



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 Cziczco 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

11 teacher podcasts you need to listen to right now

10 of the Absolute Best Podcasts for Teachers
Here's what's in our queue.

Podcasts | Edutopia
edutopia.org › blog › best-education-podcasts-betty-ray
These seven podcasts are the tip of the iceberg for hearing teachers discuss teacher leadership, teaching strategies, STEM, ...

Popular Podcasts For Teachers | We Edit Podcasts
editpodcasts.com › the-15-most-popular-podcasts-for-teach...
The podcast industry is growing and changing, so too is the way that people are consuming content. Dozens of educators are ...

Podcasts for Teachers | Shake Up Learning
shakeuplearning.com › blog › 16-fantastic-podcasts-for-teachers
I love them and I have 16 Fantastic Podcasts for Teachers to share in this post! That way to get PD on the go. You can listen in ...

Podcasts for teachers to further professional development ...
edtechm.com › Home › Educational Technology
Are you busy for professional development seminars? Teachers can listen to podcasts, anytime. Get teaching tips and classroom ...

Podcasts For The 21st Century Teacher...
edthought.com › Index › Technology
The State of Tech: These podcasts focus on education. Teachers can benefit any educator. Topics ...

Podcasts for the Classroom
ednonsense.org › education › articles › 16-great-learning-p...

6 Science Podcasts You Need to Be Listening to Right Now



PODCASTS FOR EDUCATORS. PODCASTS BY EDUCATORS.



More ways to use them

- **Use nonfiction resources**
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- **develop listening skills**
 -
- **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

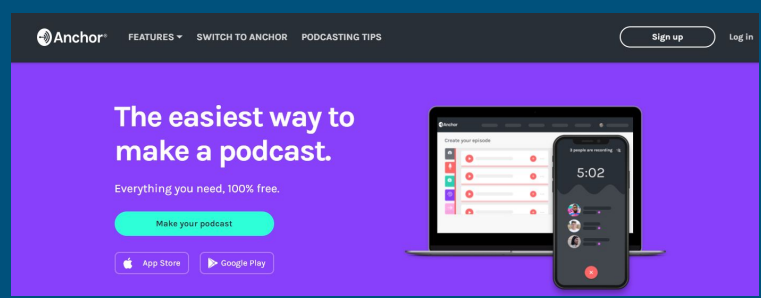
Platforms: x86-32 (32 bit Intel x86), x86-64, PowerPC

Software we *could* use

Just a phone, iPad, or Laptop recorder.

Apple: GarageBand

Storage of the files



Anchor

FEATURES SWITCH TO ANCHOR PODCASTING TIPS

Sign up Log in

The easiest way to make a podcast.

Everything you need, 100% free.

Make your podcast

App Store Google Play

A banner for the Anchor website. The background is purple. On the left, there's a navigation bar with 'Anchor', 'FEATURES', 'SWITCH TO ANCHOR', and 'PODCASTING TIPS'. On the right, there are 'Sign up' and 'Log in' buttons. The main text says 'The easiest way to make a podcast. Everything you need, 100% free.' Below this is a green 'Make your podcast' button and two smaller buttons for 'App Store' and 'Google Play'. On the right side of the banner, there's an image of a laptop and a smartphone displaying the Anchor app interface.

Soundcloud:

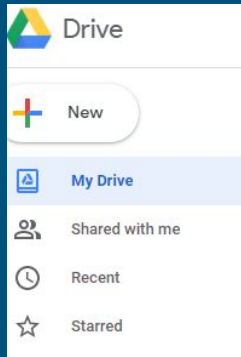
Free but has limits



Home Stream Library Search Upgrade Upload Steven Smith

A screenshot of the SoundCloud website header. It features a navigation bar with 'Home', 'Stream', and 'Library' tabs. A search bar is in the center. To the right, there are links for 'Upgrade', 'Upload', and a user profile for 'Steven Smith' with a dropdown arrow. There are also icons for notifications, messages, and a menu.

