



# Using Technology to Augment Teaching

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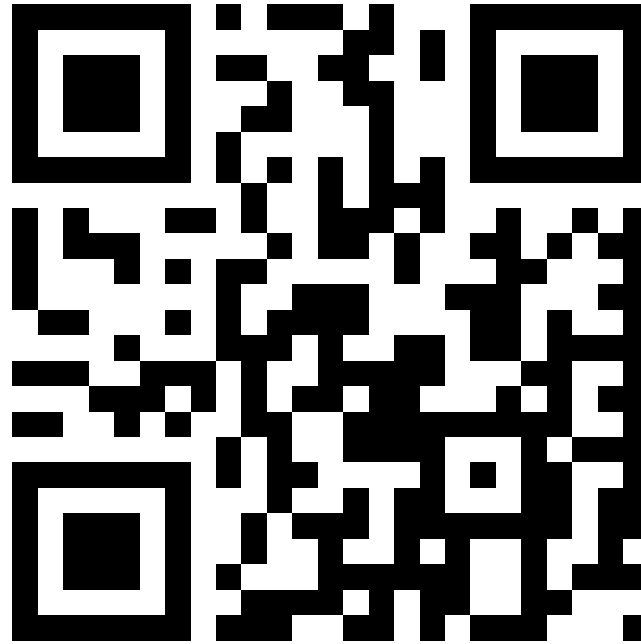


# What's the plan?

- ▶ How can we use technology to assess students at an individual level while engaging an entire class of students?
- ▶ How can we combine various technologies to do things they weren't designed to do?
- ▶ How can we use technology to provide more feedback to students?
- ▶ What technology can students use for practicing at home?
- ▶ How can we easily communicate with the community?
- ▶ How can we find out how to use technology in the classroom?
- ▶ How can we share resources with others?
- ▶ Further discussion and questions

# How to reach the resources

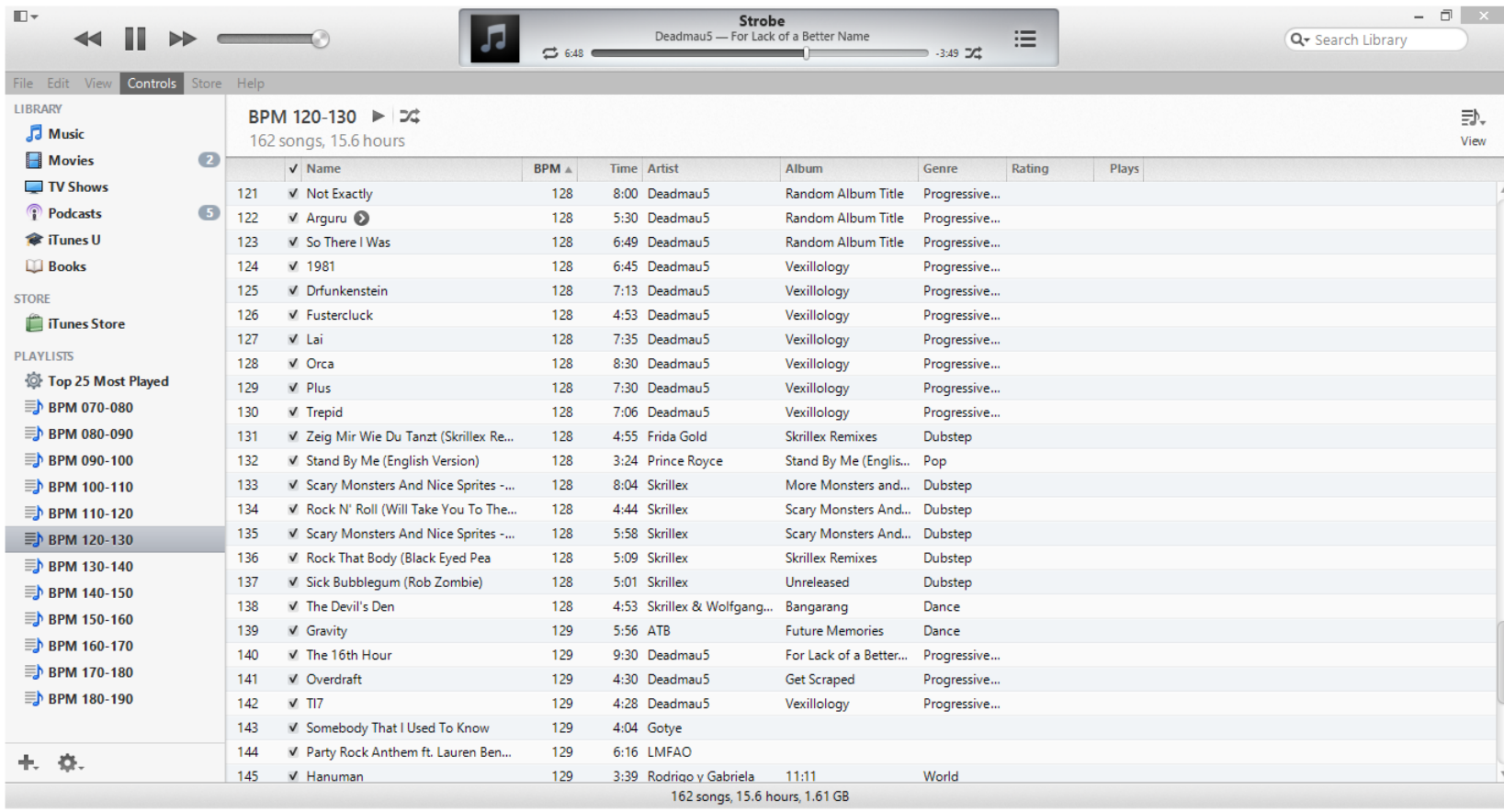
- ▶ [www.JaredOLEary.com](http://www.JaredOLEary.com)
  - ▶ Music Education Presentations
  - ▶ Using Technology to Augment Teaching





How can we use technology to assess students at an individual level while engaging an entire class of students?

