BUILDING AN OPEN EDUCATIONAL PRACTICE

Open pedagogy and how it changed my career, my practice, and my life.

@chadhflinn
chad_flinn@bcit.ca

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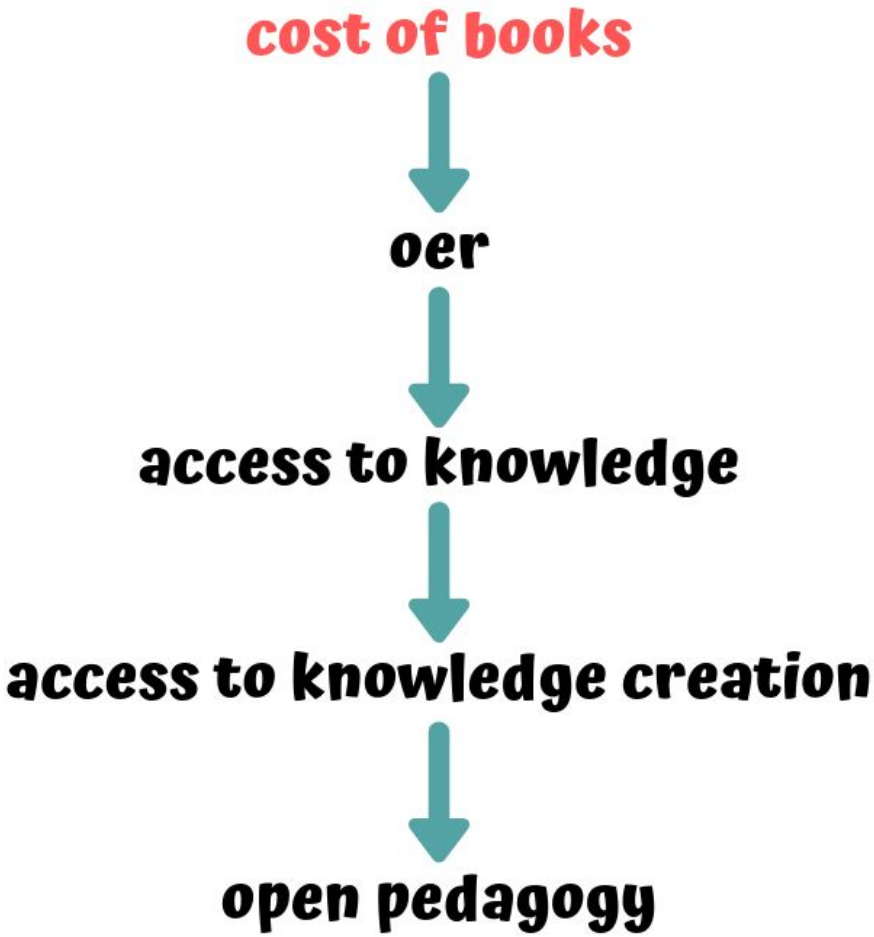

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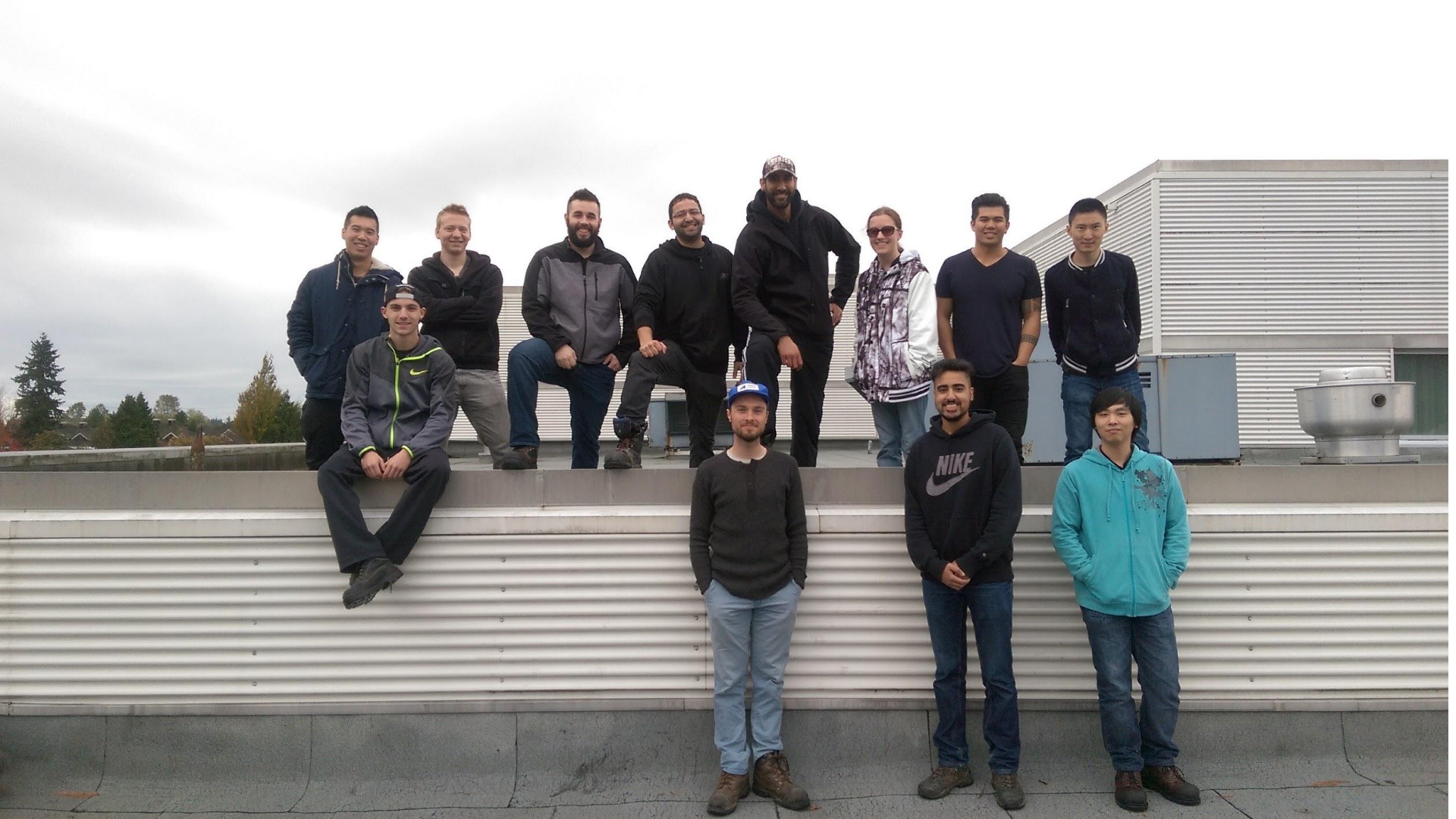
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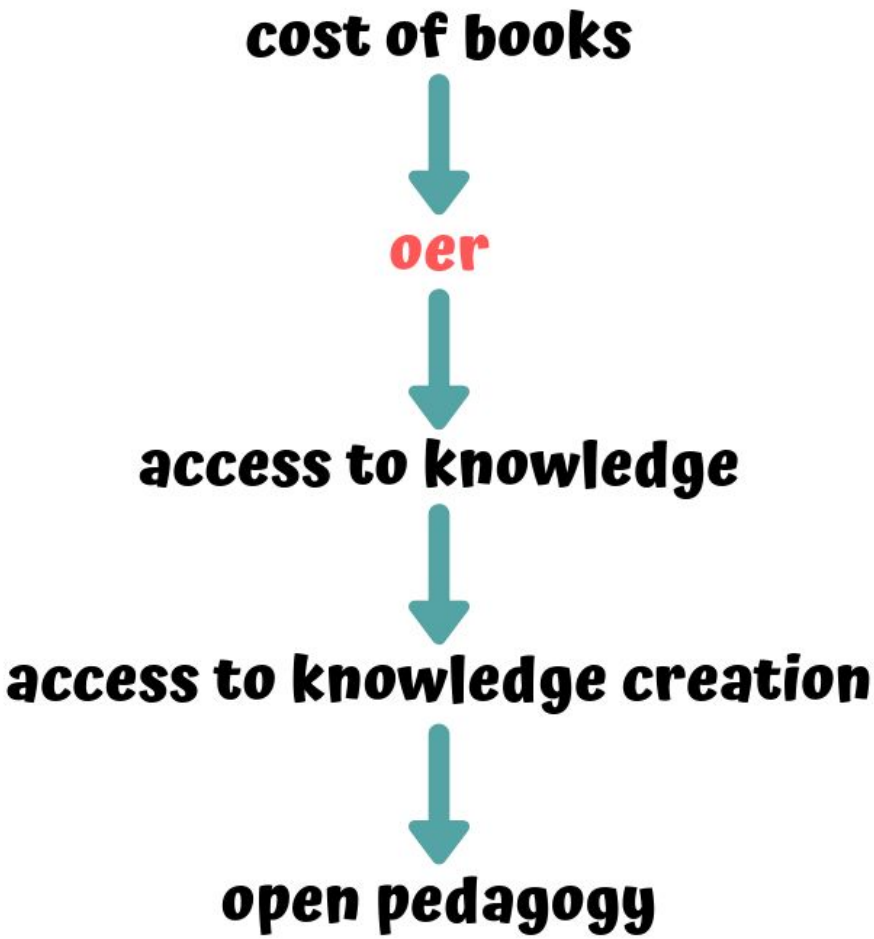