Google Drive



Drive

New

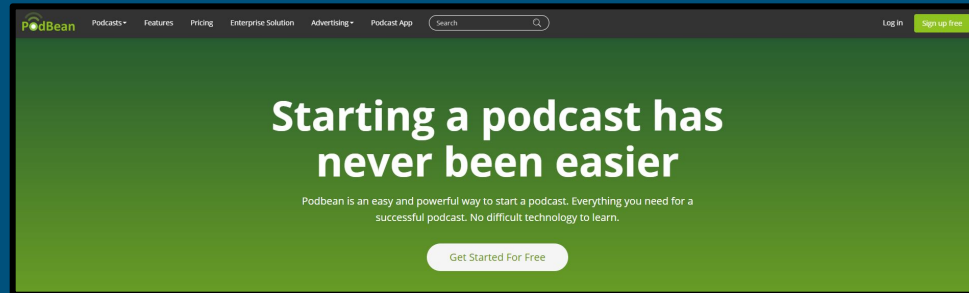
My Drive

Shared with me

Recent

Starred

A screenshot of the Google Drive interface. It shows the 'Drive' logo at the top, followed by a 'New' button with a plus sign. Below that are sections for 'My Drive', 'Shared with me', 'Recent', and 'Starred', each with an icon.



Podbean

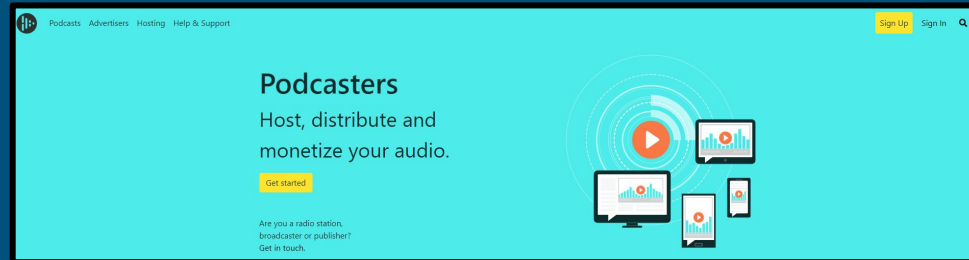
Podcasts Features Pricing Enterprise Solution Advertising Podcast App Search Log in Sign up free

Starting a podcast has never been easier

Podbean is an easy and powerful way to start a podcast. Everything you need for a successful podcast. No difficult technology to learn.

Get Started For Free

A banner for the Podbean website. The background is green. At the top, there's a navigation bar with 'Podbean', 'Podcasts', 'Features', 'Pricing', 'Enterprise Solution', 'Advertising', 'Podcast App', a search bar, and 'Log in' and 'Sign up free' buttons. The main text says 'Starting a podcast has never been easier'. Below this is a smaller line of text: 'Podbean is an easy and powerful way to start a podcast. Everything you need for a successful podcast. No difficult technology to learn.' At the bottom, there's a white button that says 'Get Started For Free'.



Podcasters

Host, distribute and monetize your audio.

Get started

Are you a radio station, broadcaster or publisher? Get in touch.

A banner for the Podcasters website. The background is light blue. At the top, there's a navigation bar with 'Podcasters', 'Advertisers', 'Hosting', 'Help & Support', and 'Sign Up' and 'Sign In' buttons. The main text says 'Podcasters' and 'Host, distribute and monetize your audio.' Below this is a yellow button that says 'Get started'. At the bottom, there's a smaller line of text: 'Are you a radio station, broadcaster or publisher? Get in touch.' On the right side, there's an illustration of a play button icon surrounded by various devices like a laptop, tablet, and smartphone, with sound waves emanating from them.

Your classroom web page.

Canvas, Blackboard, etc.

Today's presentation as a podcast!

Some podcasts:

- Purdue University *Superheroes of Science*
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