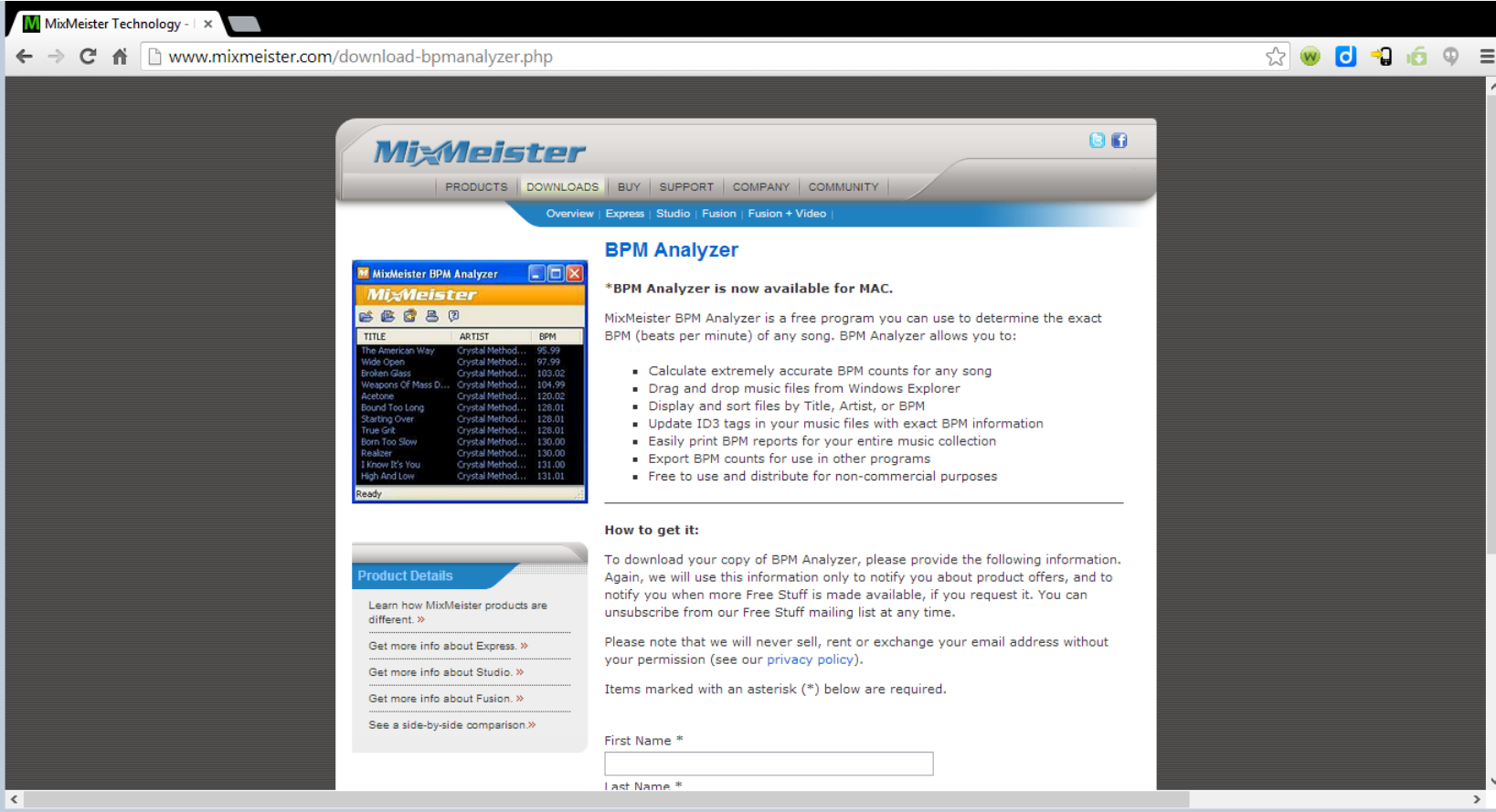
# Stepping off the podium: MP3 Players



The screenshot shows the iTunes application window. At the top, there is a playback control bar with a play button, a progress slider, and a song title "Strobe" by Deadmau5. Below this is a menu bar with "File", "Edit", "View", "Controls", "Store", and "Help". The main interface is divided into a left sidebar and a main content area. The sidebar has sections for "LIBRARY" (Music, Movies, TV Shows, Podcasts, iTunes U, Books), "STORE" (iTunes Store), and "PLAYLISTS" (Top 25 Most Played, BPM 070-080, BPM 080-090, BPM 090-100, BPM 100-110, BPM 110-120, BPM 120-130, BPM 130-140, BPM 140-150, BPM 150-160, BPM 160-170, BPM 170-180, BPM 180-190). The main content area displays a playlist titled "BPM 120-130" with 162 songs and 15.6 hours of music. The playlist is shown in a table view with columns for Name, BPM, Time, Artist, Album, Genre, Rating, and Plays. The table lists 15 songs, including "Not Exactly", "Arguru", "So There I Was", "1981", "Drfunkenstein", "Fustercluck", "Lai", "Orca", "Plus", "Trepid", "Zeig Mir Wie Du Tanz (Skrillex Re...", "Stand By Me (English Version)", "Scary Monsters And Nice Sprites -...", "Rock N' Roll (Will Take You To The...", "Scary Monsters And Nice Sprites -...", "Rock That Body (Black Eyed Pea", "Sick Bubblegum (Rob Zombie)", "The Devil's Den", "Gravity", "The 16th Hour", "Overdraft", "T17", "Somebody That I Used To Know", "Party Rock Anthem ft. Lauren Ben...", and "Hanuman".

	Name	BPM	Time	Artist	Album	Genre	Rating	Plays
121	Not Exactly	128	8:00	Deadmau5	Random Album Title	Progressive...		
122	Arguru	128	5:30	Deadmau5	Random Album Title	Progressive...		
123	So There I Was	128	6:49	Deadmau5	Random Album Title	Progressive...		
124	1981	128	6:45	Deadmau5	Vexillology	Progressive...		
125	Drfunkenstein	128	7:13	Deadmau5	Vexillology	Progressive...		
126	Fustercluck	128	4:53	Deadmau5	Vexillology	Progressive...		
127	Lai	128	7:35	Deadmau5	Vexillology	Progressive...		
128	Orca	128	8:30	Deadmau5	Vexillology	Progressive...		
129	Plus	128	7:30	Deadmau5	Vexillology	Progressive...		
130	Trepid	128	7:06	Deadmau5	Vexillology	Progressive...		
131	Zeig Mir Wie Du Tanz (Skrillex Re...	128	4:55	Frida Gold	Skrillex Remixes	Dubstep		
132	Stand By Me (English Version)	128	3:24	Prince Royce	Stand By Me (Englis...	Pop		
133	Scary Monsters And Nice Sprites -...	128	8:04	Skrillex	More Monsters and...	Dubstep		
134	Rock N' Roll (Will Take You To The...	128	4:44	Skrillex	Scary Monsters And...	Dubstep		
135	Scary Monsters And Nice Sprites -...	128	5:58	Skrillex	Scary Monsters And...	Dubstep		
136	Rock That Body (Black Eyed Pea	128	5:09	Skrillex	Skrillex Remixes	Dubstep		
137	Sick Bubblegum (Rob Zombie)	128	5:01	Skrillex	Unreleased	Dubstep		
138	The Devil's Den	128	4:53	Skrillex & Wolfgang...	Bangarang	Dance		
139	Gravity	129	5:56	ATB	Future Memories	Dance		
140	The 16th Hour	129	9:30	Deadmau5	For Lack of a Better...	Progressive...		
141	Overdraft	129	4:30	Deadmau5	Get Scraped	Progressive...		
142	T17	129	4:28	Deadmau5	Vexillology	Progressive...		
143	Somebody That I Used To Know	129	4:04	Gotye				
144	Party Rock Anthem ft. Lauren Ben...	129	6:16	LMFAO				
145	Hanuman	129	3:39	Rodrigo y Gabriela	11:11	World		

# Stepping off the podium: BPM Analyzer



MixMeister Technology - | x  
www.mixmeister.com/download-bpmanalyzer.php

**MixMeister**

PRODUCTS | DOWNLOADS | BUY | SUPPORT | COMPANY | COMMUNITY

Overview | Express | Studio | Fusion | Fusion + Video

## BPM Analyzer

\*BPM Analyzer is now available for MAC.

MixMeister BPM Analyzer is a free program you can use to determine the exact BPM (beats per minute) of any song. BPM Analyzer allows you to:

- Calculate extremely accurate BPM counts for any song
- Drag and drop music files from Windows Explorer
- Display and sort files by Title, Artist, or BPM
- Update ID3 tags in your music files with exact BPM information
- Easily print BPM reports for your entire music collection
- Export BPM counts for use in other programs
- Free to use and distribute for non-commercial purposes

**How to get it:**

To download your copy of BPM Analyzer, please provide the following information. Again, we will use this information only to notify you about product offers, and to notify you when more Free Stuff is made available, if you request it. You can unsubscribe from our Free Stuff mailing list at any time.

Please note that we will never sell, rent or exchange your email address without your permission (see our [privacy policy](#)).

Items marked with an asterisk (\*) below are required.

First Name \*

Last Name \*

TITLE	ARTIST	BPM
The American Way	Crystal Method...	96.99
Wide Open	Crystal Method...	97.99
Broken Glass	Crystal Method...	100.02
Weapons Of Mass D...	Crystal Method...	104.99
Acezone	Crystal Method...	120.02
Bound Too Long	Crystal Method...	128.01
Starting Over	Crystal Method...	128.01
True Size	Crystal Method...	128.01
Born Too Slow	Crystal Method...	130.00
Realizer	Crystal Method...	130.00
I Know It's You	Crystal Method...	131.00
High And Low	Crystal Method...	131.01

