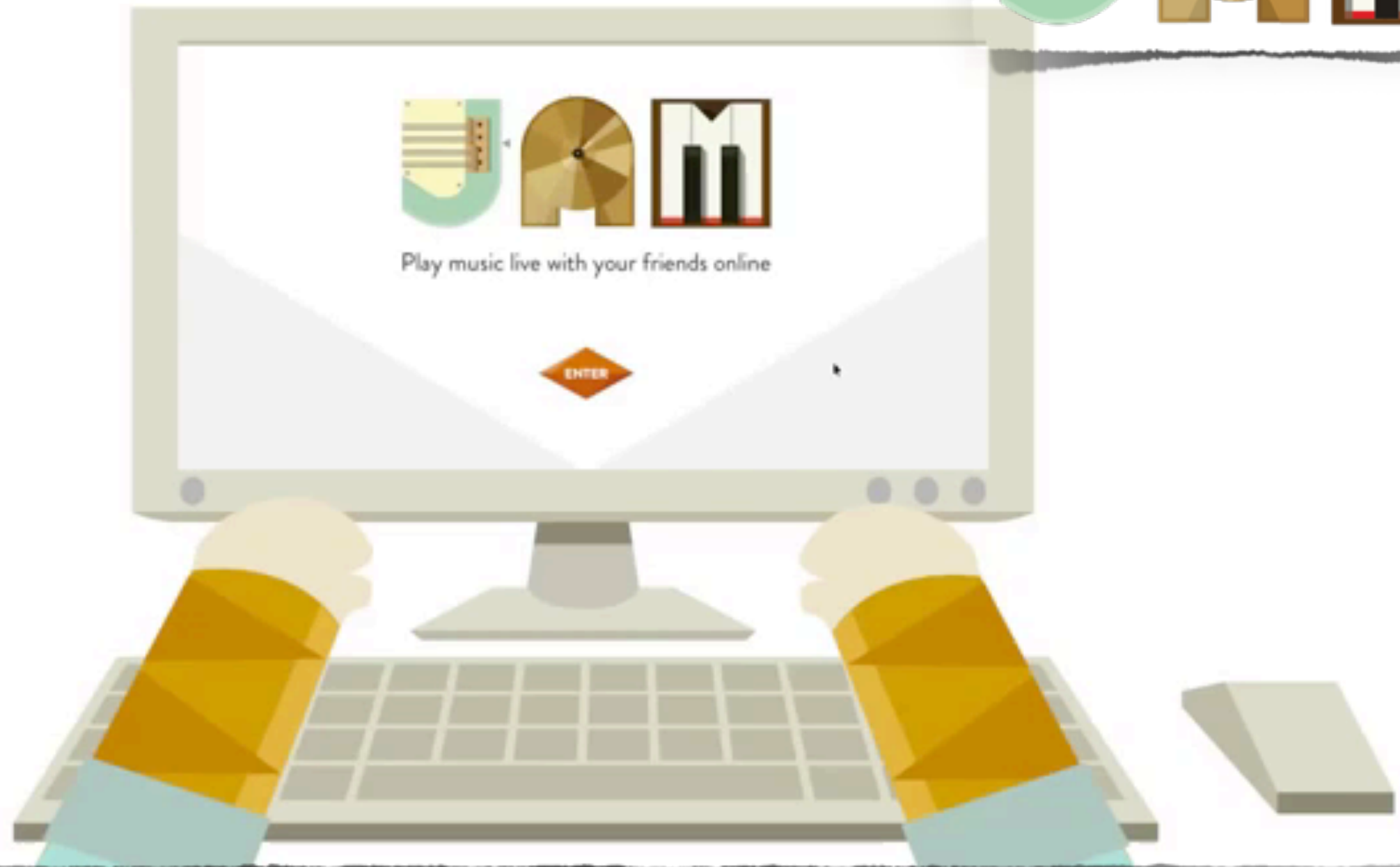


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**WIRTUALNE
INSTRUMENTY**

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