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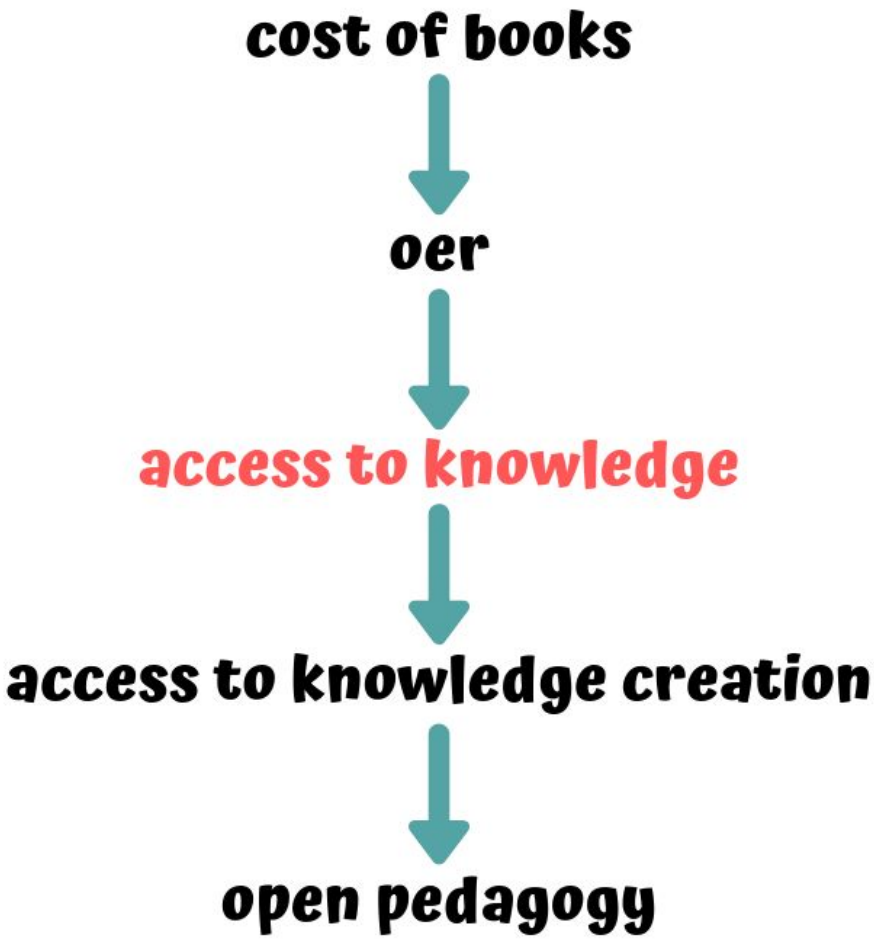

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Social Sciences
Support Resources
Trades
Upgrading Programs

Line A: Safe Work Practices Competency: A-2 Describe WorkSafeBC Regulations

☑ Faculty reviewed ☑ Adopted ☑ Accessible ☑ Ancillary Resources

Author(s): Camosun College
Date: Jan 10, 2019
Description: In most provinces, one or more agencies are responsible for safe, healthful working environments at job sites. These organizations normally have names such as the Workers' Compensation Board (WCB) or the Occupational Health and Safety Department. WorkSafeBC is the provincial organization that promotes workplace health and safety for workers and employers in BC. When a work-related injury, disease, or death occurs, WorkSafeBC collaborates with those involved to provide return-to-work rehabilitat...[more]