Product Details

Learn how MixMeister products are different. >

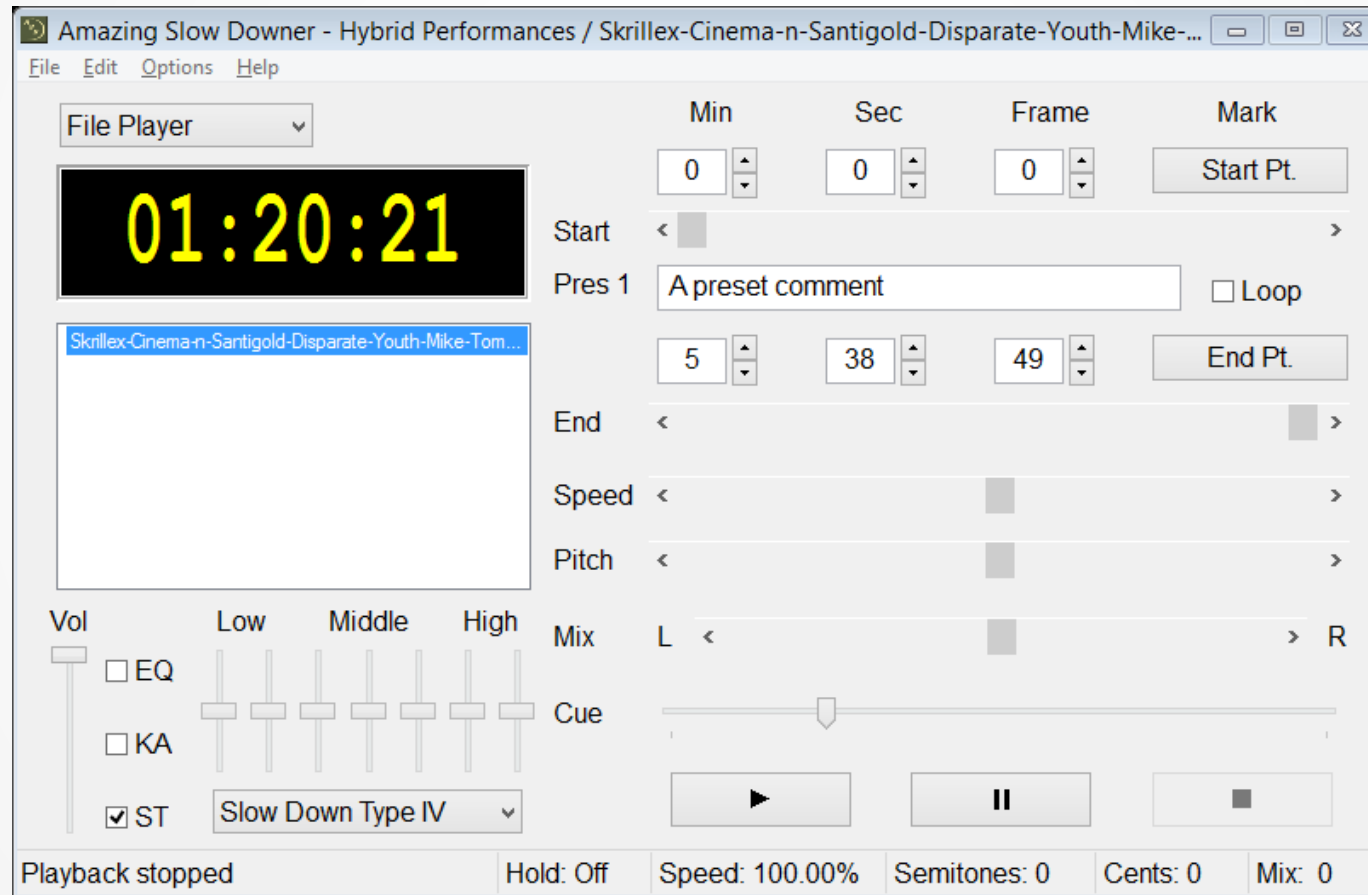
Get more info about Express. >

Get more info about Studio. >

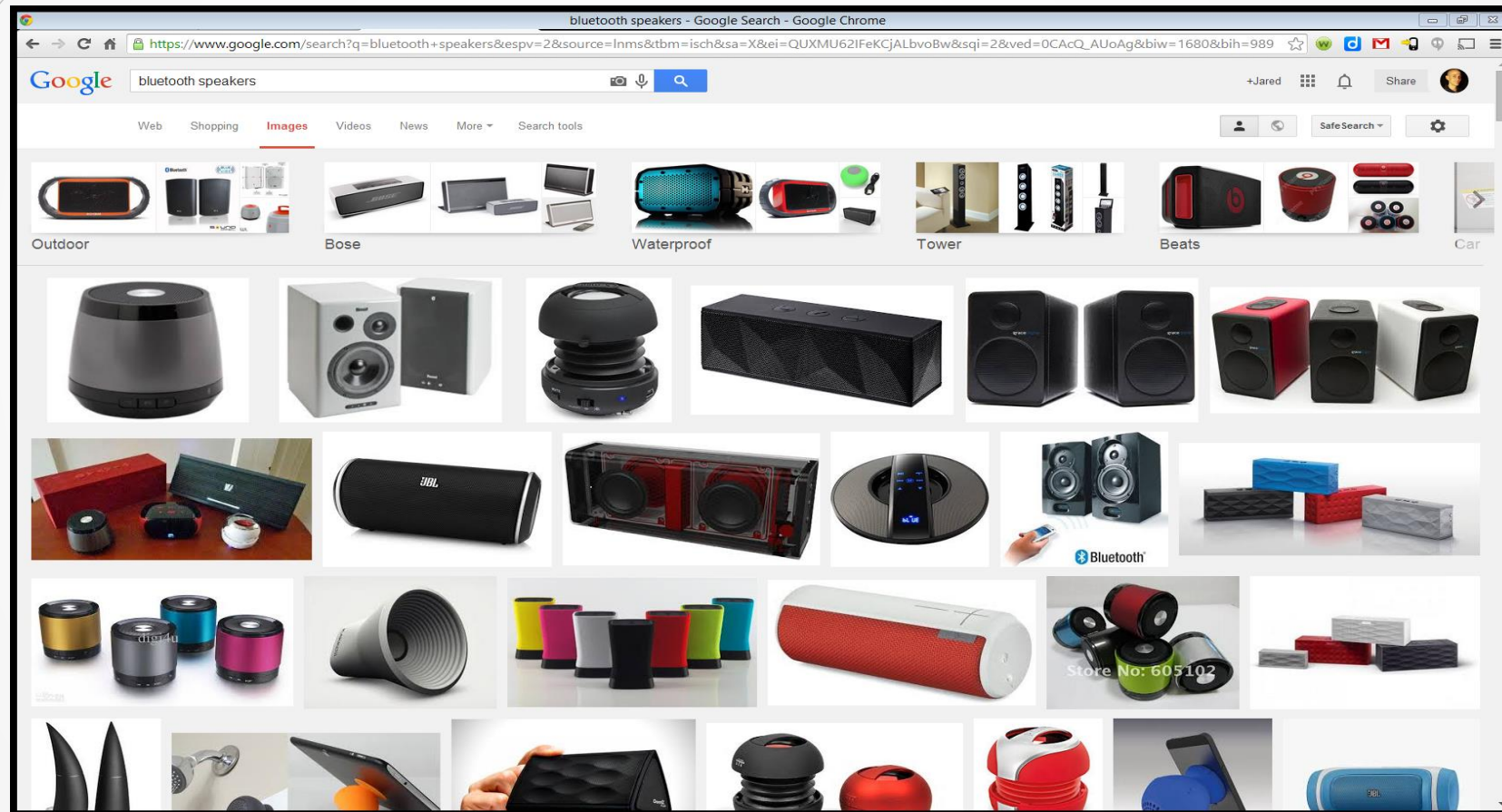
Get more info about Fusion. >

See a side-by-side comparison >

# Stepping off the podium: Amazing Slow Downer



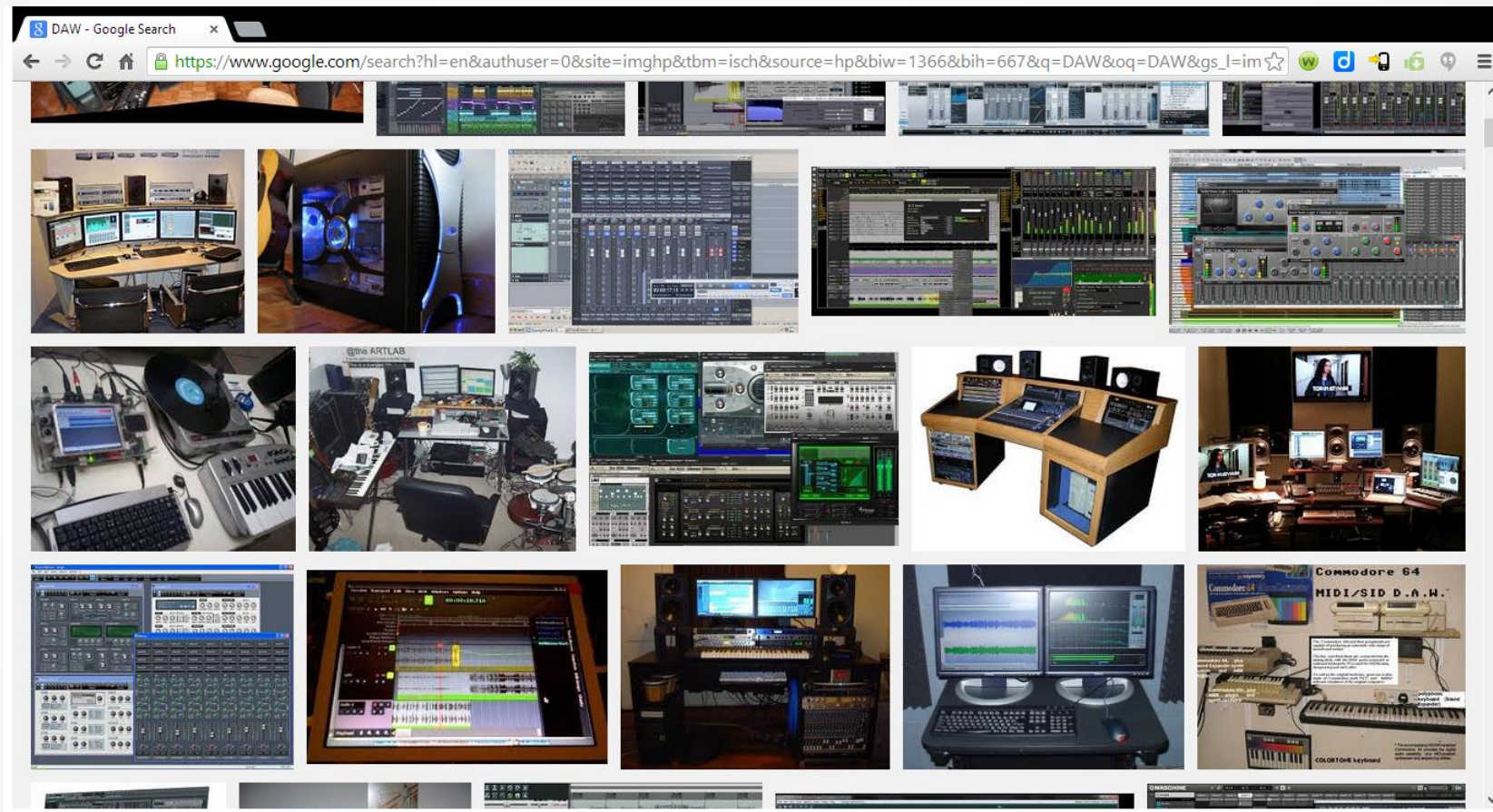
# Stepping off the podium: Bluetooth speakers