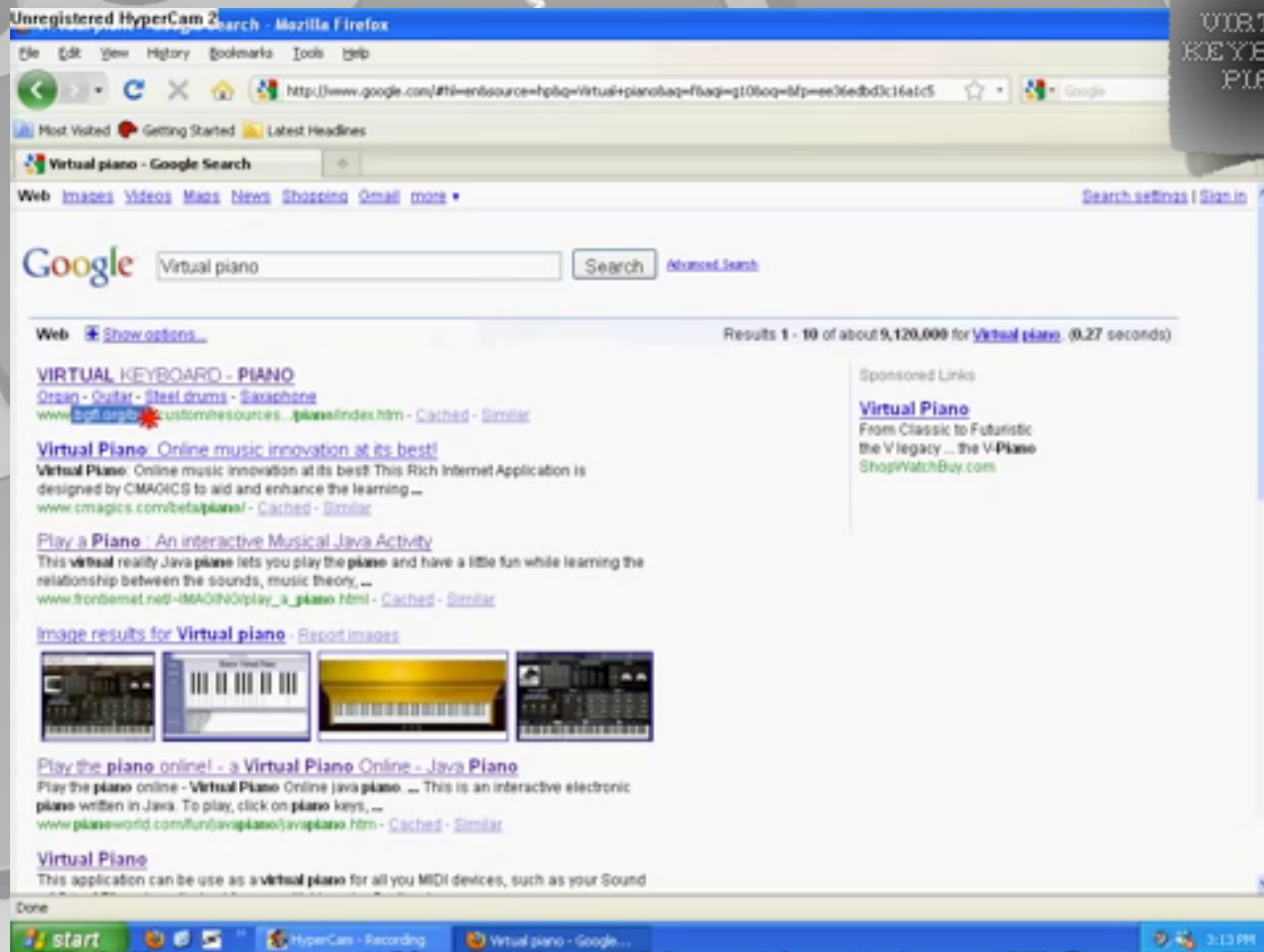
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? **Wirtualne instrumenty**
[www.jamwithchrome.com music/piano](http://www.jamwithchrome.com/music/piano)

