



# Using Technology to Augment Musicianship

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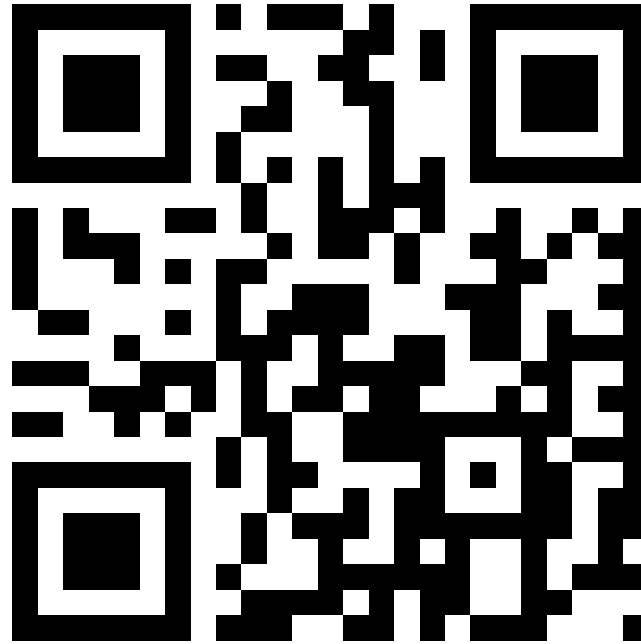
A decorative graphic on the left side of the slide. It features a grey arrow pointing right at the top, and several thin, curved lines in black and grey that sweep upwards and to the right, creating a sense of movement and design.

# What's the plan?

- Some questions...
- Choose your own adventure
- How can we find out how to use technology to augment musicianship?
- Further discussion and questions

# How to reach the resources

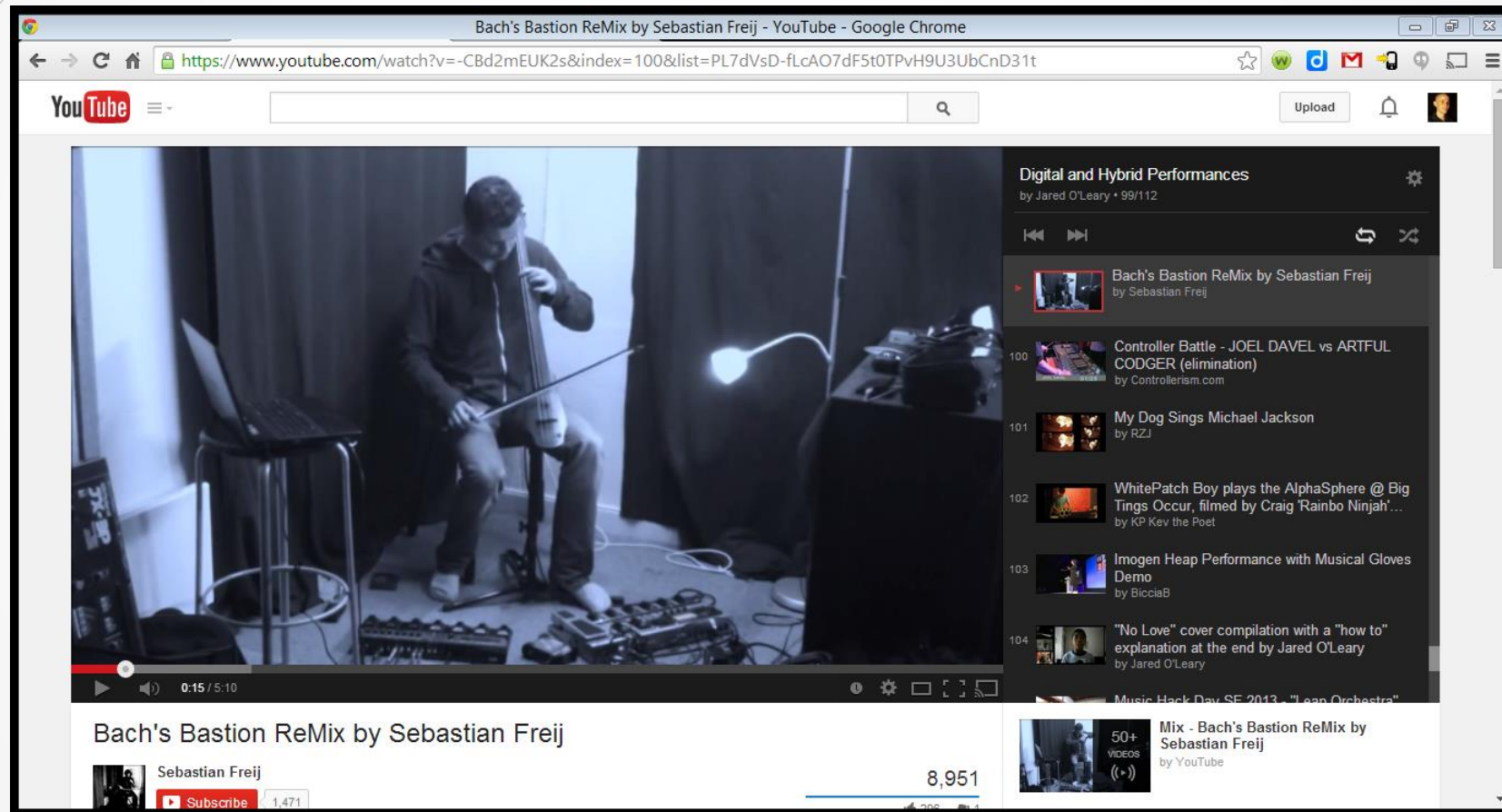
- ▶ [www.JaredOLeary.com](http://www.JaredOLeary.com)
  - ▶ Music Education Presentations
  - ▶ Using Technology to Augment Musicianship