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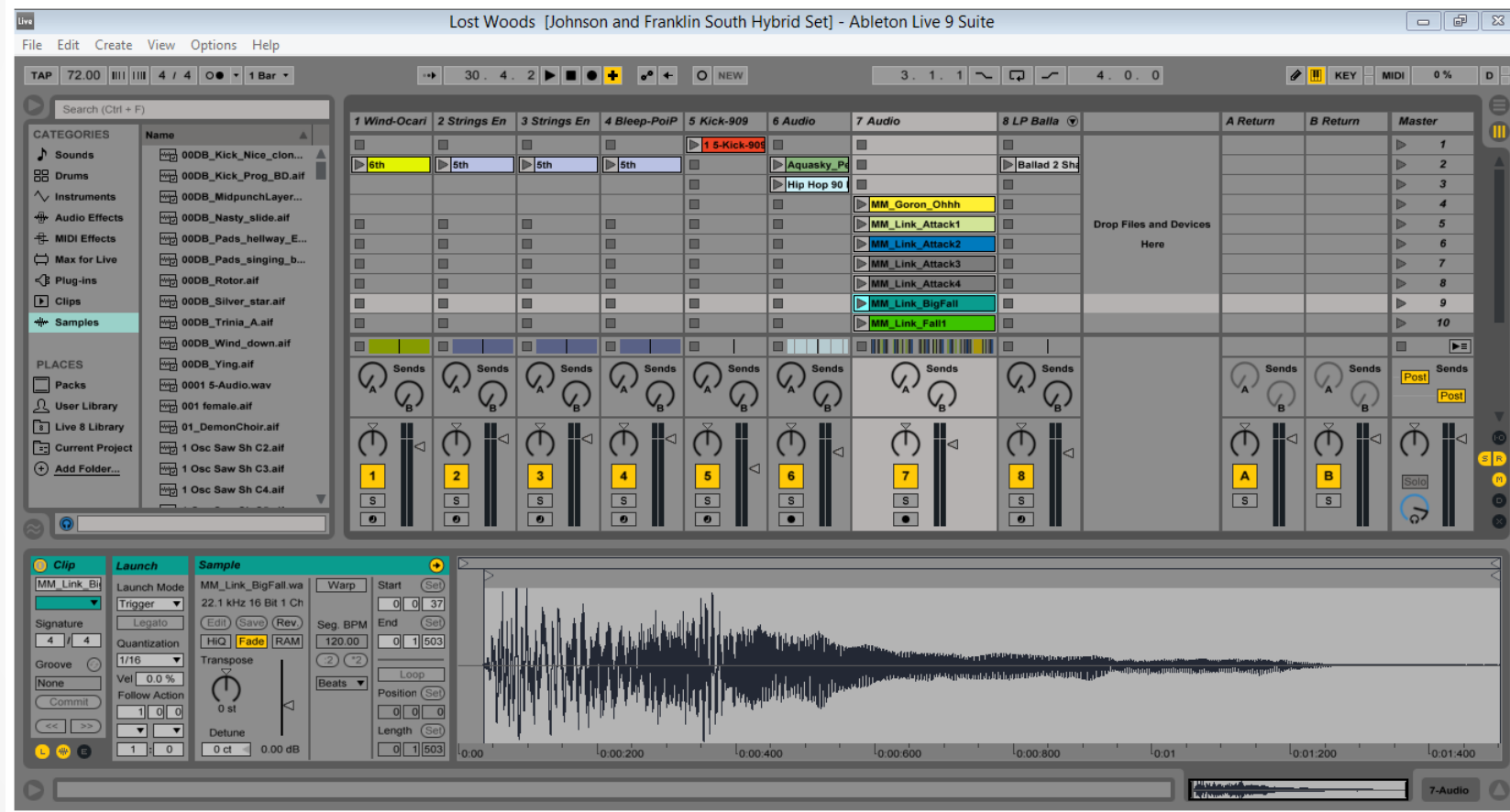


# Stepping off the podium: DAWs



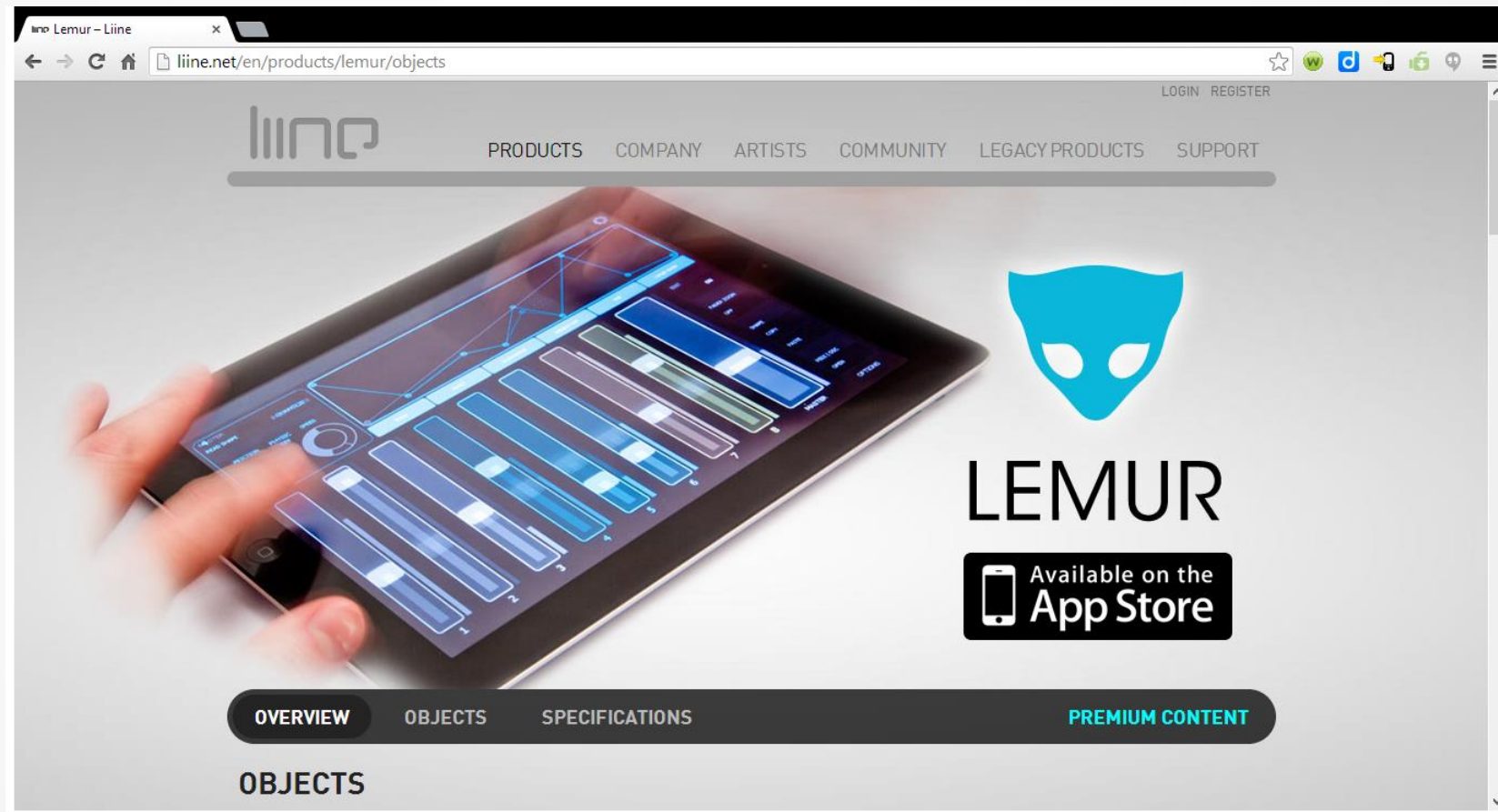
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# Stepping off the podium: Ableton Live




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# Stepping off the podium: MIDI Controllers



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How can we combine various technologies to do things they weren't designed to do?



How can we use technology to  
provide more feedback to students?



# Augmenting Student Feedback: SoundCloud

The screenshot shows a YouTube video player interface. The video title is "Hot Cross Buns" by jdoleary, uploaded 2 months ago. The video player shows a waveform visualization of the audio. Below the video player, there is a description: "5th grade band students playing their first song ever." and a Creative Commons license. The channel name is "SoundCloud in Music Education" and the channel owner is Jared O'Leary, who has 8 videos and 1 view. The video player includes a play button, a progress bar (0:00 / 0:55), and various controls like volume, full screen, and settings. The right sidebar shows recommended videos, including "2013 Johnson Family Dubstep Christmas Light Show", "Arma 3 - Launch Trailer", "Crazy People Will One Day Rule The World|Spoken Word", "Will This Go Faster Than Light?", "Australian Question Intonation", "How to Make Your Shoes Waterproof", and "10 Most Viewed YouTube Channels of All Time".