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Wirtualne instrumenty

www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks2/



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MUSIC EDUCATIONS**
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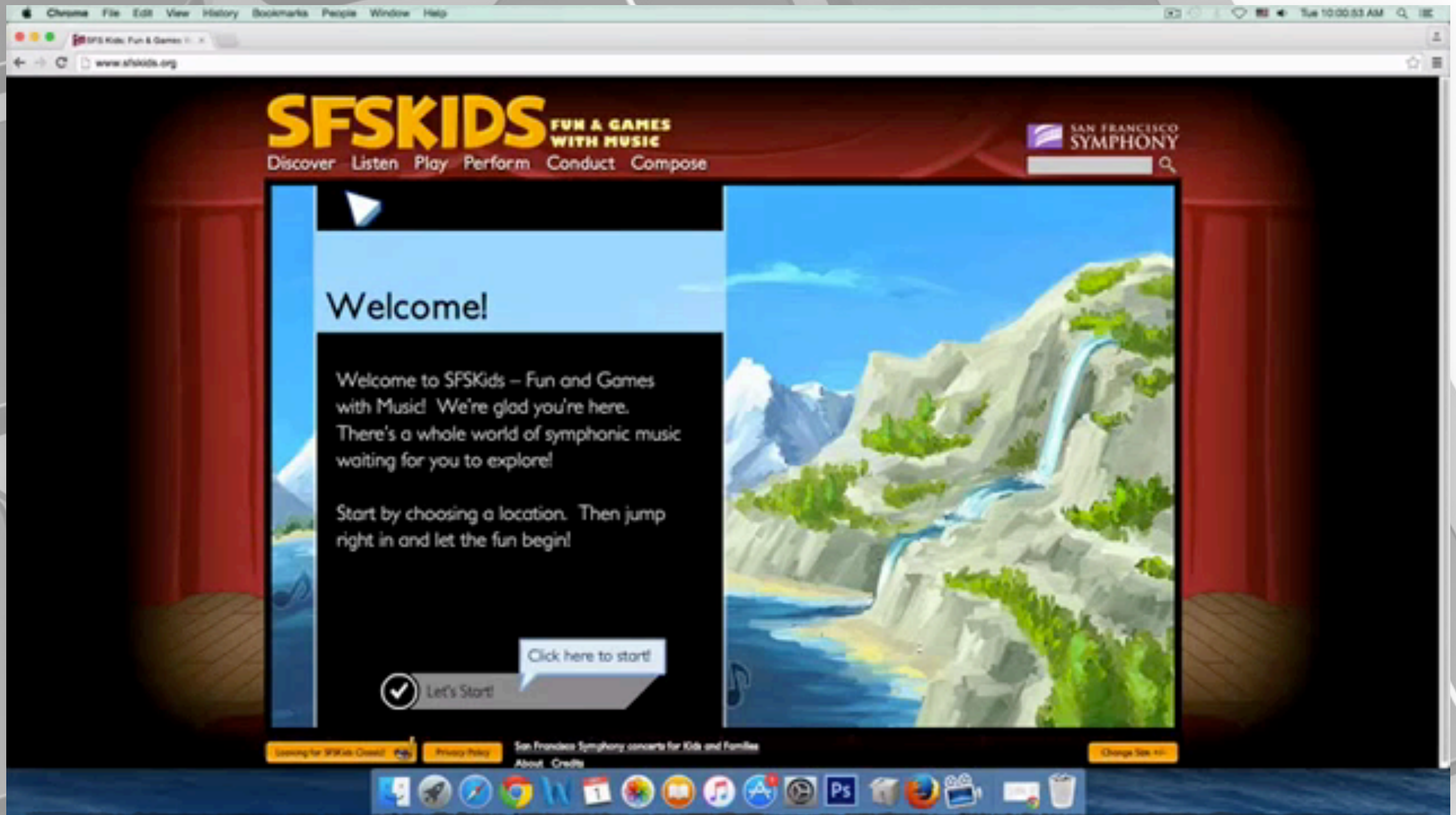
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www.quavermusic.com

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On-line music education
www.nyphilkids.org

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! **On-line music education**
www.sfskids.org



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**ON-LINE
MUSIC CLASS**

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inSync® April 19, 2016

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Glossary

Since its launch in 1997, Sweetwater's Word for the Day feature has presented nearly 4,700 music and audio technology terms. Our definitions can help you cut through industry jargon, so you can understand what's going on.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1-bit	2U	500 Series Equalizer
1/4 Wave	2x10	500 Series Module
1/8 Space	2x12	500 Series Preamp
12-bar Blues	3+3 Headstock	500-series Chassis
12AX7	3-point Edit	500-series Rack
13-pin	3-saddle Bridge	5A (Drumstick)
1394	3-way Pickup Selector	5AR4
1394a	3-way System	5B (Drumstick)
1394b	3-way Toggle Switch	5U4G
16-bit	3/2 Pull Down	5U4GB
1957/2008 Pickups	32-bit	5Y3
1U	335	6-in-line Headstock

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www.sweetwater.com/insync/category/glossary/

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Metronome^{ONLINE}

Join to track your practice,
form groups, and improve
your music skills!