# Some questions...

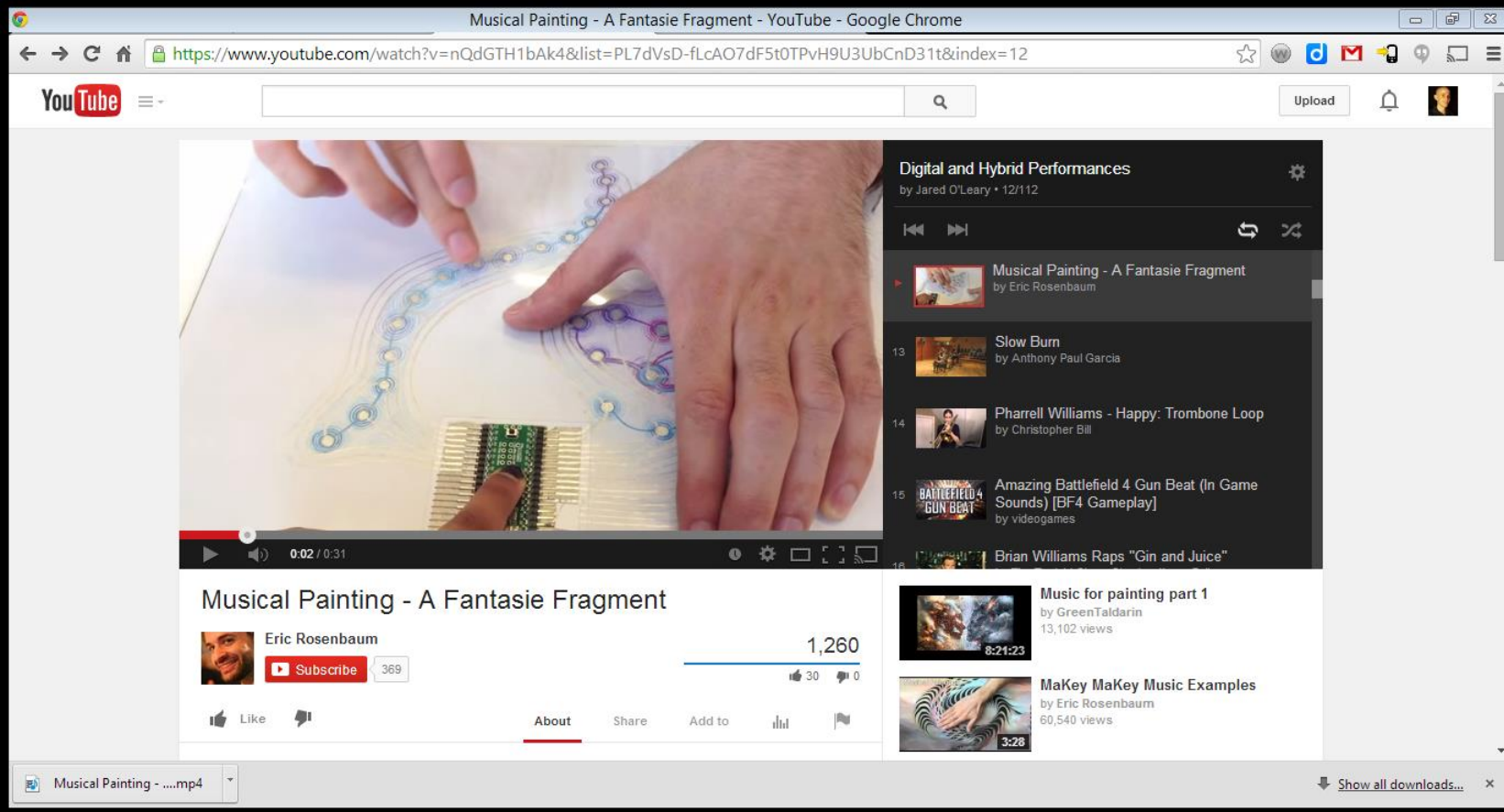
In what ways can technology be used to think deeper about performing music?