# Augmenting Student Feedback: Coaches Eye

The image shows a screenshot of a YouTube video player. The video title is "Using Coaches Eye in music education" by Jared O'Leary, with 18 views. The video player shows a screen recording of a mobile application interface titled "Coach's Eye". The interface displays two small video thumbnails side-by-side, each showing a person's face. Below the video player, there are navigation icons for edit, share, music, comments, and closed captions, along with "Analytics" and "Video Manager" buttons. To the right of the video player is a list of recommended videos, including "Weight Loss with NLP - Andrew T. Austin coaching demo", "Using Diigo groups in music education", "Conversational hypnosis how to hypnotise someone to CHANGE EYE", "Video Training: How to give 'Effective Feedback'? (Demo-Video)", "Amethyst Crystal: My Spiritual, Psychic, Intuition, Dreams, Peaceful Crystal.", "Communicating to students/parents with Evernote", "Hypnosis demonstration", and "NLP Eye Movement Integration with a Vietnam Veteran (PTSD)".

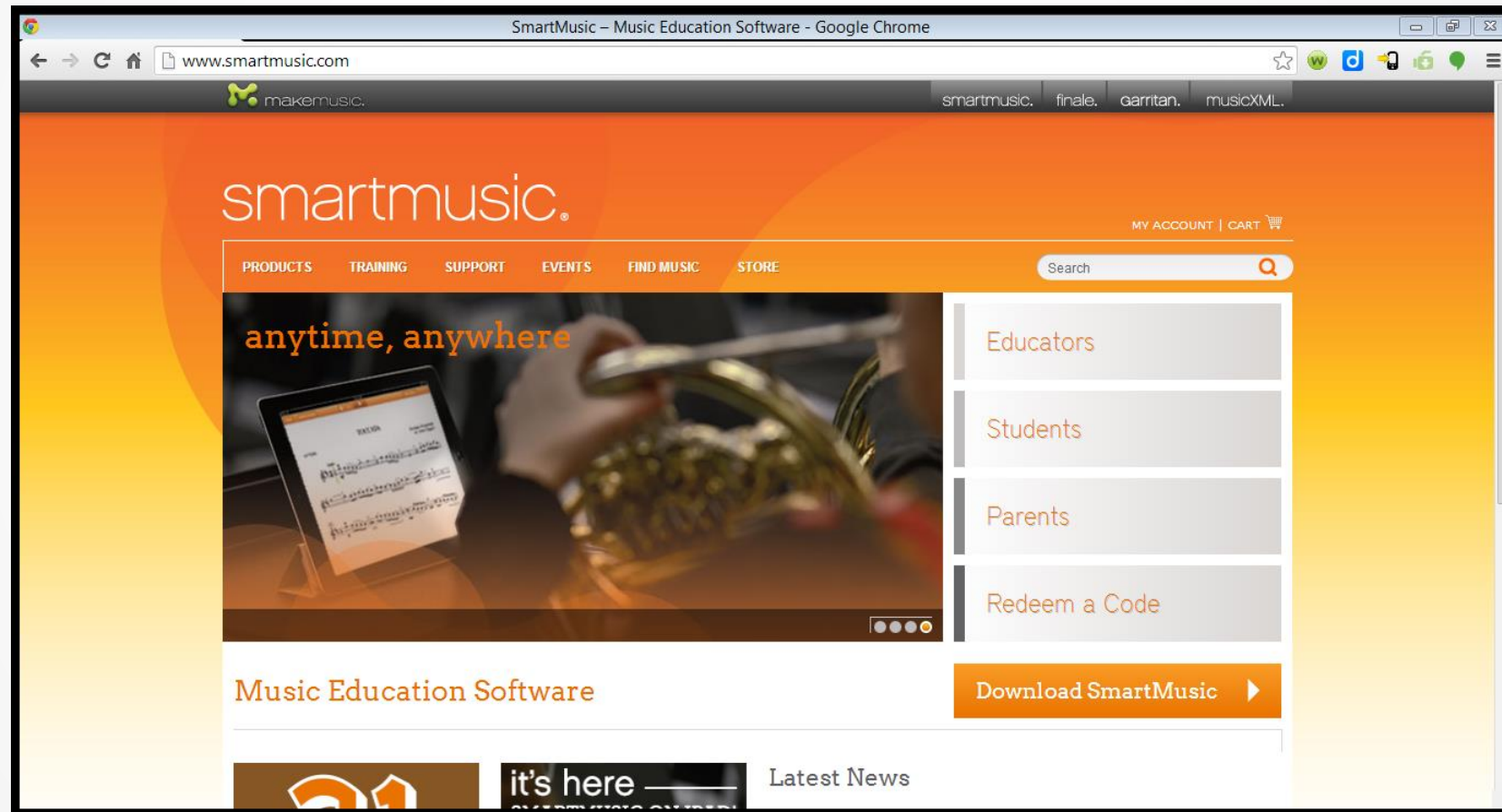
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What technology can students use  
for practicing at home?



# Augmenting Experiences at Home: Play Along Files



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# Augmenting Experiences at Home: Play Along Files

Scorch - Google Chrome  
www.sibelius.com/products/scorch/index.html

Sibelius is Avid. Learn more > US Products and Services

Latest: Shaping the Future of Music Notation and Learning Search

Home Products News Community Downloads Buy Support

## Sibelius

### Sibelius Scorch

Scorch is the free software which lets you view, play, customize and print Sibelius scores on the Internet.

- Scorch makes scores interactive
- Top print quality
- Scores download in moments

Download >>

Free download  
get Scorch  
Download >>

FAQs  
Problems with Scorch?  
Get answers >>

Avid Scorch  
Practice and perform music with your iPad

1 2 3 4 5 6 7 8

1. Turn pages
2. Changes which device you use for playback.
3. Playback controls and tempo slider.\* Click play button to play from the start, or click on the score to play from that point or stop.
4. Change top instrument or key\*
5. Save\*
6. Page Setup\*
7. Print\*
8. Scorch information and updates

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# Augmenting Experiences at Home: Play Along Files

The screenshot shows the Noteflight website in a Google Chrome browser. The address bar displays 'www.noteflight.com/login'. The website header includes the Noteflight logo, a 'New Score' button, and navigation links for 'Scores' and 'Forums'. On the right side of the header, there are links for 'Info', a search icon, 'Sign Up', and 'Log In'. The main content area features the slogan 'Your music, everywhere.' followed by the text 'Create music notation right in your browser and be part of the world's best music composition community. More...'. A prominent orange 'Join Noteflight' button is centered below this text. A horizontal strip of small, colorful profile pictures represents the community, with the text '900,934 members as of December 18, 2013' underneath. The bottom section of the page displays a musical score for 'Wie schön leuchtet der Morgenstern' by J.S. Bach, attributed to 'TromboneMaster'. The score is written for Soprano/Alto and Tenor/Bass voices in 4/4 time with a tempo marking of quarter note = 80. The notation includes treble and bass clefs, a key signature of one flat, and various musical symbols such as notes, rests, and bar lines.