Line E: Electrical Fundamentals Competency E-4: Use Multimeters

☑ Adopted ☑ Accessible ☑ Ancillary Resources

Author(s): Camosun College
Date: Jul 17, 2018
Description: Whether you choose to work in an electrical trade, a mechanical trade, or one of the construction trades, you will probably be faced with using and/or maintaining a variety of electrical measuring instruments. This Competency will introduce you to three basic meters for measuring voltage, current, and resistance. You must have a basic understanding of the purpose and operation of each type of meter before you attempt to use one. If you connect a meter incorrectly, you not only risk damaging the...[more]

Line E: Electrical Fundamentals Competency E-3: Explain Wiring Connections

☑ Adopted ☑ Accessible ☑ Ancillary Resources

Author(s): Camosun College
Date: Jul 17, 2018
Description: It is important for you to be familiar with techniques for soldering electrical connections and how to use wireless connectors. For example, the ends of the finely stranded wires used for power supply cords on most portable power tools are soldered to permit a long-lasting, troublefree connection. Solder also produces secure, durable electrical connections for switches, plugs, and tools. Wireless connectors are commonly used in many electrical applications because they are quick and easy to use...[more]

Line E: Electrical Fundamentals Competency E-2: Identify Common Circuit Components and Their Symbols

☑ Adopted ☑ Accessible ☑ Ancillary Resources

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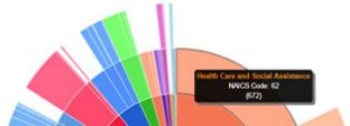

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- Developed in partnership with local industries

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Last updated: Nov 5, 2018

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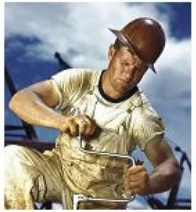

Construction

Electronics Technology

The Electric ACADEMY

The Electric Academy

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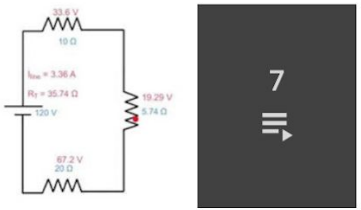
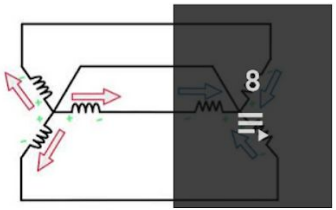
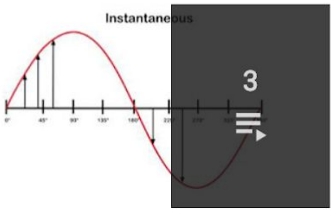


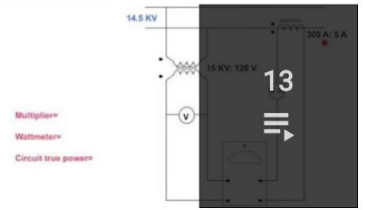
DC Fundamentals



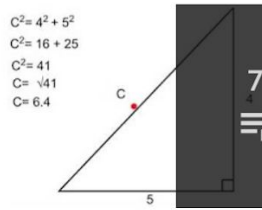
Three Phase Power



AC generation



Transformers

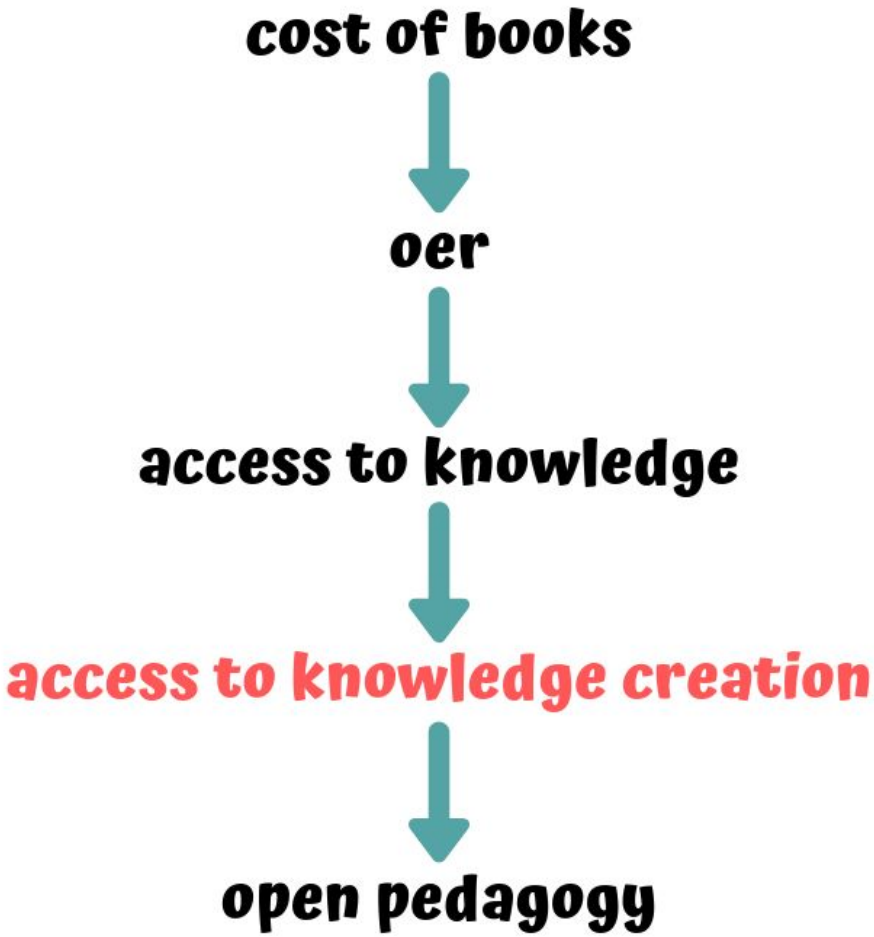


Trigonometry for electricia

AN ELECTRICIANS GUIDE TO:

Trigonometry and Single Phase AC Generation

BY CHAD FLINN



Robin DeRosa,
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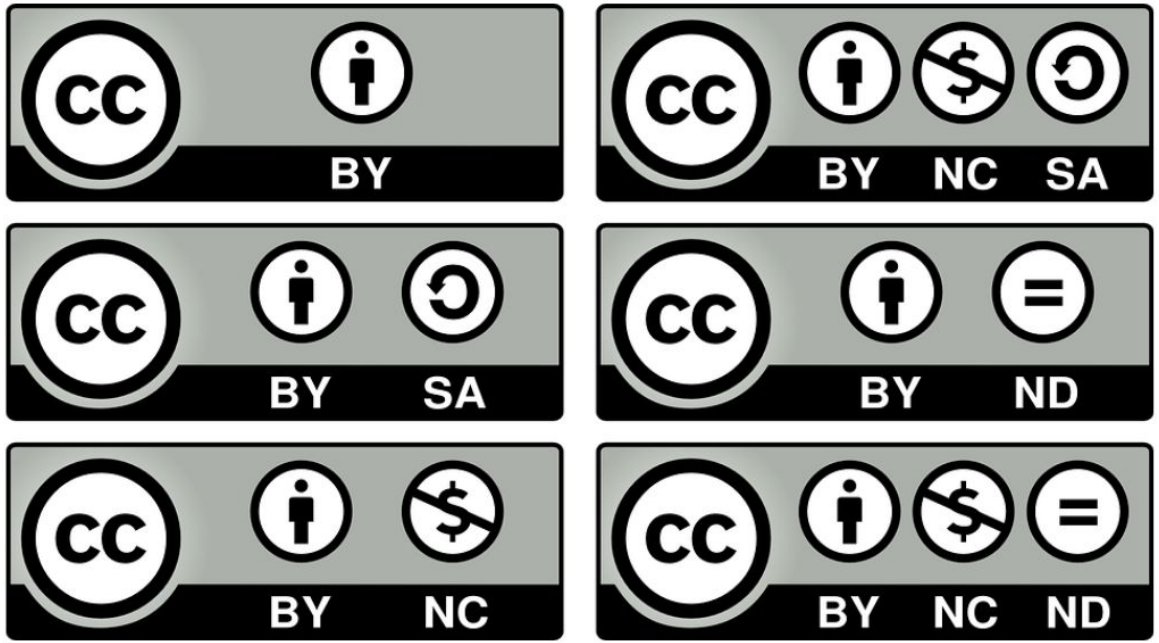

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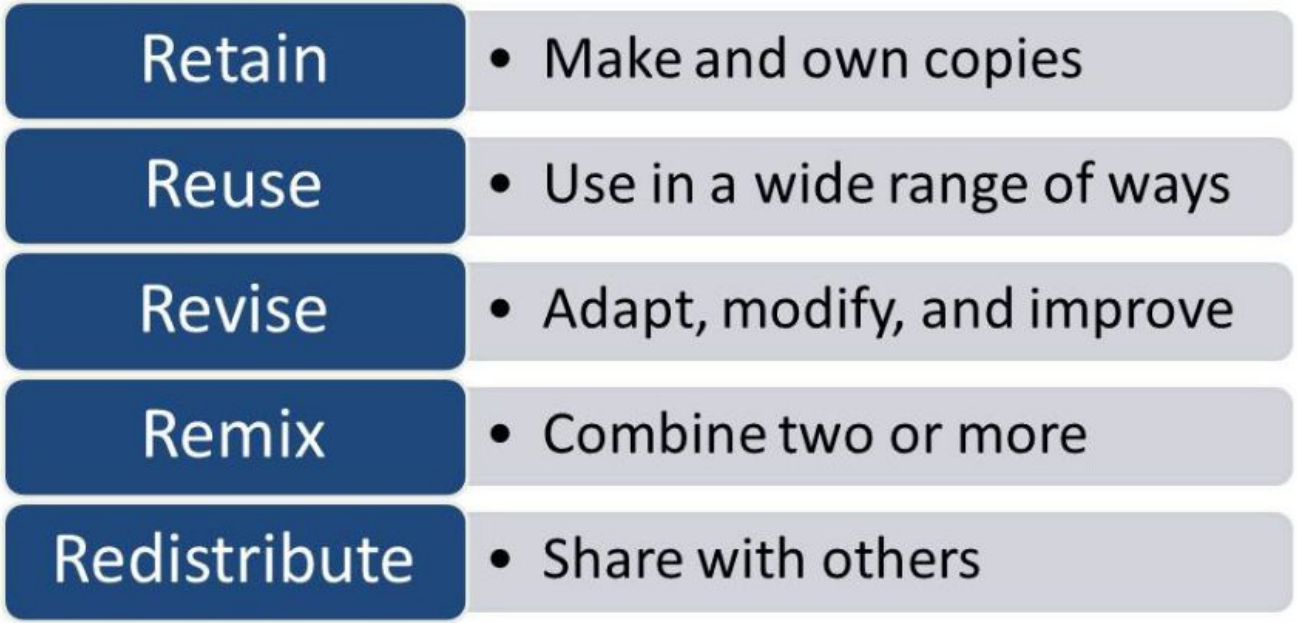

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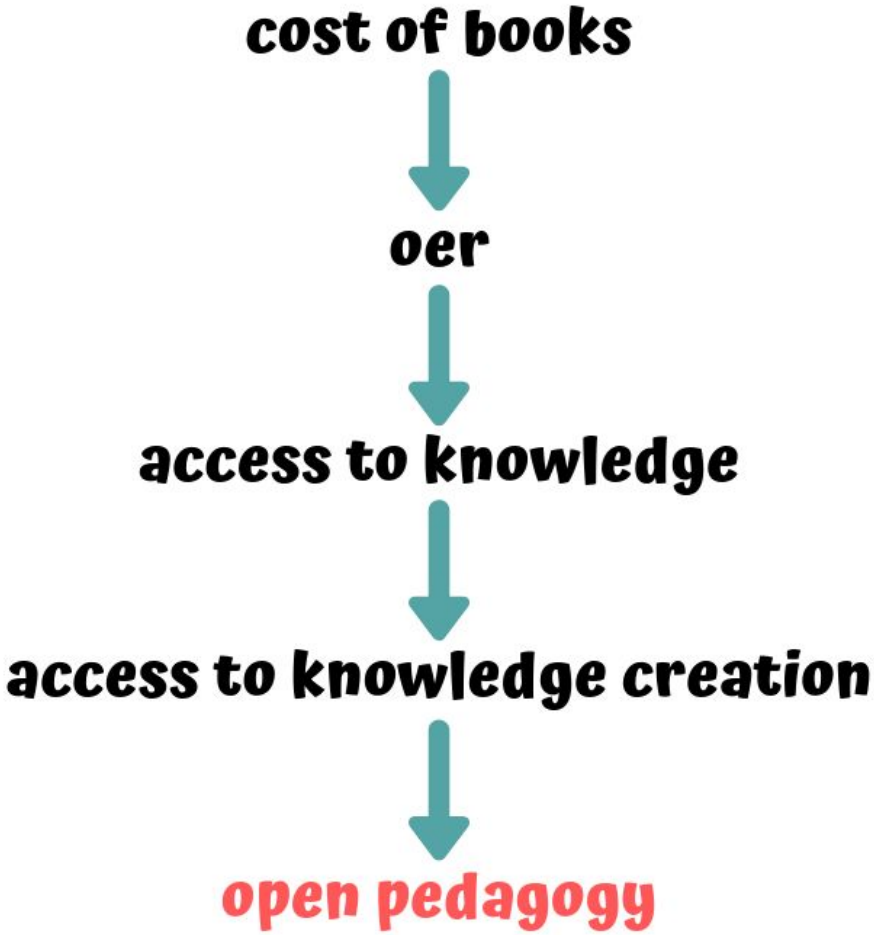