[LEARN MORE](#)

email

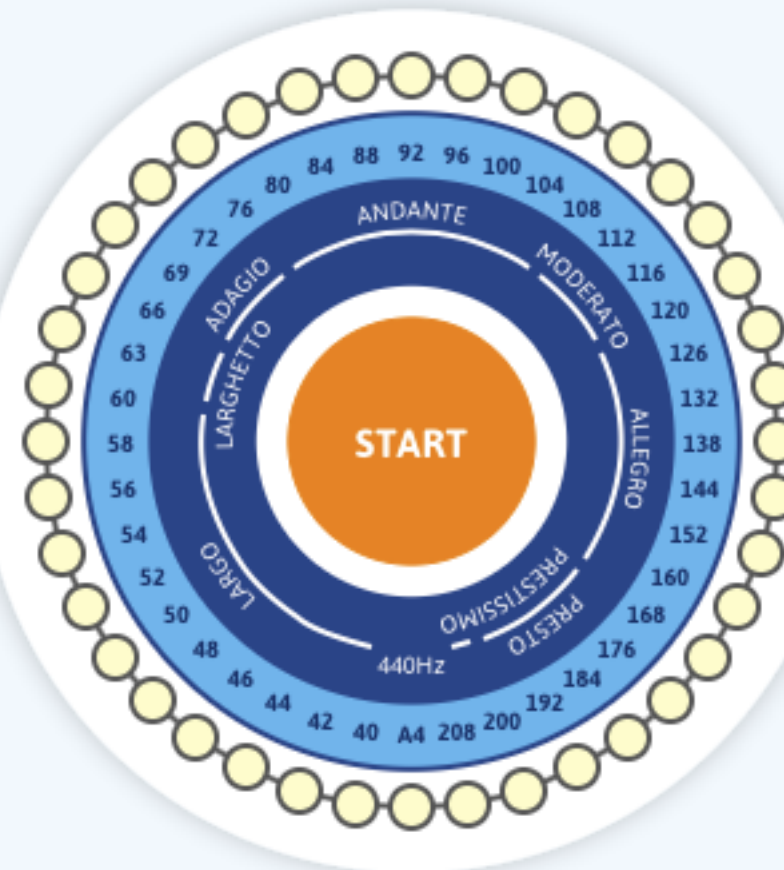
password

JOIN NOW

FREE!

A free online metronome ideal for quick
and easy use while practicing music.
Metronome Online is reliable, simple to
use and helps with your rhythm and
tempo.

