

Resources from the 2022 OSTA Conference.

These resources were gathered and shared by Noyce Scholars who attended the conference and participated in the associated WRNN Noyce Networking Event.

Grants:

<https://www.diackecology.org/applying-for-a-grant> (Just for Oregon)

Here is the link to the Diack website, where you can apply for up to \$2,000 to fund student-lead research.

Food:

<https://www.foodagscied.org/>

Food and Agriculture Center for Science Education- looking for motivated students who can contribute to making the globe more food secure.

<https://www.ift.org/community/educators>

Food Science education resources.

<https://www.ift.org/community/educators/k12-teaching-resources>

More food science resources and curriculum.

Learning Resources:

<https://tieseducation.org>

The main website for the Teacher Institute for Evolutionary Science. If you go to Teacher Materials under the Menu button it will take you to where you can look at lessons, videos and games. How organisms are all connected/tree of life website.

<https://www.youtube.com/channel/UC4szl4Ra1ZD3m80wJP40UBA>

This is the YouTube page for Nick Zentner. He's a geology professor at Central Washington University. His channel has geology talks of all lengths and difficulties.

<https://lacuknos.oregonstate.edu>

The main project page for the LaCuKnoS (Language, Culture, Knowledge and Science) project.

<https://bit.ly/3rsyazs>

The website for the LaCuKnoS (Language, Culture, Knowledge and Science) project lesson plans.

www.openscied.org

Free lesson plans by OpenSciEd which have been reviewed and refined over an 18th month process to adhere to the NGSS.

https://tieseducation.org/?gclid=CjwKCAiAjs2bBhACEiwALTBWZRsZWydqniHFri9zWl6P10LAzdyEfXJHQI7_aODjERERoYFq4pxCBoCLOMQAvD_BwE

Teacher institute for evolutionary science- gives elementary and middle school teachers the resources

they require to address evolution's objections and educate in accordance with the new Next Generation Science Standards.

<https://lacuknos.oregonstate.edu/>

Language, Culture, and Knowledge-building through Science. This website contains cross-laminated timber lessons along with others.

https://drive.google.com/drive/folders/1uUAmmmQIDRdk7jOcAn2LBL444kF9_3BL?usp=sharing

This is the Google Drive for the LaCuKnoS project. It has all their lessons and resources which are super valuable.

www.evogeneao.com

A cool tree of life interactive website that emphasizes evolution's most important lesson in order to support its teaching: LIFE ON EARTH IS ONE BIG EXTENDED FAMILY.

www.everfi.com

FREE digital lessons on STEM, SEL, Financial education, and more.

<https://sciencesaves.org/teacher-resources/>

Ready-made lesson plans related to evolution.

Engineering:

<https://www.societyforscience.org/isef/>

Here is the link for the International Science and Engineering Fair website- the world's largest international pre-college STEM competition.

<https://girlswhocode.com/>

Girls Who Code – its goal is to eliminate the gender inequality in technology and to alter the perception of what a programmer is and does.

Science:

<https://www.visiblebody.com/teaching-anatomy/biology>

Virtual biology technology (3D models)

<https://www.ttpress.com/osta.html>

Physical Science Mystery Tube Activity: well-organized, meaningful, and engaging presentation that gets to the heart of the matter: connecting context and concepts in instruction.

Forms:

<https://docs.google.com/forms/d/e/1FAIpQLSc9dQ5Bjo9LWP3uDKuYcl3lxmS9qWS2Xbl8B1v2pr1nhZM3JQ/viewform>

Brad Fulton's Blog sign up form.

NOYCE Program Resources:

<https://stemforall2022.videohall.com/>

<https://getthefactsout.org/>