



# Free Open Science Content Featured at Lessi AI

There are so many high-quality science lessons freely and publicly available, but tracking them down can be tough. That's why our content curators work so hard to organize thousands of open resources.



## **USGS** *Rollin Down the River*

Students use USGS data to make their own hydrographs for the Colorado River and for a river or stream of their choice. This lesson is intended for grades 9-12 and is aligned to NGSS standards.



## **USGS** *Wildland Fire Science School*

A combination of videos, research, and visual data analysis with Landsat images is used to engage students and connect them with benefits and ecological costs of wildland fires.



## **NASA** *Name That Plane*

Students will learn the importance of and procedure for giving an aircraft its N-Number, a logo, and some color. They will design their own planes and learn how these small details can make a big difference.



## **NASA** *Landing Humans on the Moon*

Students learn about the Moon and create a model of a human landing system for the lunar surface. Using science, engineering and geometry, students design, build and test model spacecraft.



## **NOAA** *Investigating Sea Level*

Students are guided through the use of NOAA data (sea level and tide data from NOAA's Center for Operational Oceanographic Products and Services) to understand how scientists monitor sea levels.



## **NOAA** *Investigating Coral Bleaching*

Students are guided through the use of NOAA data (ocean surface temperature, coral bleaching hotspots, and accumulated heat stress) to understand how we monitor coral bleaching events.



## **NPS** *Freeing the Elwha*

This lesson focuses on the impacts that the building of the two dams on the Elwha River had on anadromous fish species, including the loss of 70 miles of river habitat.



## **NPS** *Food Web Frenzy*

Wildlife species at Buffalo National River live in a variety of habitats, but are interconnected and dependent on each other for survival, reminding us of our own dependence on the earth.



## **AstroEDU** *Dark Matter & Energy*

In this activity, students play role of scientists to explore the possible existence of other components of the Universe besides the normal matter.



## **NEEF** *Native vs Invasive Plants*

In this activity, students will engage in a mini BioBlitz by surveying their local surroundings to determine species richness and whether there are native or invasive plant species in their area.

