Using Podcasts in The Classroom to Help Your Students

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STEM Career Exposure:

A podcast is an episodic series of digital audio or video files that a user can download in order to listen. Podcasts are a great way to use nonfiction resources, help students think critically, develop listening skills, expand your classroom content, provide a deeper understanding, apply classroom content to real-world applications, support ELL students, and communicate with parents. Participants will discover a number of ways that podcasts can be incorporated into their curricula, and receive examples of podcasts that we have found helpful for promoting learning in all areas. We will cover the basics of creating a podcast, and discuss how teachers can use podcasts as a resource for their students outside of the classroom.Participants in this session will listen to excerpts from a variety of podcast selections and learn how to both promote critical thinking skills and help students develop their questioning skills. We will also discuss how podcasts can help English-language learners and strengthen all students' vocabulary by listening to research scientists as they pronounce different terms when describing their research.

What is a podcast?

A podcast is an episodic series of digital audio or video files that a user can download in order to listen.

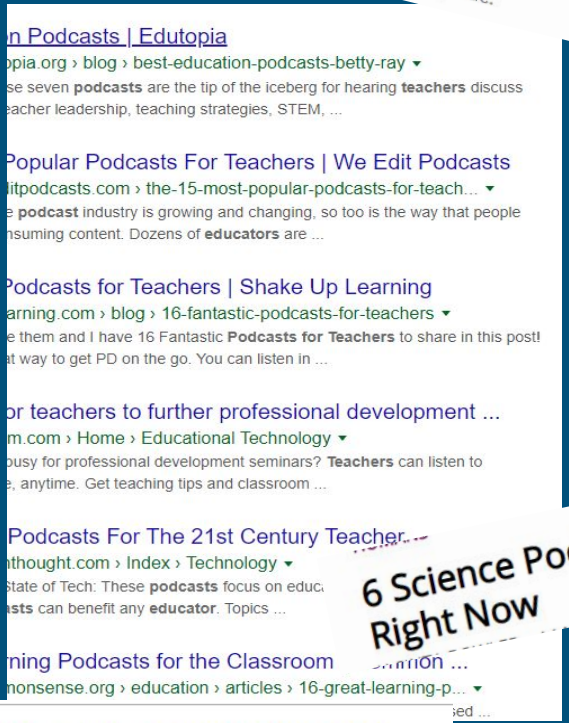
As extra / reinforcing information for students:

- Dan Cziczo explains the ***Hole in the Ozone*** and **Greenhouse effect**
- Darryl Granger explains **Cosmogenic Nuclides** and the **Scientific Method**

Find *Superheroes of Science*:

- Apple Podcasts: http://bit.ly/SOS_Apple
- Google Podcasts: http://bit.ly/SOS_Google
- Podbean: http://bit.ly/SOS_Podbean
- Stitcher: http://bit.ly/SOS_Stitcher
- Blubrry: http://bit.ly/SOS_Blu
- Libsyn: http://bit.ly/SOS_Libsyn

Personal Growth



EDUCATION PODCAST NETWORK

PODCASTS FOR EDUCATORS. PODCASTS BY EDUCATORS.

GOOGLE TEACHER TRIBE
WITH MATT MILLER & KASEY BELL

More ways to use them

- **Use nonfiction resources**
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- **develop listening skills**
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- **Apply classroom content to real-world applications**
  - Interview assignments with school and public officials
  - Use as debate starters or as the debate platform.
- **Support student understanding**
  - Teachers or other students create podcast of reading for ELL to follow along
  - Record teacher lectures or “extra help”
    - Make up lectures
    - Homework help
    - Career awareness
- **Communicate with parents**
  - Classroom updates or audio newsletter

How to make them

Software we use

Audacity

Software

Audacity is a free and open-source digital audio editor and recording application software, available for Windows, macOS, Linux, and other Unix-like operating systems. Wikipedia

License: GPLv2, CC BY 3.0 (documentation)

Initial release: May 28, 2000; 19 years ago

Size: 62.5 MB: Windows; 71.7 MB: macOS; includes downloaded Manual

Developer(s): The Audacity Team

Written in: C++, C

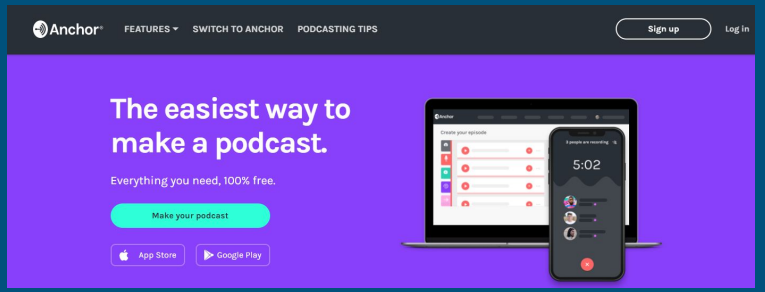
Platforms: x86-32 (32 bit Intel x86), x86-64, PowerPC

Software we *could* use

Just a phone, iPad, or Laptop recorder.

Apple: GarageBand

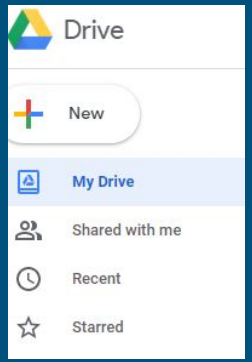
Storage of the files

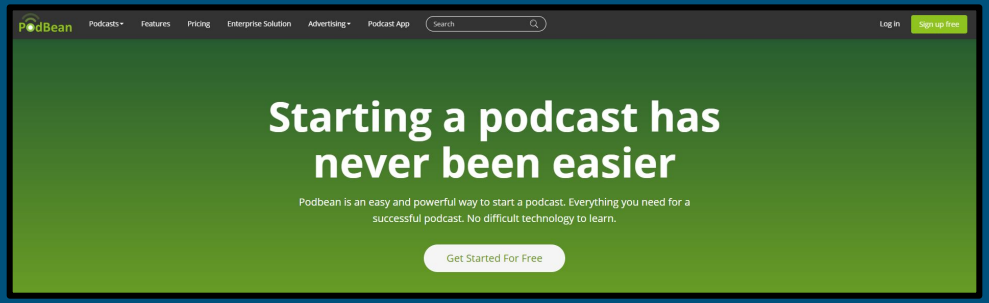


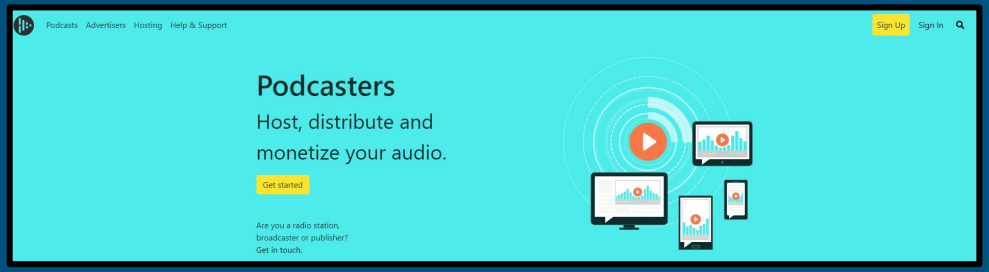
Soundcloud:

Free but has limits

Google Drive







Your classroom web page.

Canvas, Blackboard, etc.

Today’s presentation as a podcast!

Some podcasts:

- Purdue University *Superheroes of Science*
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