The image is a screenshot of a YouTube video player in a Google Chrome browser. The browser's address bar shows the URL: <https://www.youtube.com/watch?v=-CBd2mEUK2s&index=100&list=PL7dVsD-fLcAO7dF5t0TPvH9U3UbCnD31t>. The video player itself shows a man in a dark hoodie sitting on a stool, playing a double bass. He is in a dimly lit room with a desk and a lamp to his right. The video title is "Bach's Bastion ReMix by Sebastian Freij". Below the video, the channel name "Sebastian Freij" is visible with a "Subscribe" button and "1,471" subscribers. The video has 8,951 views. To the right of the video player is a playlist titled "Digital and Hybrid Performances" by Jared O'Leary, containing 112 videos. The first video in the playlist is the one currently playing. Other videos in the playlist include "Controller Battle - JOEL DAVEL vs ARTFUL CODGER (elimination)", "My Dog Sings Michael Jackson", "WhitePatch Boy plays the AlphaSphere @ Big Tings Occur, filmed by Craig 'Rainbo Ninja'...", "Imogen Heap Performance with Musical Gloves Demo", and "No Love" cover compilation with a "how to" explanation at the end by Jared O'Leary.

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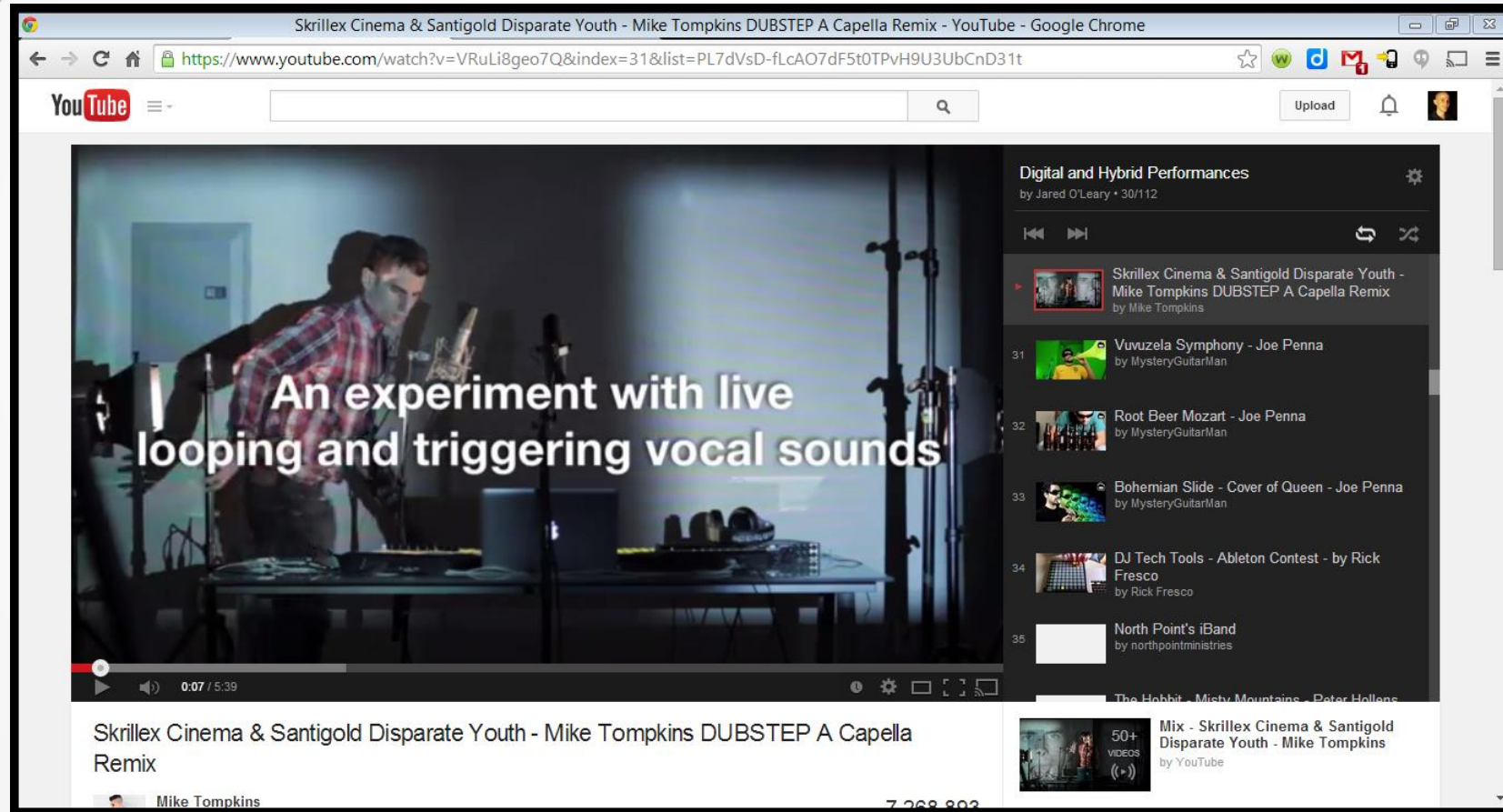
# How can technology be used to include all students?



The screenshot displays a YouTube video player in a Google Chrome browser window. The video title is "Musical Painting - A Fantasie Fragment" by Eric Rosenbaum. The video content shows a person's hands painting a circuit board with blue and purple lines. The video player interface includes a progress bar at 0:02 / 0:31, a play button, and a volume icon. Below the video player, the title "Musical Painting - A Fantasie Fragment" is displayed, along with the author's name "Eric Rosenbaum" and a "Subscribe" button with 369 subscribers. The video has 1,260 views, 30 likes, and 0 comments. To the right of the video player, there is a list of related videos under the heading "Digital and Hybrid Performances" by Jared O'Leary. The related videos include "Musical Painting - A Fantasie Fragment" by Eric Rosenbaum, "Slow Burn" by Anthony Paul Garcia, "Pharrell Williams - Happy: Trombone Loop" by Christopher Bill, "Amazing Battlefield 4 Gun Beat (In Game Sounds) [BF4 Gameplay]" by videogames, "Brian Williams Raps 'Gin and Juice'", "Music for painting part 1" by GreenTaldarin, and "MaKey MaKey Music Examples" by Eric Rosenbaum.

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# How can technology be combined for new ways of making music?



The screenshot shows a YouTube video player in a Google Chrome browser. The video title is "Skrillex Cinema & Santigold Disparate Youth - Mike Tompkins DUBSTEP A Capella Remix". The video content shows a man in a red and white plaid shirt performing at a desk with a laptop and a microphone. Overlaid text reads: "An experiment with live looping and triggering vocal sounds". The video player includes standard controls like play/pause, volume, and a progress bar showing 0:07 / 5:39. To the right of the video is a playlist titled "Digital and Hybrid Performances" by Jared O'Leary, containing several other music videos. Below the video, the title "Skrillex Cinema & Santigold Disparate Youth - Mike Tompkins DUBSTEP A Capella Remix" is repeated, along with the channel name "Mike Tompkins" and a view count of "7,268,803".