# Augmenting the at Home Experience: Music Video Games

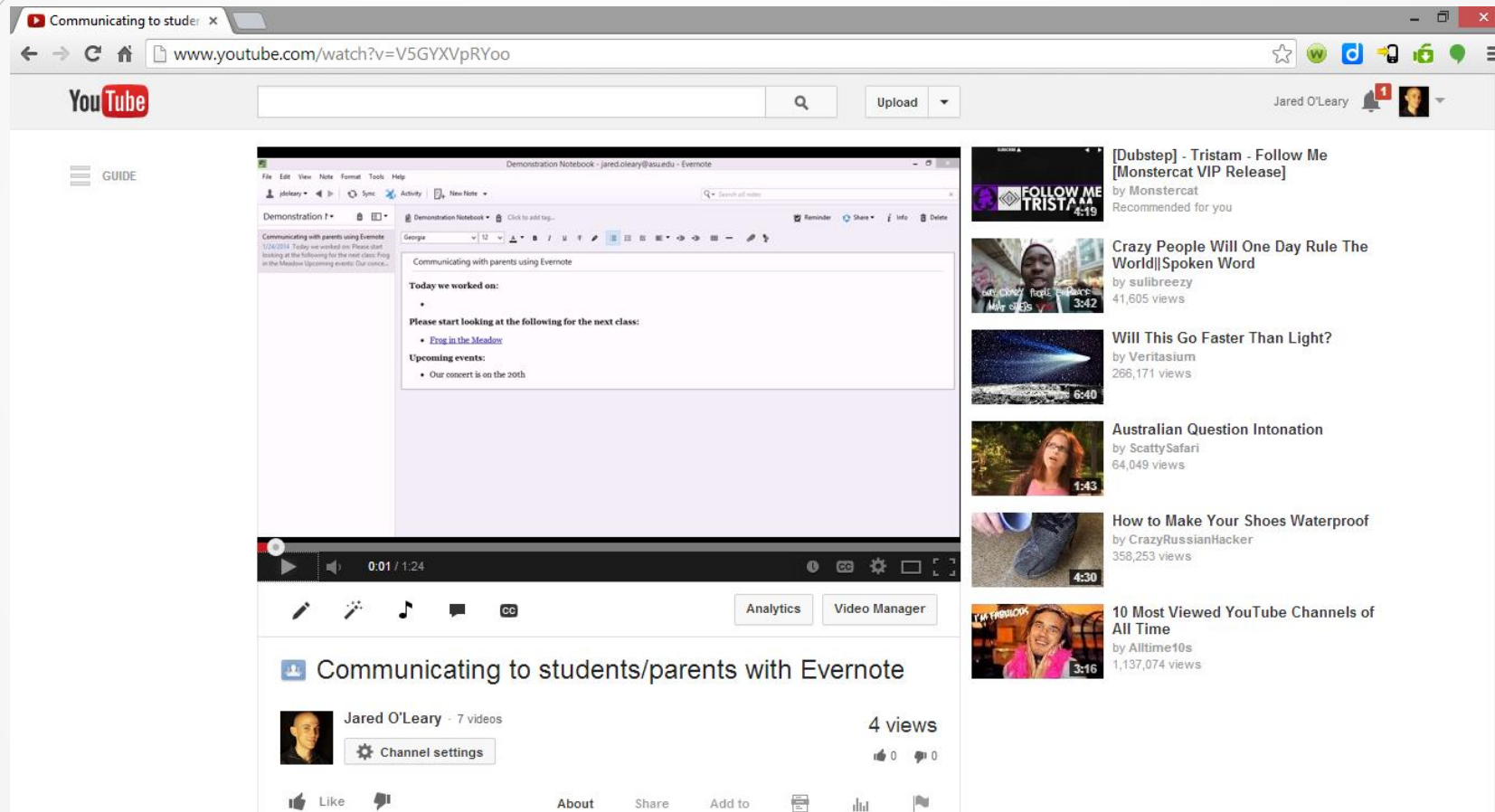


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How can we easily communicate  
with the community?

# Augmenting Communication: Evernote



The screenshot shows a YouTube video player with the URL [www.youtube.com/watch?v=V5GYXvPRYoo](http://www.youtube.com/watch?v=V5GYXvPRYoo). The video player is displaying a presentation titled "Communicating to students/parents with Evernote" by Jared O'Leary. The presentation content is as follows:

**Communicating to students/parents with Evernote**

Today we worked on:

- 

Please start looking at the following for the next class:

- [Prog in the Meadow](#)

Upcoming events:

- Our concert is on the 20th

The video player interface includes a search bar, a video progress bar (0:01 / 1:24), and a list of recommended videos on the right side. The channel name "Communicating to students/parents with Evernote" and the creator "Jared O'Leary" are visible at the bottom of the video player.





How can we find out how to use  
technology in the classroom?

# More resources regarding this question

- ▶ [www.JaredOLEary.com](http://www.JaredOLEary.com)
  - ▶ Music Education Presentations
  - ▶ #MusEd Resource Collaborating

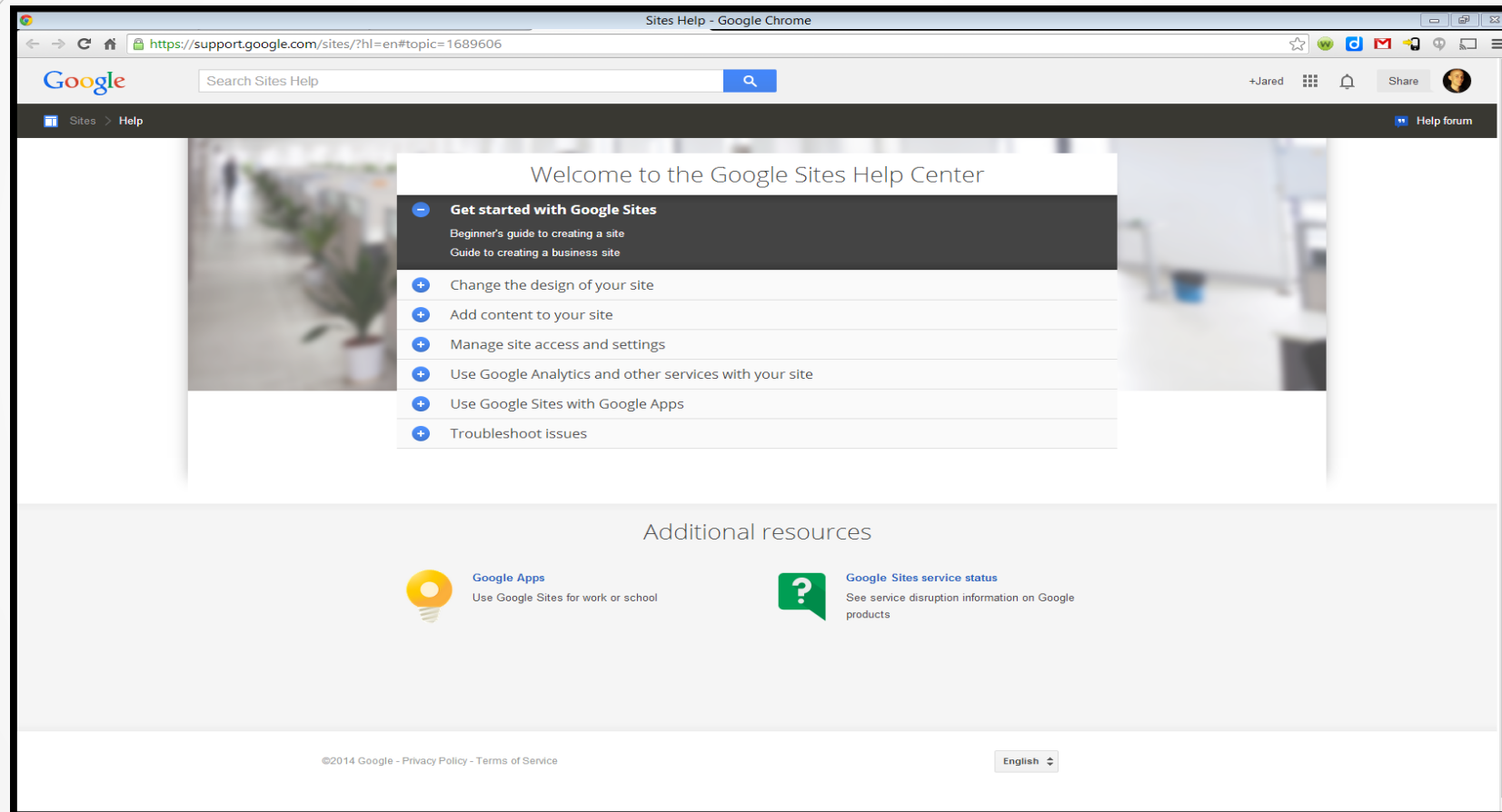






# How can we share resources with others?

# Website services: Google Sites



The screenshot shows the Google Sites Help Center page in a Chrome browser. The address bar displays the URL <https://support.google.com/sites?hl=en#topic=1689606>. The page features a search bar, a navigation menu with 'Sites > Help', and a 'Help forum' link. The main content area is titled 'Welcome to the Google Sites Help Center' and includes a list of topics:

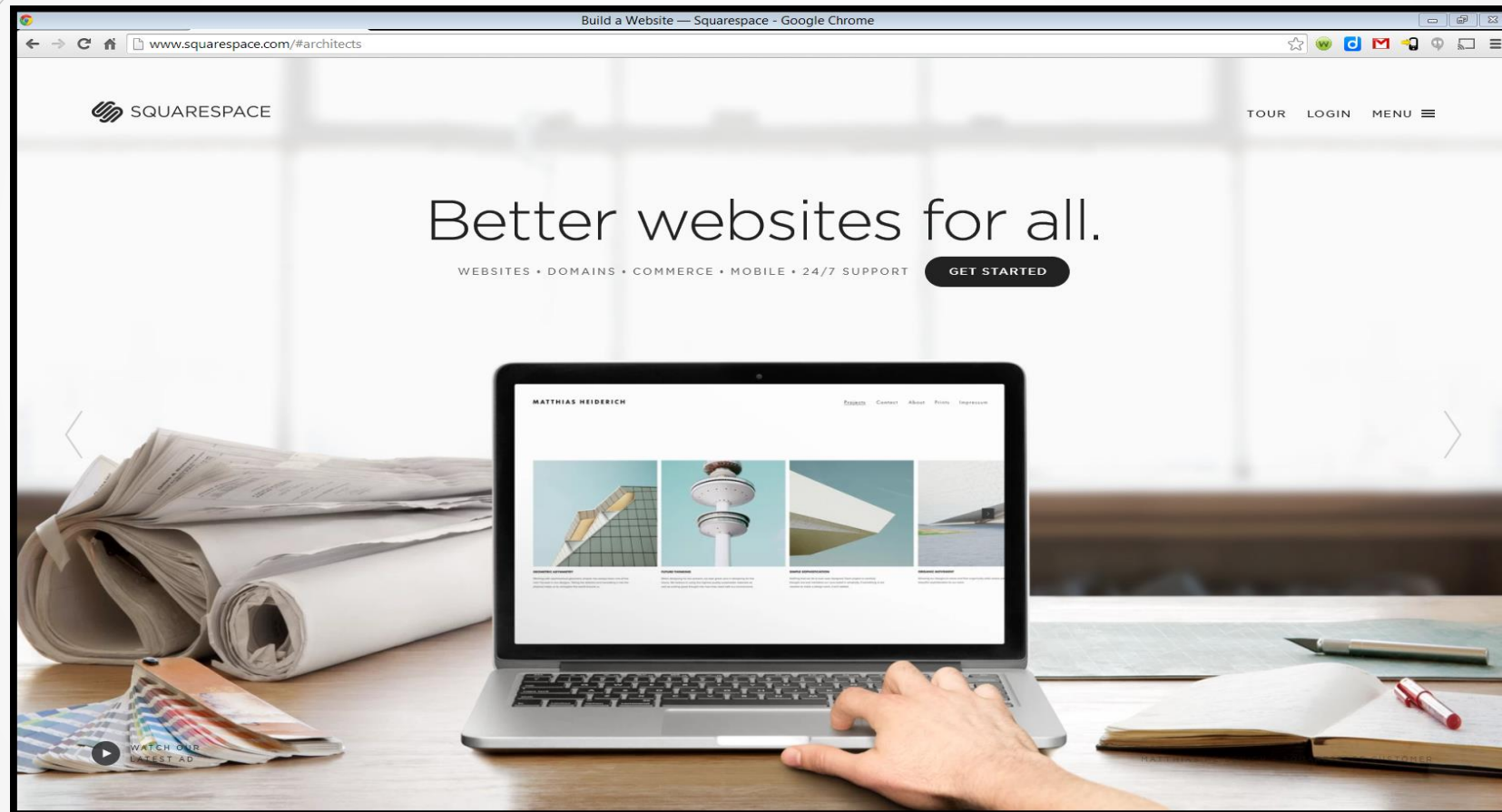
- Get started with Google Sites**
  - Beginner's guide to creating a site
  - Guide to creating a business site
- Change the design of your site
- Add content to your site
- Manage site access and settings
- Use Google Analytics and other services with your site
- Use Google Sites with Google Apps
- Troubleshoot issues

Below this list is an 'Additional resources' section with two links:

- Google Apps**: Use Google Sites for work or school
- Google Sites service status**: See service disruption information on Google products

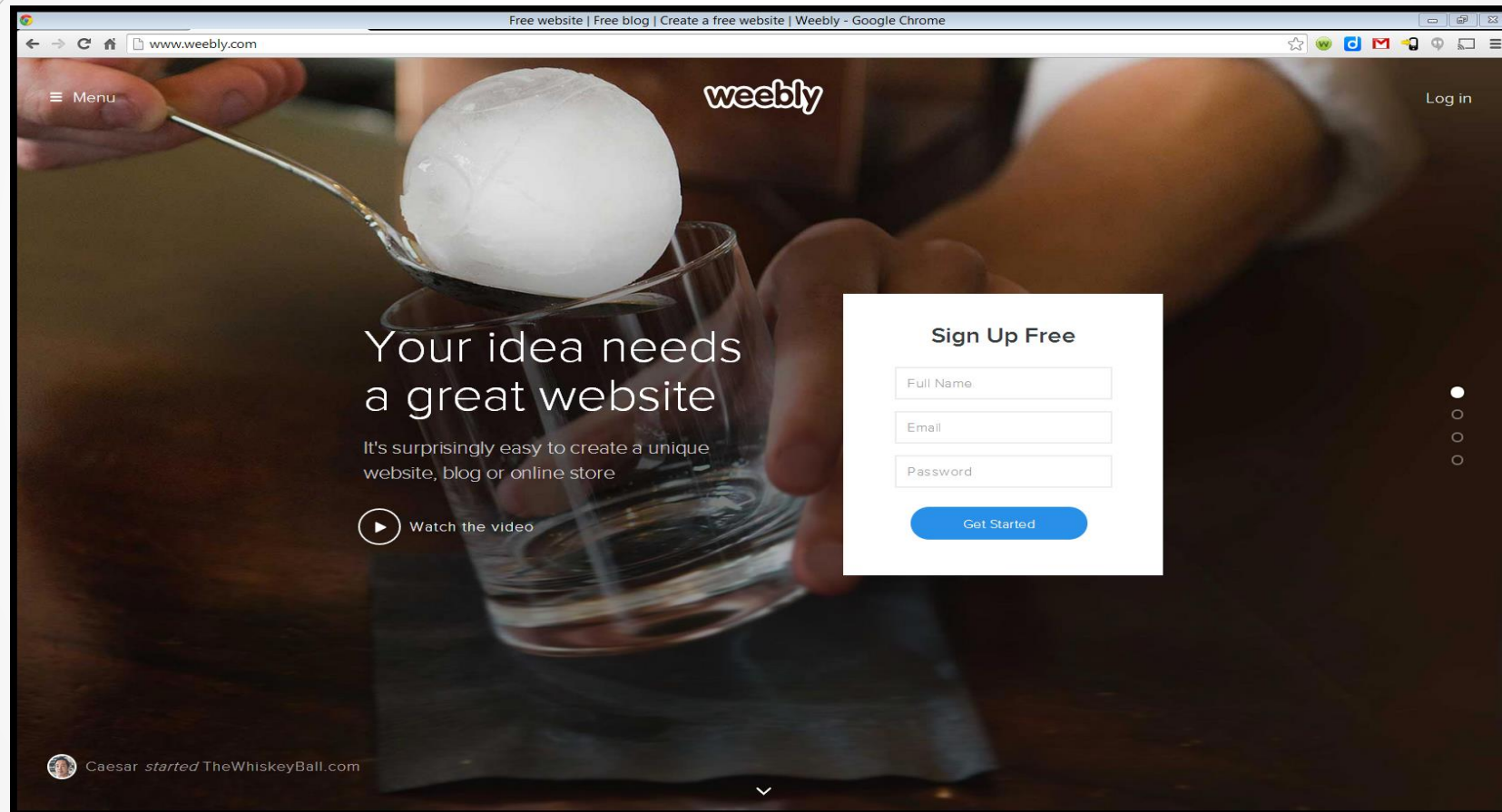
The footer contains the copyright notice '©2014 Google - Privacy Policy - Terms of Service' and a language selector set to 'English'.

# Website services: Squarespace



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# Website services: Weebly



The image shows a screenshot of the Weebly website homepage. The background features a close-up of a hand holding a glass with a large, round ice ball on a spoon. The Weebly logo is in the top right corner, and a 'Log in' link is in the top right. A 'Menu' icon is in the top left. The main text reads: 'Your idea needs a great website' followed by 'It's surprisingly easy to create a unique website, blog or online store'. Below this is a 'Watch the video' button with a play icon. A 'Sign Up Free' form is overlaid on the right, containing fields for 'Full Name', 'Email', and 'Password', and a 'Get Started' button. At the bottom left, there is a testimonial: 'Caesar started TheWhiskeyBall.com'. The browser address bar shows 'www.weebly.com' and the page title is 'Free website | Free blog | Create a free website | Weebly - Google Chrome'.

