

Understanding, finding, and using open educational resources

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Part 1 Presentation of the Virtual Visiting Professor Program

Prince Songkla University, Thailand

October 15, 2021



THANK YOU



P RINCE OF **S** ONGKLA **U** NIVERSITY

มหาวิทยาลัยสงขลานครินทร์

Our Learning Agenda

- **Description and discussion of free and open educational resources** so you understand the value of these resources.
- **Showcasing free and open technologies** and tools to help you find and use free and open educational resources.
- **Having YOU play and practice** with the technologies and tools so you feel more confident in using these tools.

**Education is one of the
most powerful social
and economic change
agents in the world.**

**Free and Open Educational
Resources hold the
promise to empower
teaching and learning for
ALL!**

An Invitation to “OPEN” DOORS

- Open Educational Resources (OER)
- OpenCourseWare (OCW)
- Open Enrollment (MOOC's)
- Open TextBooks
- Open Access Journals

OPEN = Free of Cost

= Permissions to Use

= Free to Choose How to
Learn In Your Context

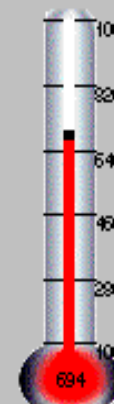
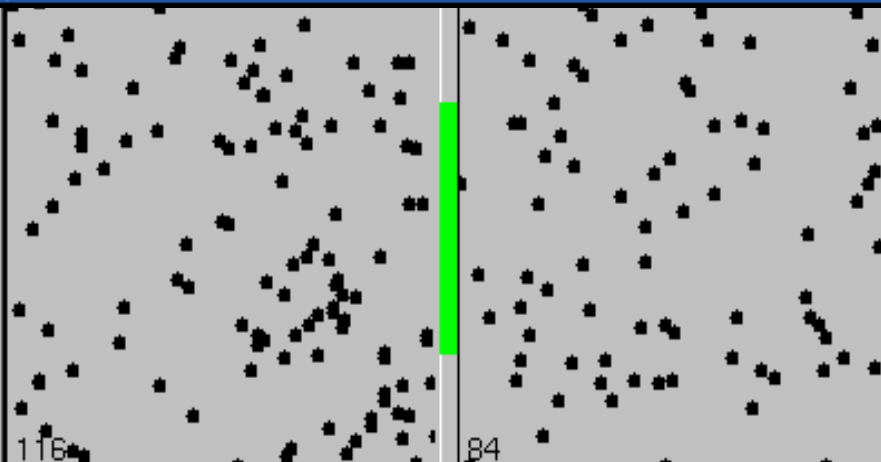
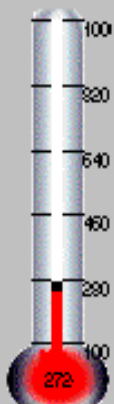
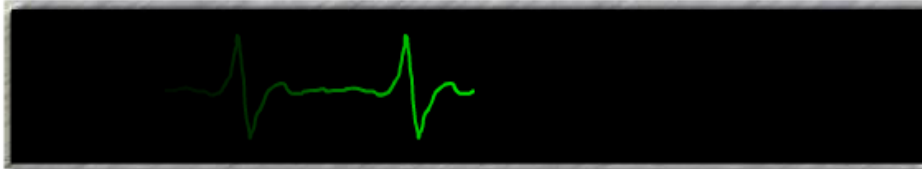


What is Blood Pressure?

Your blood pressure (or BP) is measured in millimeters of Mercury (Hg) and represented by two individual measurements, the systolic pressure over the diastolic pressure.

Systolic pressure is the higher of the two numbers and represents the pressure in the arterial system when the heart beats or contracts.

Diastolic pressure is the pressure between contractions, or when your heart is at rest between beats.



Open Educational Resources:

Simulations
Animations
Tutorials
Presentations
Drill and Practice
ePortfolios
Assessments
Collections
Virtual Labs
etc.