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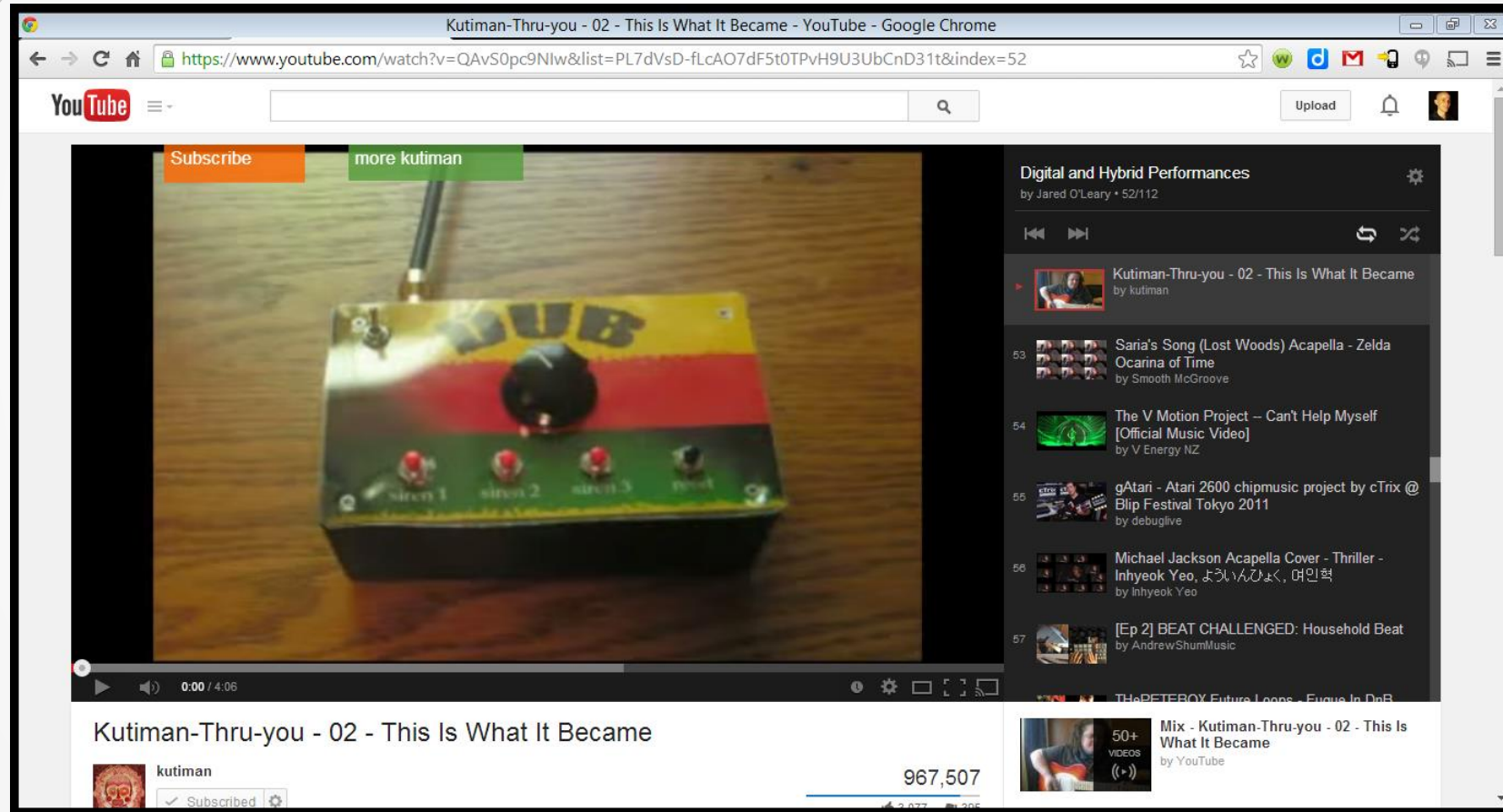
# How can we create STEM/STEAM projects?




