



UTAH EDUCATION NETWORK
WWW.UEN.UT

PODCASTING WITH UEN SCIFI FRIDAY



Students apply critical thinking to planning podcast projects.

Define the mission.

The purpose of UEN's Science to go with the Show is to raise awareness of STEM concepts and careers while highlighting Utah Higher Ed resources.

Find the target.

Recruiting an interview subject includes considering their area of expertise, interest in the opportunity and availability.



Have students brainstorm questions people may ask before agreeing to be interviewed.

Digital sound editing gives you a great opportunity to talk about sound waves.



Get the interview.

Record in a quiet, enclosed space. To "retake" an answer, have the subject pause then start over to make editing later easier.

Edit the audio.

Audacity is a free program for editing audio files. For free music and sound effects, check out Soundzabound via Pioneer Online Library.



Share.

Burn your final MP3 onto CD, add it to your iTunes library and/or upload it to your my.uen teacher's page.

Listen to Science to go with the Show

<http://www.uen.org/tv/scifi/>

A taste of Science to go with the Show

Learn from experts about...

...the parts of a logical argument

Chrisoula Andreou, Professor of Philosophy at UU discusses where logic goes wrong in the 1945 murder mystery *And Then There Were None*.

What questions do philosophers ask when assessing whether an argument is valid?



Why wouldn't the giant spider in the movie be able to walk in real life?

...cyborg insects, spiders & microbots

Jake Abbott, Mechanical Engineer and Director of the UU's Telerobotics Lab talks about robotics and the films *The Phantom Creeps* & *Giant Spider Invasion*.

...the ethics of research

Cynthia Furse, UU Vice President of Research, explains the history of ethics in research and the problems with how the researchers behave in the film *Horror Express*. She also discusses why engineering is great for women as well as men.

What ethical errors do the researchers in the movie make? What's an 'IRB'?

...brine shrimp & the Great Salt Lake

What false assumption do many people make about the GSL?

Brian Avery, Biologist & Associate Director of the Great Salt Lake Institute at Westminster College, discusses the film *Bride of the Monster* and the role of brine shrimp in aquaculture (fish farming).

...how Utah's mountains make our state livable

TGLL scholars Maura Hahnenberger and Carolyn Stwertka of UU talk about Atmospheric Sciences, Utah snow & the film *Man Beast*, plus offer tips for girls interested in science.

What's a Ha-u wind?

AND MORE at www.uen.org/tv/scifi !

Let UEN SciFi Friday's 100+ podcasts launch your students' exploration of STEM concepts & careers.

Astronomy Biology Engineering Entomology Ethics Forensics Genetics Geology
Geophysics Mathematics Medicine Meteorology Neuroscience Paleontology Physics
Physiology Psychology Research Methods Technology Zoology

Piktochart

Podcasting can engage students of all ages.



Producing a podcast can be a fun way for students to gain and demonstrate content knowledge while practicing communication & tech skills.

Tech Basic.

Limited time & resources? Skip editing & just focus on planning & recording the interview.

- (1) a digital voice recorder w/USB cable
- (2) a computer w/audio player, speakers & CD burner
- (3) CDs/flash drive

Have students interview each other about their favorite hobby or a class project either for a Basic project or to practice their interviewing skills.

Tech Deluxe.

- (1) a digital voice recorder (dvr) with USB cable
- (2) a computer with audio player & CD burner
- (3) Audio editing software, such as Audacity
- (4) Cds or flash drive for files
- (5) Headphones (not earbuds) for audio editing
- (6) Platform for sharing final projects, such as teacher's my.uen web page

Tips for great interviews.

Research is the key to writing good interview questions.

Give subjects your main questions ahead of time.

Note the date, & correct spelling & pronunciation of the subject's name.

Record in a spot free of background noise, echoes, breezes & interruptions.

Avoid yes/no questions. Ask instead "how" and "why."

Test all equipment & back up files right away!

Consider having students conduct interviews in pairs.

Want to host a screening or have your students work on a UEN SciFi Friday podcast? Let us know via <http://www.uen.org/tv/scifi/request.php>



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