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Search



Advanced Search

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Aerodynamics

COURSE HOME <

SYLLABUS

CALENDAR

READINGS

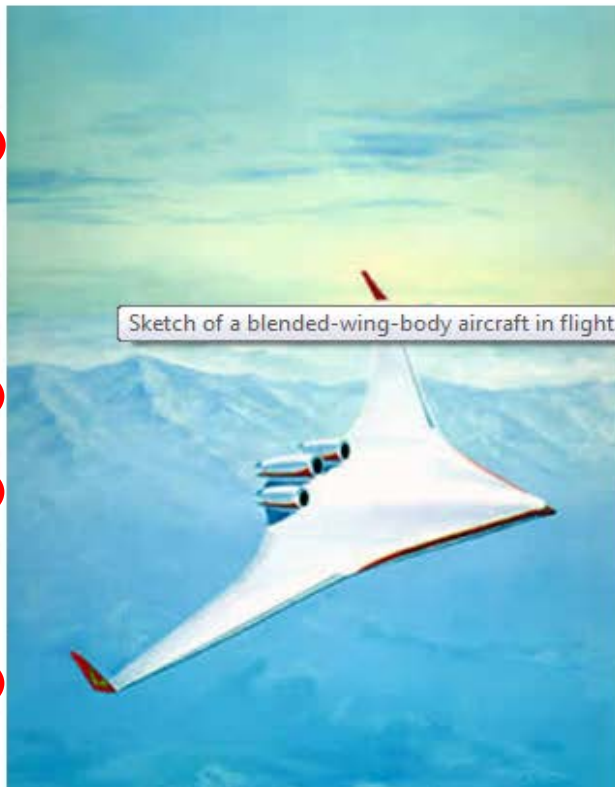
LECTURE NOTES

ASSIGNMENTS

EXAMS

PROJECTS

STUDY MATERIALS



Instructor(s)

Prof. David Darmofal

MIT Course Number

16.100

As Taught In

Fall 2005

Level

Undergraduate

CITE THIS COURSE

Donate Now >



Why I
Donate

"OCW gives me the opportunity to learn and discover present-day technology in a fascinating and exciting way."

- Alessandro, Independent Learner, Italy

▶ READ MORE

Exam Prep
on OCW

STUDY PHYSICS,
CALCULUS, BIOLOGY
AND CHEMISTRY



MOOC's – Open Enrollment

Thai MOOC

ค้นหาชื่อรายวิชา

รายวิชา

หน่วยงาน

ผู้ให้บริการ

สถาบันที่เข้าร่วมพัฒนารายวิชาออนไลน์

ผู้เรียนสามารถเลือกวิชาที่ต้องการเรียนออนไลน์จากสถาบันการศึกษาได้ตามต้องการ



และมีอีกหลากหลายหน่วยงานและสถาบันที่ร่วมพัฒนารายวิชาออนไลน์กับ Thai MOOC



ค้นหาชื่อรายวิชา

ค้นหา

หมวดหมู่รายวิชา



การศึกษาและการฝึกอบรม



อาหารและโภชนาการ



คณิตศาสตร์และ
วิทยาศาสตร์



คอมพิวเตอร์และเทคโนโลยี



ทักษะชีวิตและการพัฒนา
ตนเอง



Open Textbooks



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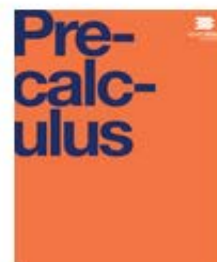
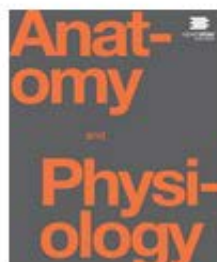
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Open Access Journals



SUPPORT ♥ ▾ APPLY ▾ SEARCH 🔍

SEARCH ▾

DOCUMENTATION ▾

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SEARCH

Journals ?

All fields ▾



🔗 SHARE OR EMBED

16,999 indexed journals

Sort by

Results per page

⚙️ Refine search results

Added to DOAJ (newest first) ▾

50 ▾

SEE JOURNALS...

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- ☐ Without article processing charges (APCs)

SUBJECTS ▾

Search 513 subjects 🔍

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< Prev

Page 1 of 340

Next >

Известия ТИНРО 🔗

Izvestiya TINRO

Published by *Transactions of the Pacific Research Institute of Fisheries and Oceanography* in Russian Federation

Last updated on 13 Oct 2021

[Website](#) 🔗

No charges

[CC BY](#)

11

OER Defined

Digitized materials offered freely and openly for educators, students and self-learners to use and re-use for teaching, learning and research

**Organization for Economic Cooperation and Development,
2007**

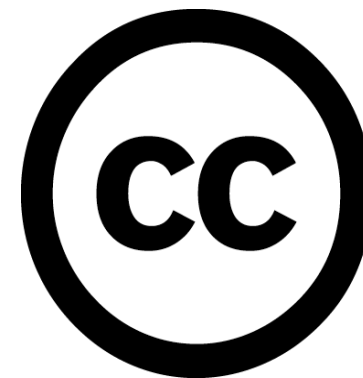
**Also see William and Flora Hewlett Foundation:
<http://www.hewlett.org/programs/education-program/open-educational-resources>**