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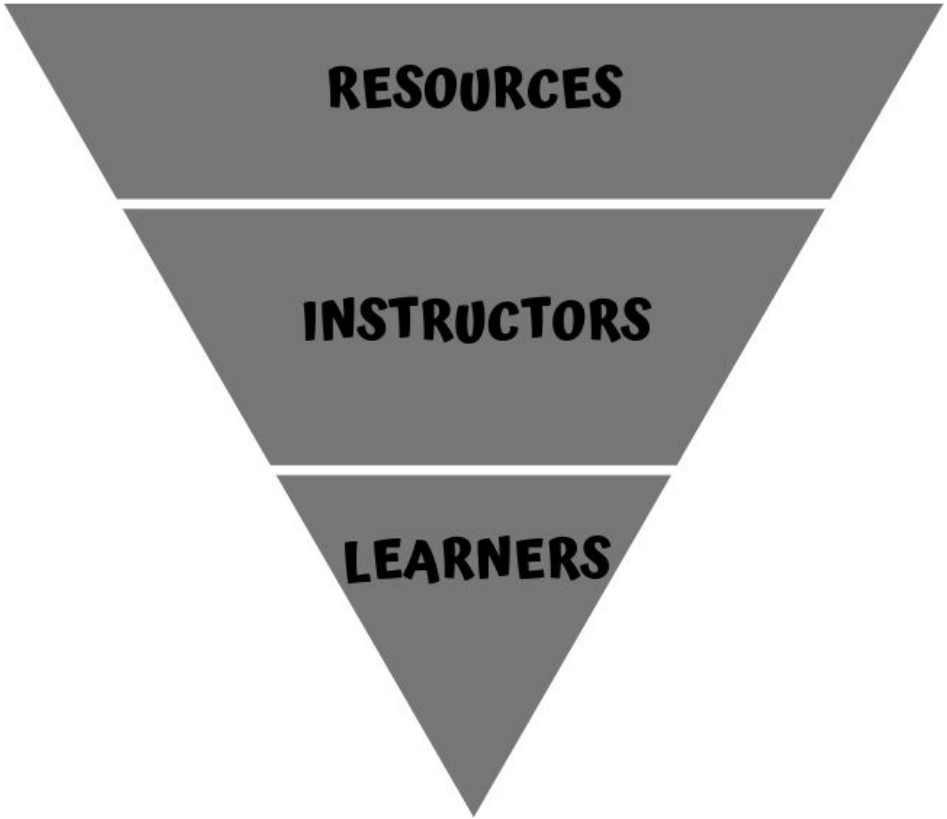
A QUICK AND EASY DEFINITION
OF OPEN PEDAGOGY

Collaborative practices that include the creation, use and reuse of OER and pedagogical practices employing participatory technologies and social networks for:
Interaction
Peer learning
Knowledge creation/sharing
Empowerment of learners.

-Catherine Cronan

“Teaching and learning practices where openness is enacted within all aspects of instructional practice; including the design of learning outcomes, the selection of teaching resources, and the planning of activities and assessment. OEP engage both faculty and students with the use and creation of OER, draw attention to the potential afforded by open licences, facilitate open peer-review, and support participatory **student-directed projects**.”

