

Webinar Series on Remote Learning

TITLE

Create Engaging Online Labs and Activities

BRIEF SYNOPSIS

Moving to online instruction opens up a whole world of opportunities for student engagement, collaboration, and innovation. In this webinar we will examine two structured approaches to create engaging online labs and activities you can use immediately with your students. We will then apply these approaches to plan an activity based on open educational practices.

- Absorb – Do – Connect
- Process Oriented Guided Inquiry Learning (POGIL)
- Open Educational Practices

SPEAKER

Dave
Braunschweig

SPEAKER BIO:

Dave Braunschweig has more than twenty-five years of experience as an independent certified technical trainer and professor of Computer Information Systems at Harper College. His credentials include a master's degree in Information Systems Management, a graduate-level Master Online Teacher certificate, CompTIA Certified Technical Trainer (CTT+), and more than sixty computer industry certifications. Dave has a passion for open education and has published fourteen open educational resource learning guides, several open guides on best practices for online learning, and has co-authored an open textbook on programming fundamentals. He teaches an open course on open educational practices and is a frequent contributor on Wikiversity. Dave focuses his presentations on combining technical skills with real-world applications, so that participants are able to directly relate to and apply what they are learning.

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DURATION

55 min 49 sec

TIMESTAMPS

[0:00](#) – Speaker Introduction

[1:53](#) – Section 1: Overview

[4:38](#) – Section 2: Absorb-Do-Connect

[13:03](#) – Section 3: Process Oriented Guided Inquiry (POGIL)

[18:11](#) – Section 4: Open Educational Practices

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Q&A with Dave Braunschweig:

Q: It would be very helpful to have real-life examples instead of just theory.

A: For real-life examples, please follow the link to https://en.wikiversity.org/wiki/Open_Educational_Practices or see https://en.wikiversity.org/wiki/Collaborative_Learning/Examples

Q: Where can I find more information on the Wiki University course?

A: https://en.wikiversity.org/wiki/Open_Educational_Practices

Q: Could you write the names of the websites you just mentioned?

A: <https://mom.gmu.edu>, merlot.org

Q: Is this topic applicable to college level or K-12?

A: I teach college-level, but the approach should also work for secondary education. You may need to modify the approach somewhat for primary and intermediate.

Q: Does constructivist learning happen during the creation of the articles?

A: It depends. Yes, the initial construction is in the creation. But OER and OEP allow us to build on that and extend it. My students edit the course each semester.

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Q: Is OER a platform website to develop on?

A: OER is a license that allows content reuse with attribution. There are a variety of hosting options available. MERLOT is one of the biggest. See <https://www.merlot.org/merlot/>

Q: Can you share the POGIL link?

A: See <https://en.wikiversity.org/wiki/POGIL>

Q: Can you share examples of conducting hands-on activities in remote environments?

A: There are many examples of engaged online learning. There are some coming up in the presentation, but I'll link out to one now. See <https://en.wikiversity.org/wiki/POGIL> and the How to Create a POGIL lesson.

Q: OER seems similar to: <https://open.umn.edu/opentextbooks/subjects/1>, any other recommendations?

A: Yes, Open Textbook Library is an excellent source of OER. There are others if you don't find what you want there.

Q: This sounds a lot like the "multiple means" part of Universal Design for Learning! What are your thoughts on this?

A: Yes, there are a lot of similarities with UDL. I learned about these before UDL became popular in the literature I was reading.

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RESOURCES

The resources and websites listed below are recommended by webinar speakers and may be provided by third parties. AWS does not control or guarantee the accuracy, relevance, or completeness of information contained on the linked websites or resources provided by webinar speakers. AWS is not affiliated with and does not endorse any third party products, services, organizations, or companies described in the websites and resources. AWS does not endorse the views of the webinar speakers or the third party products and services that are referenced.

[AWS Educate](#) - Through AWS Educate, students and educators have access to content and programs

[AWS Educate Office Hours for Educators and Students](#) – Webinars, office hours, and training sessions for educators and students

[E-Learning By Design](#) – E-Learning By Design helps instructors build customized e-learning programs from scratch—building on core principles of instructional design.

[MERLOT](#) – The MERLOT system provides access to curated online learning and support materials and content creation tools, led by an international community of educators.

[POGIL](#) - The Process Oriented Guided Inquiry Learning (POGIL) is a teaching pedagogy that makes students feel engaged, accomplished & empowered.

[Wiki University](#) - Wiki University is a project devoted to learning resources, learning projects, and research for use in all levels, types, and styles of education from pre-school to university, including professional training and informal learning.