Practice



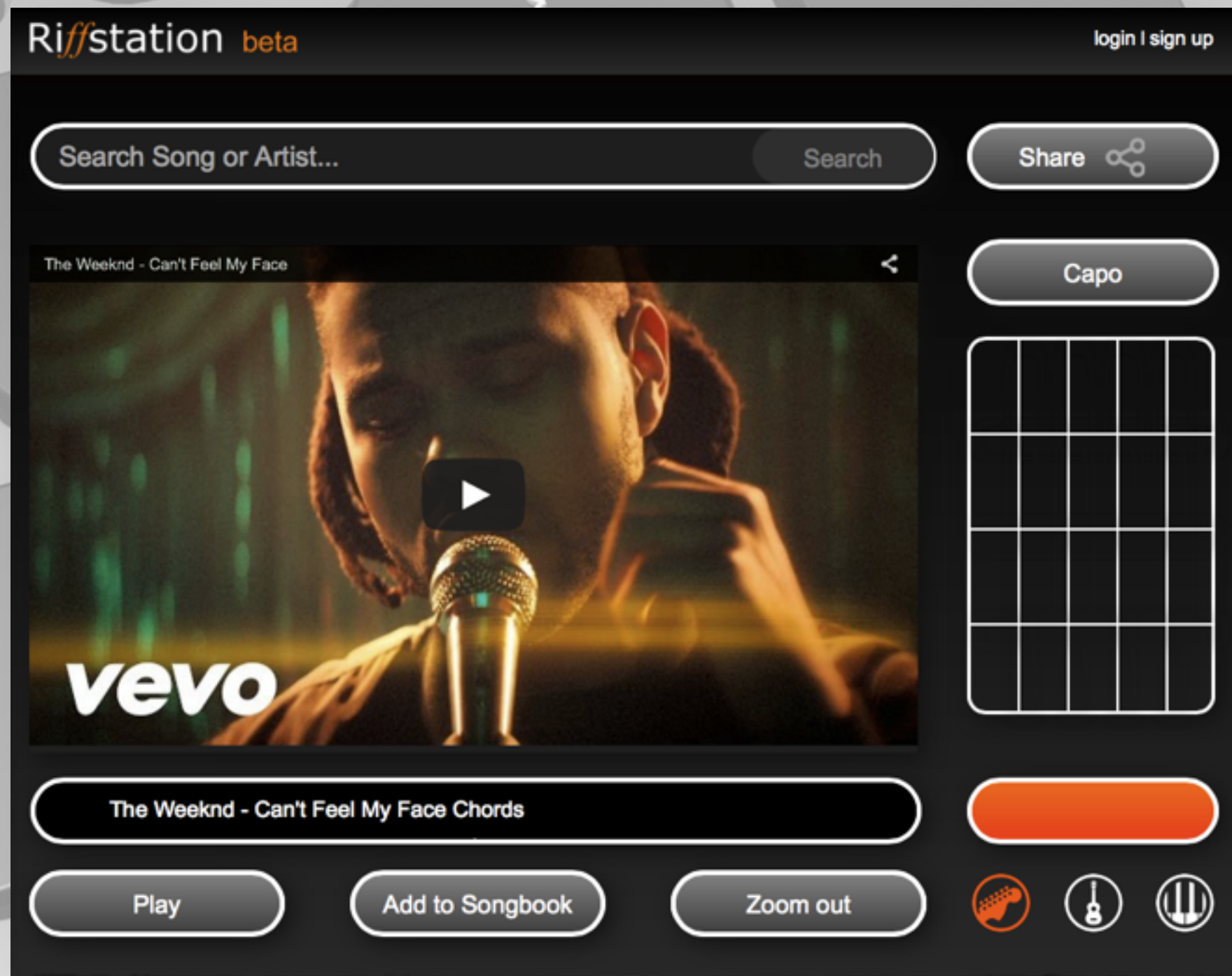
Use the legacy version of Metronome online

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www.metronomeonline.com

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On-line music class
www.play.riffstation.com