-Michael Paskevicius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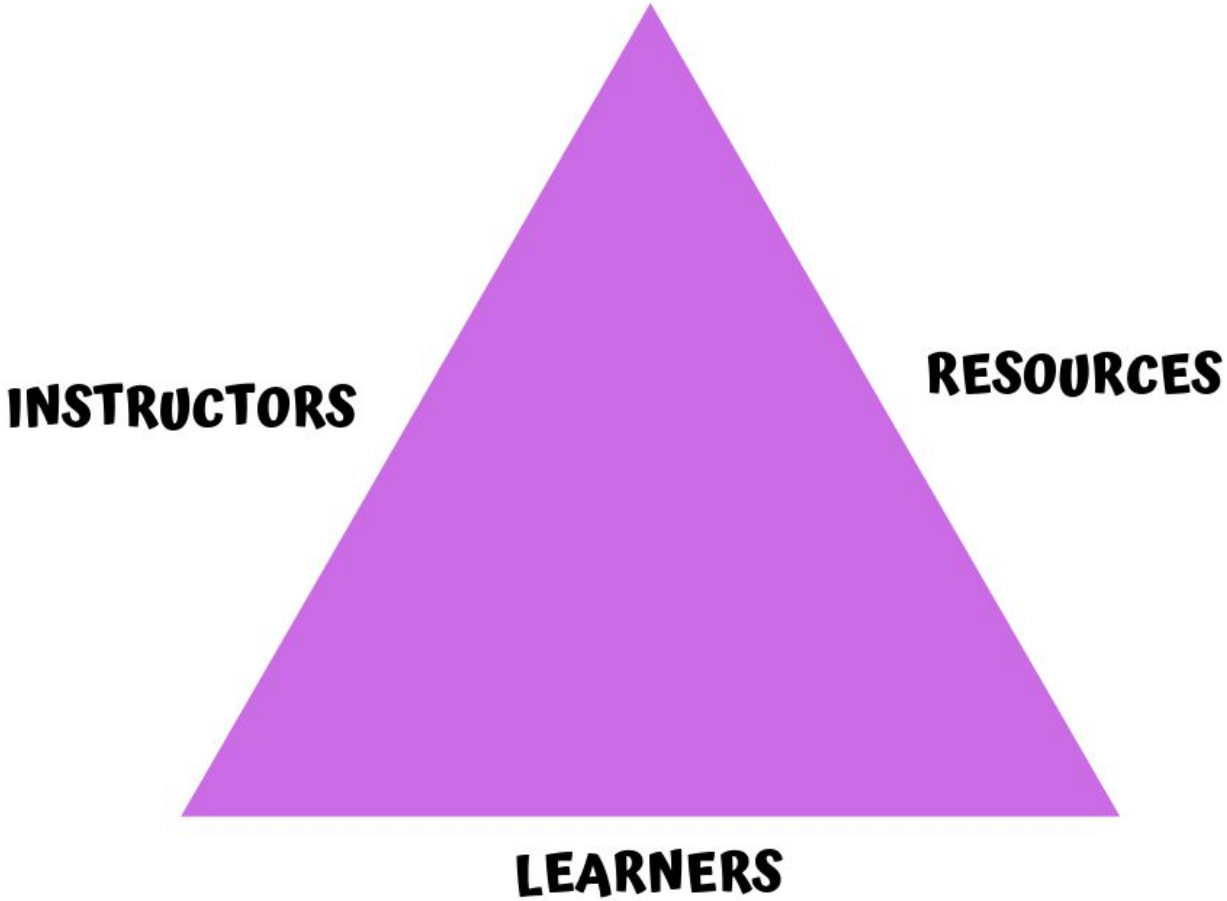
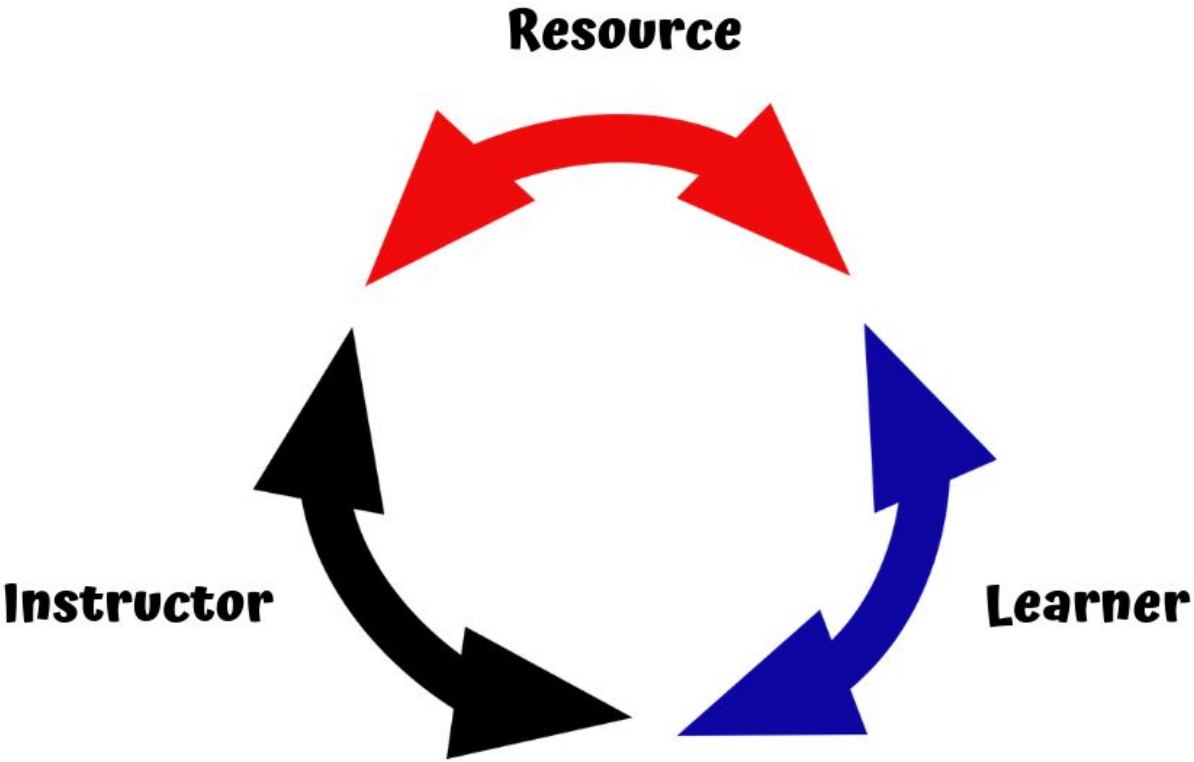
LEARNERS


INSTRUCTORS
RESOURCES
LEARNERS


Resource
Instructor
Learner

Open Pedagogy is a site of praxis and a concept defined by ongoing conversation.

- Robin DeRosa and Rajiv Jhangiani

IF IT AIN'T BROKE BREAK IT!

A REFLECTION ON THE TIME I OPENED UP MY LESSON PLANS AND HIT DELETE.

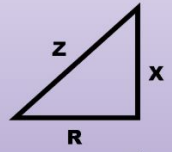

Pods

RL Circuits

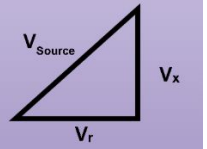
Due to the fact that Inductance and Resistance are out of phase with each other, (it's complicated) we cannot simply add up inductive reactance and resistance, or any of their associated values. (ie: voltages or powers)

As a result of that, we have to add them vectoraly. Please see Slide 11 to learn how to add vectors.

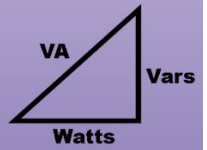
Impedance Triangle



Voltage Triangle



Power Triangle



How to demagnetize a magnet.

- Striking an object several times or heating an object until the temperature is high enough can also demagnetize because of the molecules rearranging themselves in a disordered fashion.
- Demagnetizing can also be done by placing the object in the field of a strong electromagnet connected to an AC line which reverses the polarity of the magnetic field each time the current changes.

Table of Contents

Self Test #1

Q. What is the difference between a permanent magnet and a electromagnet?

Q. What is magnetic induction?

Q. What is the difference between a diamagnetic and a paramagnetic

Q. list three common magnetic materials

Q. What is Paramagnetism

Your personal evalution

Description (optional)

Your name: *

Short answer text

What is your level of understanding of Magnetism?

	Still Learning.	Mostly understand it.	I understand it.	I could teach this!
Level of understanding	○	○	○	○

Did you participate in the textbook portion?

	Little or no Contri...	Below average co...	Average contribut...	Above average c...	Outstanding cont...
Level of effort	○	○	○	○	○

Overall, did you share responsibilities?

	Little or no Contri...	Below average co...	Average contribut...	Above average c...	Outstanding cont...
Level of effort	○	○	○	○	○

Group member #2

Description (optional)

Their name:

Short answer text

Did they participate in the textbook portion?

