

Ecosystem Unit: Compiled by Rachael Coleman 2017

Ecology Websites

<http://researchquests.org/cleveland-lloyd/>

Wolves in Yellowstone 6.4.2

Start at 20 second (1-20 is about the big bang)

<https://www.youtube.com/watch?v=5Iddy0CVILg>

Tamarisks on the Colorado Article 6.4.5

<http://www.westword.com/news/photos-colorado-river-battle-against-a-serious-enemy-invasive-tamarisk-5887768>

Utah Lake Dumping 6.4.5 (it has youtube links and a handy (what looks to be good) ready to use lesson)

http://utahlake.gov/wp-content/uploads/2011/04/2-GB-The_Business_of_Abusing_a_Lake.pdf

Yellowstone Fire of 1988 Article and video 6.4.5

<http://www.yellowstonepark.com/1988-fires-yellowstone/>

Utah Lake Dumping 6.4.5 (it has youtube links and a handy (what looks to be good) ready to use lesson)

http://utahlake.gov/wp-content/uploads/2011/04/2-GB-The_Business_of_Abusing_a_Lake.pdf

Culminating project Module “it’s a zoo in the room” (I’ll have to share this one on google drive). Gist: each student creates an animal that’s adapted to the classroom and then you create a food web. Disasters hit the ecosystem, and then students chart population changes and explain why

Everything you want to know about different types of ecosystems

<http://sciencing.com/types-environmental-ecosystems-8640.html>

Food web of the jungle

<http://tropicalrainforestscience10.weebly.com/food-web.html>

6.4.1

The less diverse an organisms diet the more likely they are to go extinct

Pandas only eat bamboo article

<https://www.worldwildlife.org/stories/giant-panda-no-longer-endangered>

List of species in Utah

<https://ecos.fws.gov/ecp0/reports/species-listed-by-state-report?state=UT&status=listed>

The table below lists the 17 endangered and threatened animal species believed to or known to occur in the state. The word "entire" after a name indicates that the species occurs throughout the state.

[hide] Endangered animal species in Utah	
Status	Species
Endangered	Ambersnail, Kanab Entire (<i>Oxyloma haydeni kanabensis</i>)
Endangered	Chub, bonytail Entire (<i>Gila elegans</i>)
Endangered	Chub, humpback Entire (<i>Gila cypha</i>)
Endangered	Chub, Virgin River Entire (<i>Gila seminuda (=robusta)</i>)
Endangered	Flycatcher, southwestern willow Entire (<i>Empidonax traillii extimus</i>)
Endangered	Pikeminnow (=squawfish), Colorado Entire, except EXPN (<i>Ptychocheilus lucius</i>)
Endangered	Sucker, June Entire (<i>Chasmistes liorus</i>)
Endangered	Sucker, razorback Entire (<i>Xyrauchen texanus</i>)
Endangered	Woundfin Entire, except EXPN (<i>Plagopterus argentissimus</i>)
Threatened	Cuckoo, yellow-billed Western U.S. DPS (<i>Coccyzus americanus</i>)
Threatened	Lynx, Canada Contiguous U.S. DPS (<i>Lynx canadensis</i>)
Threatened	Owl, Mexican spotted Entire (<i>Strix occidentalis lucida</i>)
Threatened	Prairie dog, Utah Entire (<i>Cynomys parvidens</i>)
Threatened	sage-grouse, Gunnison entire (<i>Centrocercus minimus</i>)
Threatened	Tortoise, desert Entire, except in Sonoran Desert (<i>Gopherus agassizii</i>)
Threatened	trout, Greenback Cutthroat Entire (<i>Oncorhynchus clarki stomias</i>)
Threatened	Trout, Lahontan cutthroat Entire (<i>Oncorhynchus clarkii henshawi</i>)

Source: *U.S. Fish and Wildlife Service*, "Listed species believed to or known to occur in Utah"

Games:

<https://utah.pbslearningmedia.org/resource/plum14.sci.life.feedingo/feed-the-dingo-an-ecosystem-game/#.WRSKgbzyvVo>

<http://www.learningscience.org/lsc2dpopulationsecosystems.htm>

<http://www.neok12.com/Ecosystems.htm>

Other Resources:

Survive (I have class copy of this mini book, it is filled with articles and activities)

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<https://educators.brainpop.com/bp-topic/ecosystems/>

A Viewer's Guide to A Bug's Life

<http://www.teachwithmovies.org/guides/antz-bugs-life.html>