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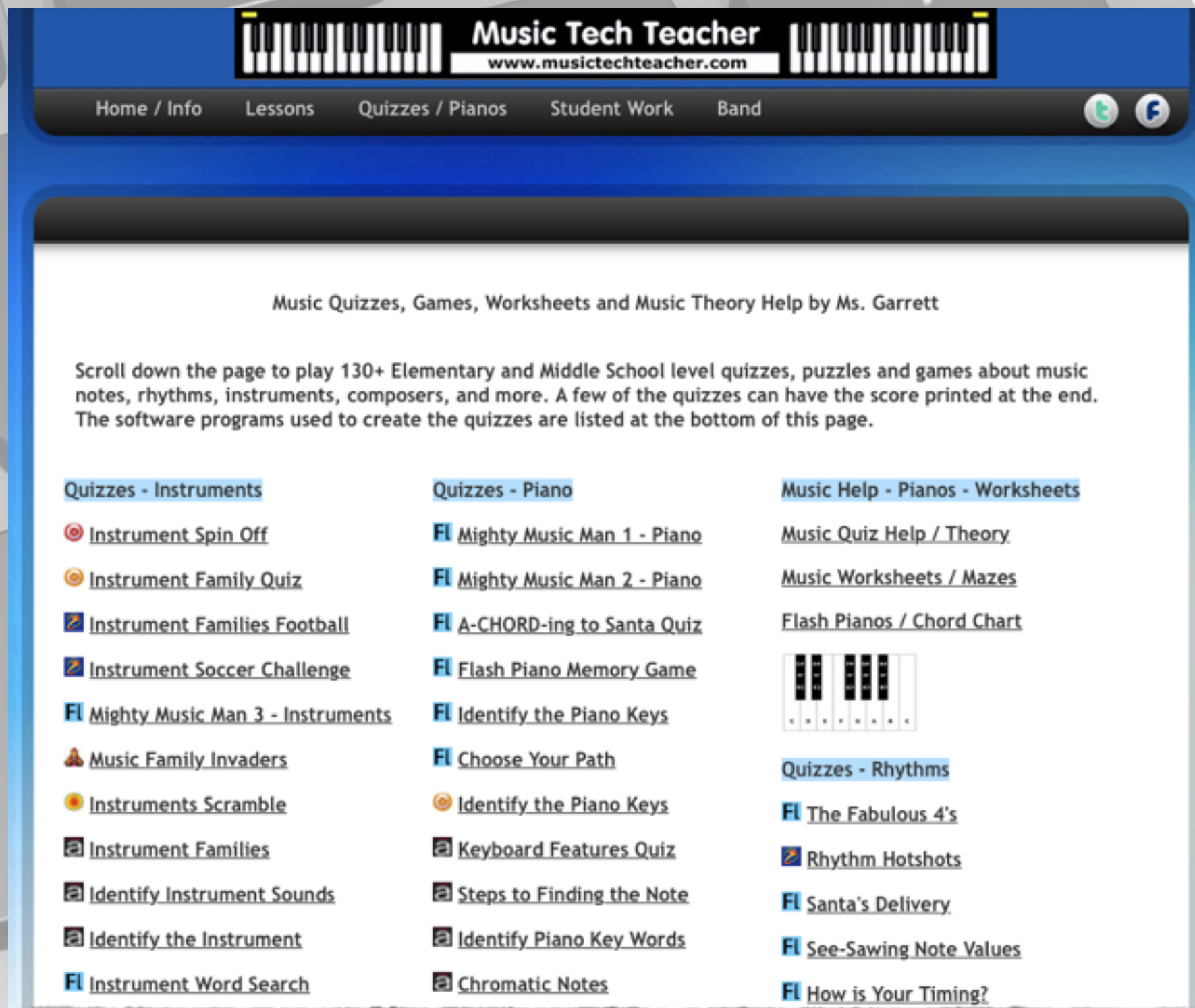


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On-line music class
www.getkahoot.com

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The screenshot shows the 'Music Tech Teacher' website. The header features a piano keyboard graphic and the site's name and URL. A navigation bar includes links for Home / Info, Lessons, Quizzes / Pianos, Student Work, and Band. The main content area is titled 'Music Quizzes, Games, Worksheets and Music Theory Help by Ms. Garrett'. It contains a paragraph about the site's offerings and three columns of links to various activities. A small piano keyboard graphic is also visible in the middle right section.

Music Quizzes, Games, Worksheets and Music Theory Help by Ms. Garrett

Scroll down the page to play 130+ Elementary and Middle School level quizzes, puzzles and games about music notes, rhythms, instruments, composers, and more. A few of the quizzes can have the score printed at the end. The software programs used to create the quizzes are listed at the bottom of this page.

Quizzes - Instruments	Quizzes - Piano	Music Help - Pianos - Worksheets
Instrument Spin Off	Mighty Music Man 1 - Piano	Music Quiz Help / Theory
Instrument Family Quiz	Mighty Music Man 2 - Piano	Music Worksheets / Mazes
Instrument Families Football	A-CHORD-ing to Santa Quiz	Flash Pianos / Chord Chart
Instrument Soccer Challenge	Flash Piano Memory Game	
Mighty Music Man 3 - Instruments	Identify the Piano Keys	Quizzes - Rhythms
Music Family Invaders	Choose Your Path	The Fabulous 4's
Instruments Scramble	Identify the Piano Keys	Rhythm Hotshots
Instrument Families	Keyboard Features Quiz	Santa's Delivery
Identify Instrument Sounds	Steps to Finding the Note	See-Sawing Note Values
Identify the Instrument	Identify Piano Key Words	How is Your Timing?
Instrument Word Search	Chromatic Notes	

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www.musictechteacher.com/music_quizzes/