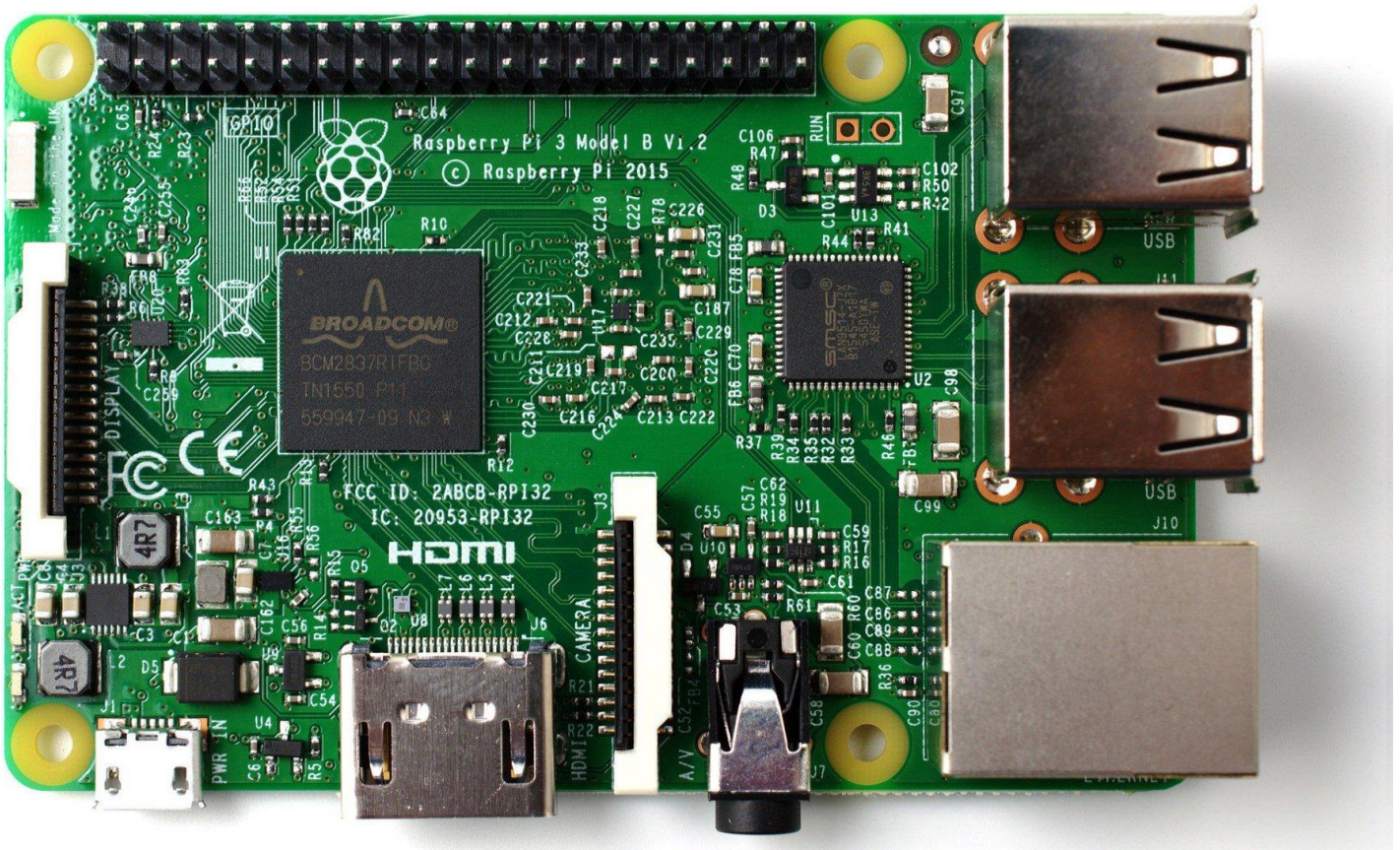
	Little or no Contri...	Below average co...	Average contribut...	Above average c...	Outstanding cont...
Level of effort	○	○	○	○	○

Overall, did they share responsibilities?

	Little or no Contri...	Below average co...	Average contribut...	Above average c...	Outstanding cont...
Level of effort	○	○	○	○	○

Provide some feedback on their contribution

Long answer text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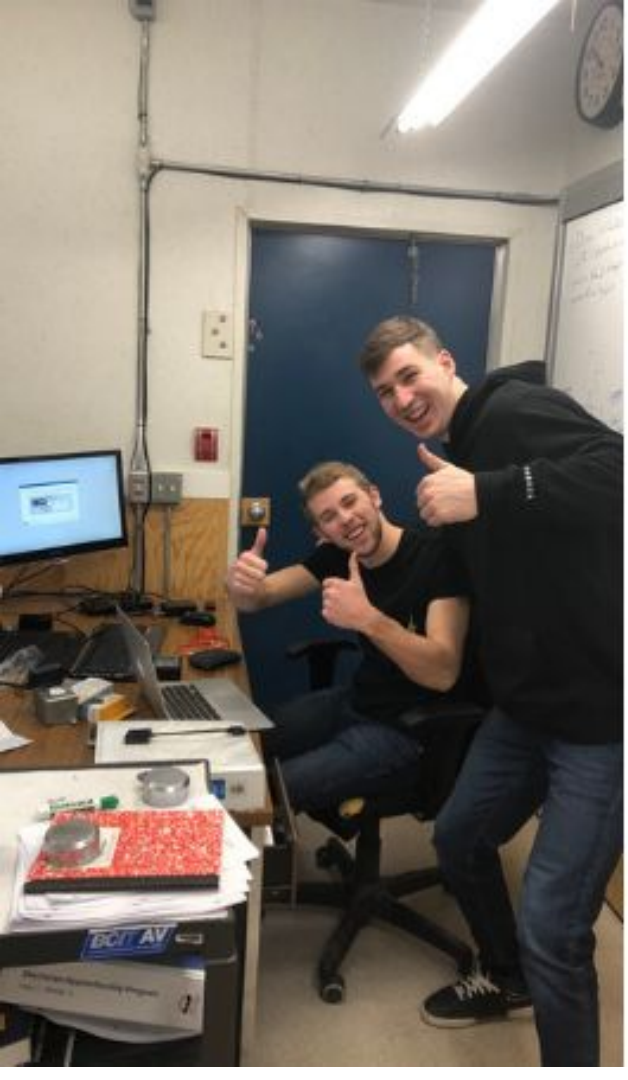
RUN