Menu

weebly

Log in

Your idea needs a great website

It's surprisingly easy to create a unique website, blog or online store

Watch the video

Sign Up Free

Full Name

Email

Password

Get Started

Caesar started TheWhiskeyBall.com

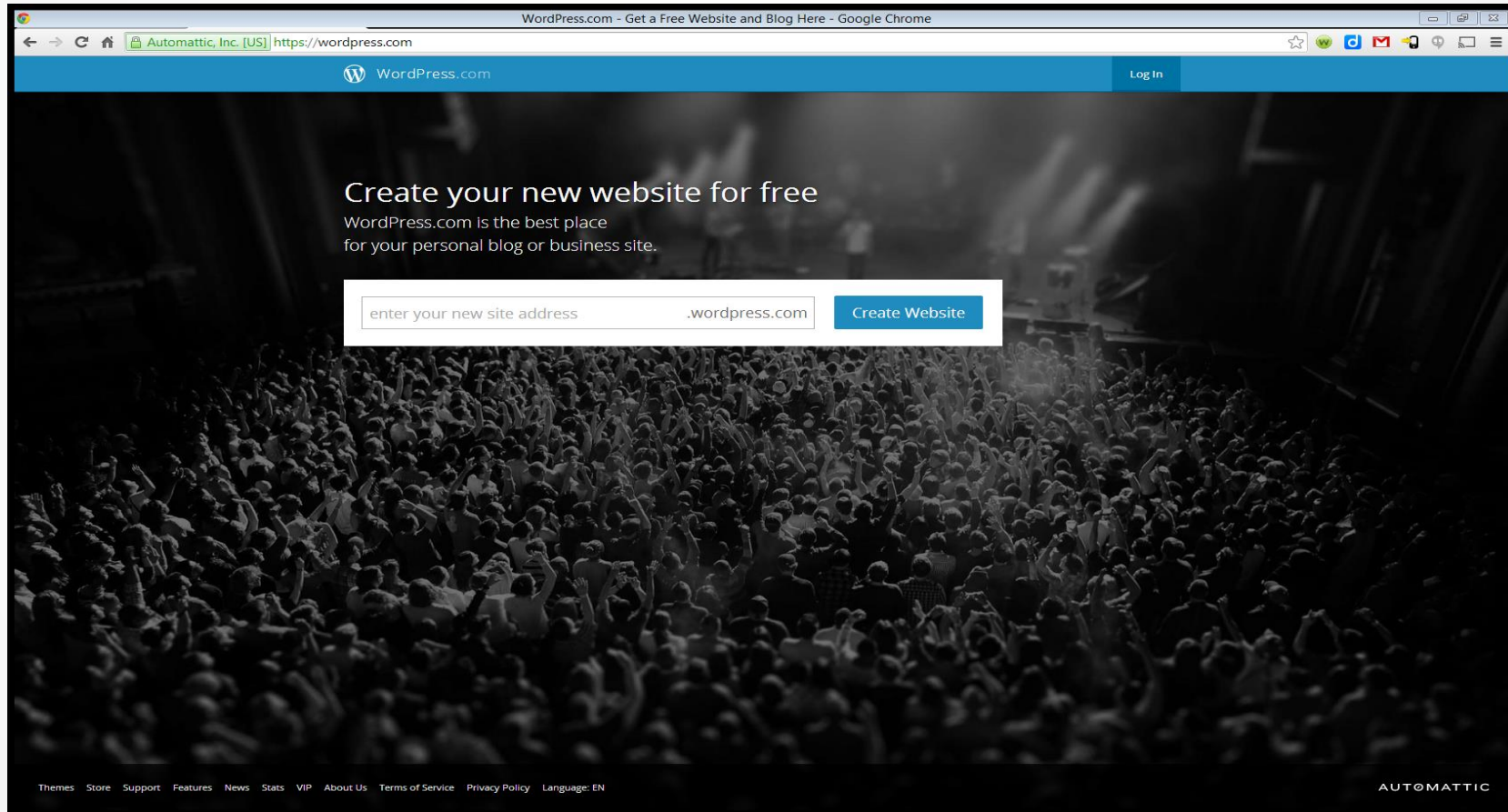
# Website services: Wix



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# Website services: WordPress



Presentation by Jared O'Leary and uses Creative Commons licensing Attribution-NonCommercial-ShareAlike (BY-NC-SA)

# Collaborating with others: #MusEdChat

The screenshot shows a web browser window displaying the MusicEdMajor.net website. The page title is "HOW TO: Get Started on #MusEdChat". The website header includes the MusicEdMajor.net logo and the SoundTree logo with the tagline "We know teachers. We know technology." The navigation menu includes Home, Resources, #MusEdChat, Contact, and About. A search bar is located in the top right corner. The main content area features a post by Andy Zweibel from 07/26/10, titled "HOW TO: Get Started on #MusEdChat". The post discusses the benefits of participating in #MusEdChat and provides a step-by-step guide for getting started on Twitter. The left sidebar contains a "Welcome!" message, a "Categories" list, and a "Tags" section. The right sidebar includes a "Subscribe to MusicEdMajor.net" form, "Popular Posts" with view counts, and an "Archives" list by month.

**MusicEdMajor.net**  
A blog for college students of Music Education

**SOUNDTREE**  
We know teachers. We know technology.

Home Resources #MusEdChat Contact About

Search this website... Search

**Welcome!**  
MusicEdMajor.net is a resource website for college students in the field of Music Education. If you like the content you see, please consider subscribing to the MusicEdMajor.net Feed!

**Categories**

- #MusEdChat
- Advocacy
- Blog Carnival
- Conference
- Featured
- Graduate
- Guest Post
- High School
- Interview
- ISchoolMusic
- Professional Development
- Review
- Student Teacher's Notebook
- TIME
- Tips and Tricks
- Uncategorized
- Undergraduate
- Website
- Worth Sharing

**Tags**

#MusEdChat advice  
Advocacy beginning  
teacher Blog Carnival  
blogs chat  
recap college  
applications community

You are here: Home / #MusEdChat / HOW TO: Get Started on #MusEdChat

## HOW TO: Get Started on #MusEdChat

07/26/10 BY ANDY ZWEIBEL • 1 COMMENT

**twitter** The Web 2.0 world has been expanding rapidly over the past year or so, and if you haven't jumped on board already, now is the time! In addition to the newly-launched MusicPLN, a fast and easy way to get involved in a Professional Learning Network that will get you immediate results is to participate in a #MusEdChat – a weekly twitter chat for, by, and about music educators!

One of the biggest obstacles I have heard for people interested in participating in #MusEdChat that participating requires a basic knowledge of Twitter. In order to combat that issue, I'm going to use this post to walk you through how to get set up to participate in #MusEdChat quickly and easily. Enjoy!

### Step 1: Get on Twitter

**MYTH:** Twitter is NOT a service to let you tell your friends what you're eating for breakfast!

Now that we've gotten that out of the way... here are the easy steps to setting up a Twitter account so you can participate in #MusEdChat

1. Go to the [Twitter Homepage](http://twitter.com) (<http://twitter.com>)
2. Click "Sign Up"
3. Enter the requested information-see below for tips on filling this out!
4. Click "Create My Account." You may be requested to enter some "Captcha" information for anti-SPAM purposes
5. Check your email for the address you entered, and click the confirmation link in the email you receive
6. You're all set up! Once you're logged in, go to Settings -> Profile and upload an avatar. While you're here, you should also fill out your bio.

Tips for your profile information:

- **Username:** This should be something that can be tied to you (consider including part of your name), and professional in nature. Also, try to keep it

**Subscribe to MusicEdMajor.net**

Enter your email address here to subscribe to post updates from MusicEdMajor.net

Enter your email address... Go!

**Popular Posts**

- Teaching Abroad 427 view(s)
- Hire Me! Tips for Finding Your First Music Teaching Job After Graduation 150 view(s)
- Happy Birthday Andy! 86 view(s)
- MusEdChat 79 view(s)
- #MusEdChat Recap- Aptitude Tests (11-8-10) 69 view(s)

**Archives**

- February 2013
- October 2012
- September 2012
- August 2012
- June 2012
- April 2012
- February 2012
- January 2012
- November 2011
- October 2011
- September 2011
- August 2011
- July 2011
- June 2011
- May 2011
- April 2011
- March 2011
- February 2011
- January 2011
- December 2010

# Collaborating with others: Facebook

The screenshot shows a web browser window displaying the Facebook page for the "Band Directors Group". The browser's address bar shows the URL "https://www.facebook.com/groups/banddirectors/". The page header includes the group name "BDG Band Directors Group" and a tagline: "Real teachers bringing the entire band directing profession under one roof, free of distraction and outside influence. 14,000 and counting." Below the header, there are navigation tabs for "Band Directors", "Members", "Events", "Photos", and "Files". A "Write Post" section is visible with a text input field. A pinned post by Brian Wis, dated August 8, 2013, contains "Group Guidelines" and a list of rules, including "1. Be respectful, civil, and professional in all postings and comments." Recent posts include one by Tyler Nettestad about an "Amplified Dr. Beat". The right sidebar features an "ABOUT" section with 14,597 members, a "SUGGESTED GROUPS" section with links to "Tuba/Euphonium", "Horn people", "Saxophonists", and "Orchestral Percussion Talk", and a "SPONSORED" section with an advertisement for "Tasty Treats Bakery".



# Collaborating with others: Diigo

The screenshot shows a web browser window displaying a Diigo group page. The browser's address bar shows the URL <https://groups.diigo.com/group/tech-in-mused>. The page title is "Best content in Technology for Music Facilitation | Diigo - Groups - Google Chrome".

The Diigo group page for "Technology for Music Facilitation" is displayed. The group description states: "This free group allows you to find and/or share ideas and resources among fellow music educators/facilitators in an effort to crowd-source resources and thoughts. Please feel free to participate by adding resources, asking questions, or simply browsing the resources available."

The page shows a post by Jared O'Leary titled "Looper" with 0 views. The post content is: "Looper is a free, four track looper that is quantized to the metronome BPM and counts that I am developing. This program can be used to create a chamber ensemble with just yourself playing each part. Please let me know about any features you would like me to add."

Another post by Jared O'Leary is titled "iFixit: The free repair manual" with 0 views. The post content is: "This website has free guides and tools (for purchase) that assist with repairing a variety of technology. If your hardware breaks, check this and other websites to see if there's a cheap fix."

A third post by Jared O'Leary is titled "How Music can Change a Film - YouTube" with 1 view. The post content is: "Using the linked video as a sample project, you could do the following: Using media clips, students can create music that matches or alters the original intended meaning of the clips. This project could be an interdisciplinary project where some group members create the visuals while the others focus on the music (or completely co-constructed with ill-defined roles). The created visuals and audio could then be used by other groups to create the"

The right sidebar of the page shows "Most Active Members" and "Top 10 Tags".

Tag	Count
youtube	26
8-bit	22
8-bit composition unit	17
from large ensembles to video games	17
21st century elementary ensemble	14
director	14
software	11
chiptune	8
demonstration	8
music	8
tools	6

# Further discussion and questions

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