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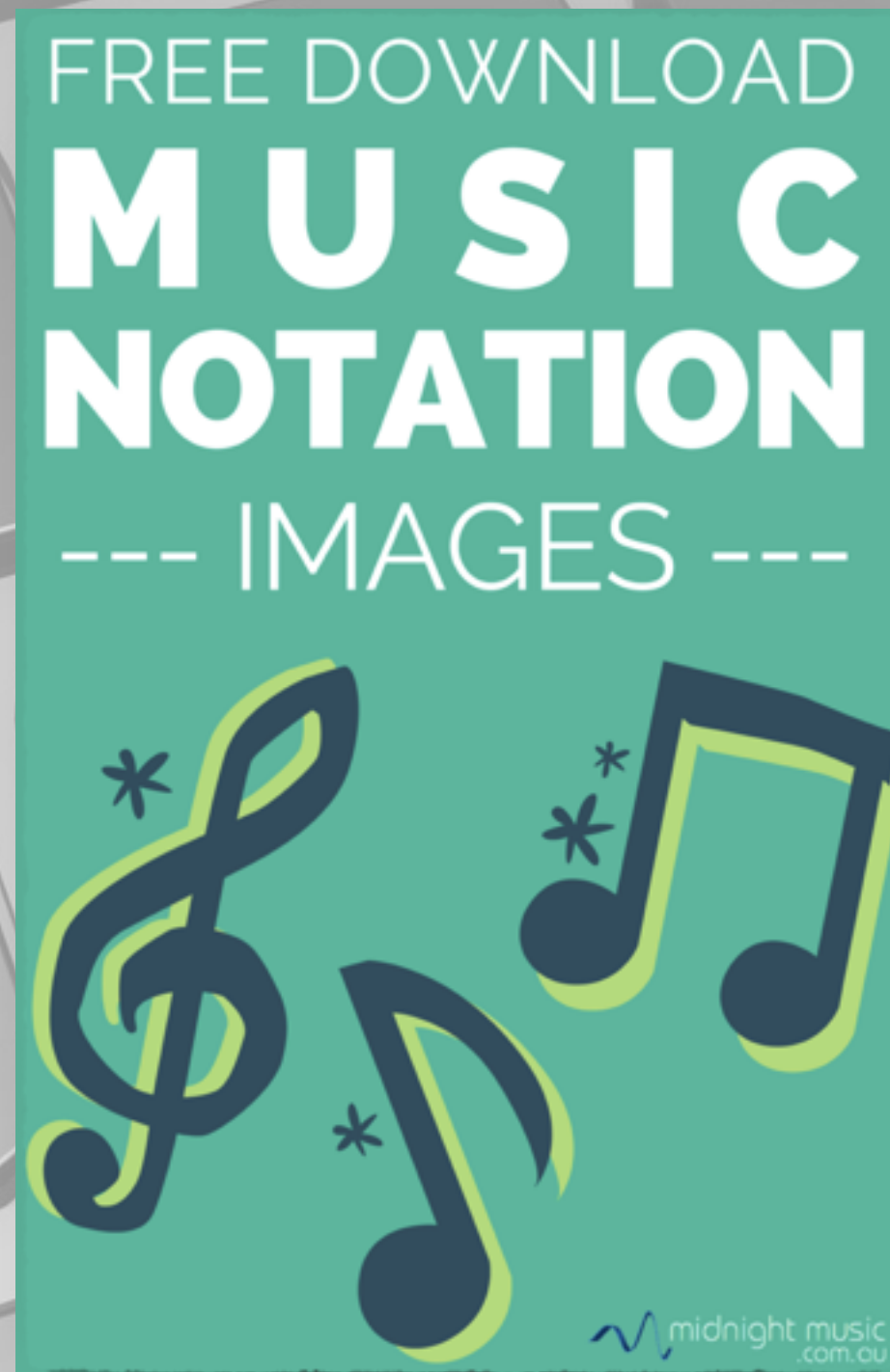
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On-line music class

www.classtools.net/random-name-picker/index.php

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www.midnightmusic.com.au/2013/06/the-big-free-music-