The screenshot shows a YouTube video player for a video titled "Flower Piano" by Eric Rosenbaum. The video shows a woman with glasses and a white t-shirt standing behind a table with several glass vases of different heights, each containing a different colored flower. She is using a laptop and a MaKey device to play music. The video player includes a progress bar at 0:03 / 3:27, a play button, and a volume icon. Below the video, the channel name "MaKey MaKey Music Examples" and the creator "Eric Rosenbaum" are visible, along with a "Subscribe" button and a subscriber count of 369. The video has 60,622 views. To the right of the video player, there is a "Digital and Hybrid Performances" playlist with 6/112 items. The first item is "MaKey MaKey Music Examples" by Eric Rosenbaum. Other items in the playlist include "Pizza Hut Canada presents Dip Hop" by Pizza Hut Canada, "Brian Williams Raps 'Rapper's Delight'" by The Tonight Show Starring Jimmy Fallon, "Brian Williams Raps 'Baby Got Back'" by The Tonight Show Starring Jimmy Fallon, "Ben Sollee on the Magnetovore Magnetic Cello" by magnetovore, and "1144-ET2 Jordan" by NYU MARL. Below the playlist, there is a recommendation for "Inside Adam Savage's Cave: Awesome Robot Spider!" by Tested, which has 4,482,642 views and a duration of 10:46.



# Where is there a place for digital and hybrid musicianship in music programs?



# What is an instrumental ensemble?



The screenshot shows a YouTube video player in a Google Chrome browser. The video title is "DJ Radar w/the Red Bull Artsechro Symphony - Carnegie Hall". The video player shows a DJ in a tuxedo performing at a laptop, with a symphony orchestra in the background. The video progress bar is at 7:30 / 8:33. Below the video player, the channel name "DJ RADAR ((( )))" is visible, along with a "Subscribe" button and a subscriber count of 44. The video has 3,817 views. To the right of the video player, there is a playlist titled "Digital and Hybrid Performances" by Jared O'Leary, containing 4/113 items. The playlist includes the following items:

- 1. DJ Radar w/the Red Bull Artsechro Symphony - Carnegie Hall by djradardotcom
- 5. Baby Got Athletic by MowtenDeo
- 6. j.viewz playing Teardrop with vegetables by ViewzOfficial
- 7. MaKey MaKey Music Examples by Eric Rosenbaum
- 8. Pizza Hut Canada presents Dip Hop by Pizza Hut Canada
- 9. Brian Williams Raps "Rapper's Delight" by The Tonight Show Starring Jimmy Fallon

Below the playlist, there is an advertisement for "St Barts Vacation Video" by wimcovillavacations, with 134,000 views and a duration of 1:32.

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# What is an instrument?

The image is a screenshot of a YouTube video player in a Google Chrome browser. The browser's address bar shows the URL: <https://www.youtube.com/watch?v=8bJxleg5iQ&index=81&list=PL7dVsD-flCAO7dF5t0TPvH9U3UbCnD31t>. The video player shows a video titled "BEAT JAZZ by ONYX ASHANTI" by Onyx Ashanti. The video is currently at 0:39 / 6:00. The video content shows a person's hands playing a double slide controller. To the right of the video player is a playlist titled "Digital and Hybrid Performances" by Jared O'Leary, containing 80 videos. The first video in the playlist is "BEAT JAZZ by ONYX ASHANTI" by Onyx Ashanti. Below the video player, the video title "BEAT JAZZ by ONYX ASHANTI" is displayed, along with the channel name "Onyx Ashanti" and a "Subscribe" button with 975 subscribers. The video has 60,235 views. A "Mix" button is visible in the bottom right corner of the video player area, labeled "Mix - BEAT JAZZ by ONYX ASHANTI" by YouTube, with 50+ videos.

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# Choose your own adventure

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# Choose your own adventure

- ▶ [www.youtube.com/OCPDMusic](http://www.youtube.com/OCPDMusic)
  - ▶ Playlists
    - ▶ Digital and Hybrid Performances





# More inquiry...

- ▶ While you are watching your videos, ask:
  - ▶ In what ways can technology be used to think deeper about performing music?
  - ▶ How can technology be used to include all students?
  - ▶ How can technology be combined for new ways of making music?
  - ▶ How can we create STEM/STEAM projects?
  - ▶ Where is there a place for digital and hybrid musicianship in music programs?
  - ▶ What is an instrumental ensemble?
  - ▶ What is an instrument?
- ▶ Also, come up with some of your own questions



How can we find out how to use  
technology to augment musicianship?

# More resources regarding this question

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





# Further discussion and questions

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