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TOOLS


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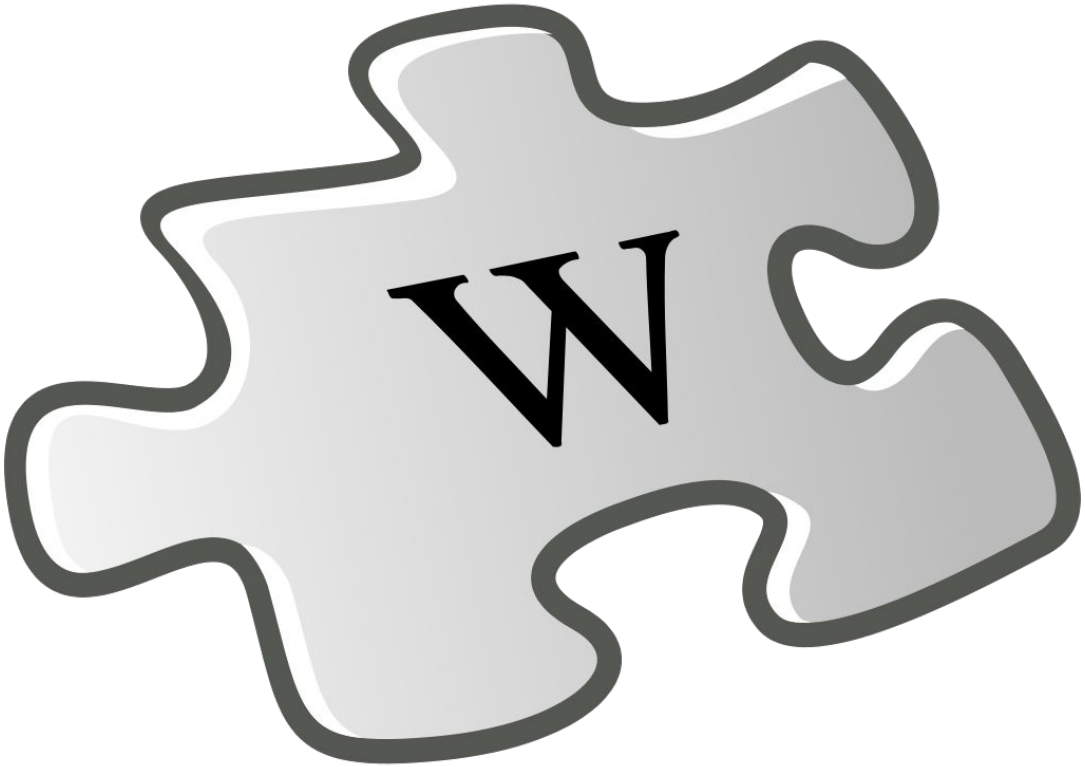
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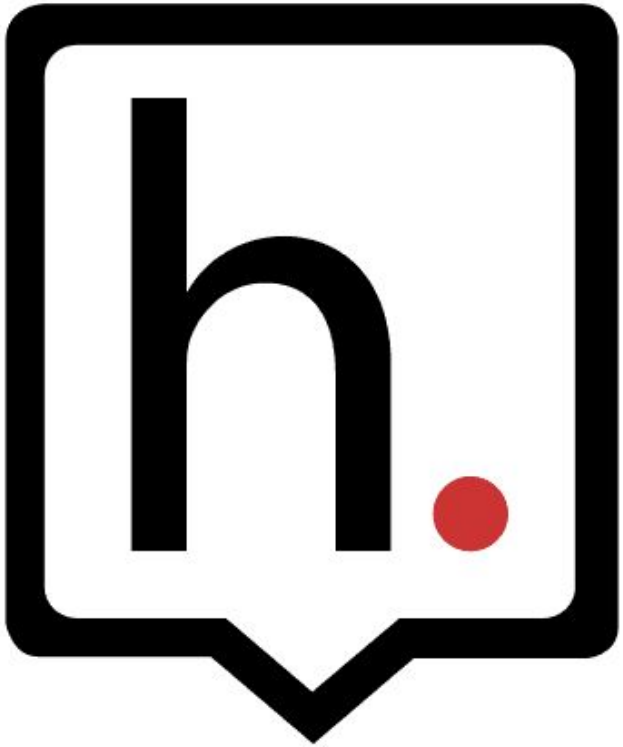

hypothes.is

Atomic Theory and the Electric Jesus

Play Challenge

A public quiz

This Kahoot is for review in #atomic theory, #Ohms law and #Watts law.

0 favorites **5** plays **65** players

Questions (25)

Q1: The amount of charge that flows past a given point in a certain amount of time is called:

Q2: A good conductor has:

Q3: How do you create a triboelectric EMF

Q4: As a resistor heats up it's resistance increases

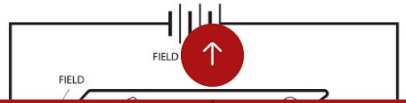
javascript:void(0)


H5P

How a Waveform Is Generated

AC generation with an alternator

If Faraday has taught us anything it is this: Any time you pass a conductor through a magnetic field, you induce a voltage. If we take that conductor and turn it into a loop and spin it continually through that magnetic field, we have created an alternator.



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OPEN PEDAGOGY NOTEBOOK

Sharing Practices, Building Community

The Marginal Syllabus and Open Pedagogy

Are you already familiar with the Marginal Syllabus? The 2018-19 syllabus titled "Literacy, Equity + Remarkable Notes = LEARN" has been announced and can be accessed here. What is the Marginal …

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The Open Faculty Patchbook

A Community Quilt of Pedagogy

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READ BOOK

This is the ultimate test of whether or not a particular approach or technique can rightly be called “open pedagogy” – is it possible without the free access and 4R permissions characteristic of open educational resources? If the answer is yes, then you may have an effective educational practice but you don’t have an instance of open pedagogy. Open pedagogy is that set of teaching and learning practices only possible in the context of the free access and 4R permissions characteristic of open educational resources.

- **David Wiley**

THE WICKED QUESTIONS BEHIND OPEN PEDAGOGY WORKSHOP

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How wonderful that we have met with a paradox. Now we have some hope of making progress. – Niels Bohr

- How is it that you are raising your children to be very loyal/attached to the family and very independent individuals

- As leaders, how is that you have stepped up and stepped back to help a unit take more ownership of their process

- How is that we are always and never the same… an organization with a singular global identity and we are uniquely adapted to each local setting? How is it that we are integrated and autonomous?

- How is it that I am simultaneously dedicated to my work and being fully present for my family?

QUESTION #1:
STUDENT AGENCY

QUESTION #2:
STUDENT CHOICE

QUESTION #3:
CREATIVITY

QUESTION #4: STUDENT CONSTRUCTED

QUESTION #5: FACULTY ENGAGEMENT

One good conversation can shift the direction of change forever.

LINDA LAMBERT