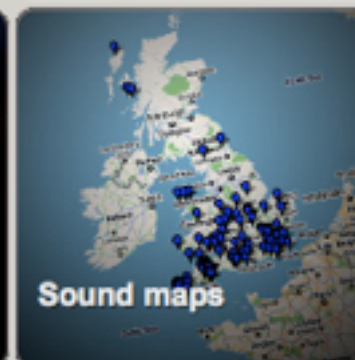
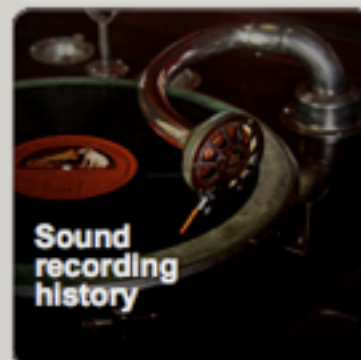
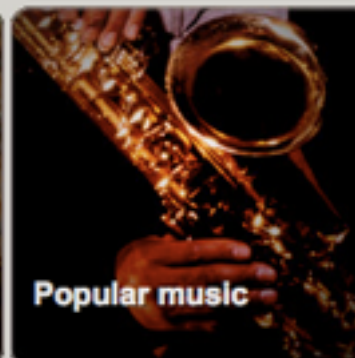
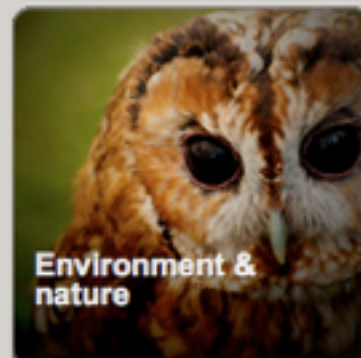
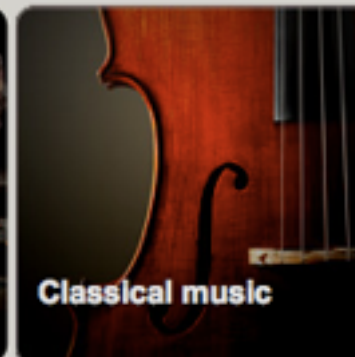
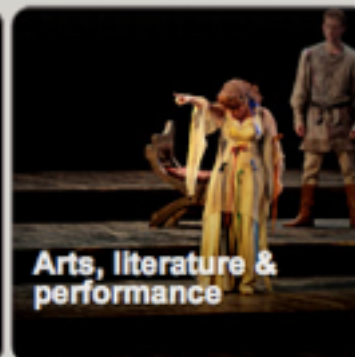
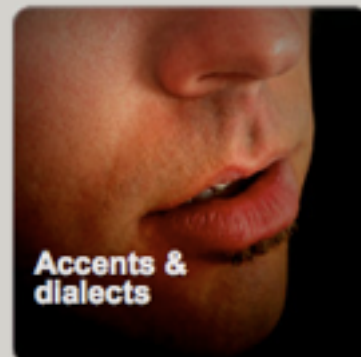
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British Library Sounds

Listen to a selection from the British Library's extensive collections of unique sound recordings, which come from all over the world and cover the entire range of recorded sound: music, drama and literature, oral history, wildlife and environmental sounds.

Please note that for mobile and tablet devices running recent releases of the iOS operating system some longer recordings may not play in their entirety. [Report a problem](#)



On-line music class

www.sounds.bl.uk-notation-image-library/

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K-12 Resources for Music Educators

Valuable resources for music educators and students of all areas and educational levels. Carefully researched and commercial free.
Domains: k-12music.com and k-12music.org

PROTECTED BY **COPYSCAPE** DO NOT COPY

Band

Choir

Orchestra

Classroom

All Music

Welcome! You are visitor

03062951

On-line music class
www.sites.google.com/site/k12musicresources/

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Table of Contents

- Elementary-General Music Apps
- Music Theory & Basic Skills Apps
- Music Aids and Utilities Apps
- Notation Apps, eScore Readers, eScore Play Alongs
- Instruments: Traditional, Ethnic, and Electronic

Table Abbreviations

iOS = Apple's operating system for iPhone and iPad

AD = Android operating system developed by Google

IAA = Apple's Inter-App Audio

AudioBus = Third party connectivity developed prior to IAA

MusicXML = universal file format for notation files

MIDI = Music Instrument Digital Interface thru USB or wireless;

Note: functional MIDI on Android dependent on version of Android OS and the device's hardware implementation.



Coach4Technology & tech4Music

Guidance and solutions for achieving your technology goals: personal, professional, or music & music education

- Synthesizers, Sequencers, & the Like
- Digital Audio, Editing, DAWs and More Apps
- Hardware & Accessories for Tablets

Cost Codes

Paid+ = more than \$15

Paid = \$0.99 up to ~ \$15

Free

In-App= features purchased as add-ons to the app

Sub = subscription fee required



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www.coach4technology.net



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