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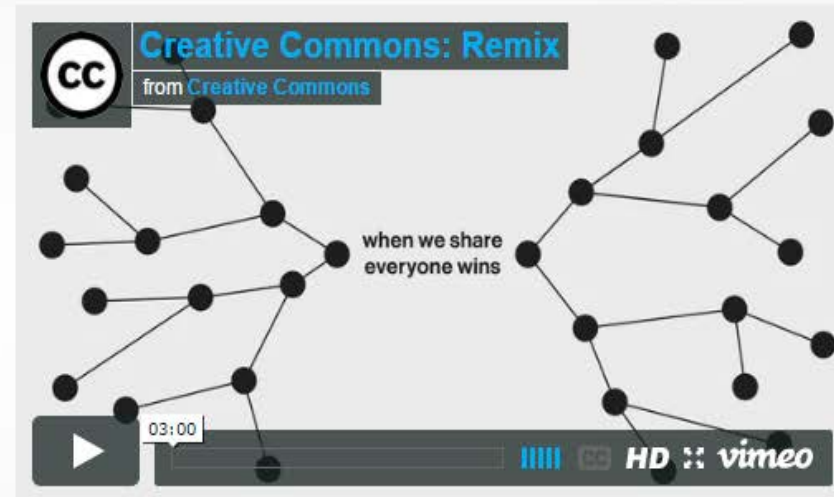
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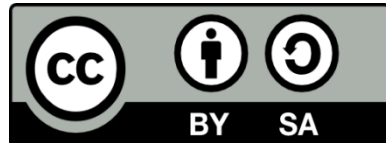
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How Can You Find and Use OER Easily?

How Can Your Students Find and Use OER Easily?

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Thermodynamic Equilibrium Can Be Exciting



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VI. Circuits

VII. Optics

[Home](#) » [Thermodynamics](#) » [Kinetic Theory & Ideal Gas Law](#)

Chapter 20: Kinetic Theory & Ideal Gas Law

⊕ Illustrations

⊖ Explorations

[20.1: Kinetic Theory, Microscopic and Macroscopic Connections](#)

[20.2: Partial Pressure of Gases](#)

[20.3: Ideal Gas Law](#)

[20.4: Equipartition Theorem](#)

[20.5: PV Diagrams and Work](#)

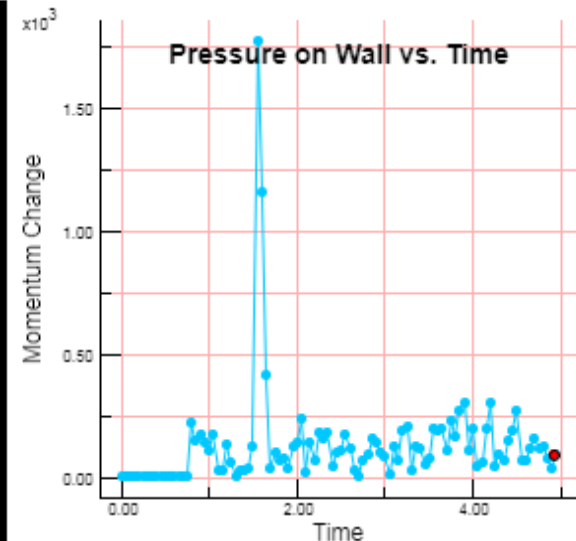
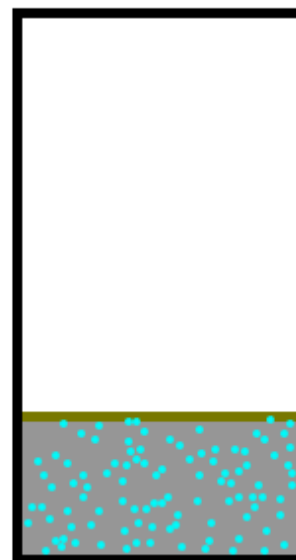
[20.6: Specific Heat at Constant Pressure and Constant Volume](#)

⊕ Problems

⊕ Supplements

Exploration 20.3: Ideal Gas Law

<< • >>



N	V	T	$N \cdot \langle mv^2 \rangle / dt = \langle F \rangle$ for last 5 ti
+100.00	+100.00	+100.00	+121.52



N = 100

| T = 100

| V = 100

Set values

MERLOT is here to support your remote teaching and learning needs. [Learn more about our COVID-19 response.](#)

The MERLOT system provides access to curated online learning and support materials and content creation tools, led by an international community of educators, learners and researchers.

SmartSearch

Search the MERLOT Collection, Other Libraries, and the Web

Search

What is SmartSearch?

Advanced Search by: [ISBN](#) | [Materials](#) | [Members](#)

CalState

California State University System

[Materials from my institution](#) | [Members from my institution](#)

95,612

Learning Resources

187,551

Registered Members

4,353

Member Institutions

1,529

Recent Contributions

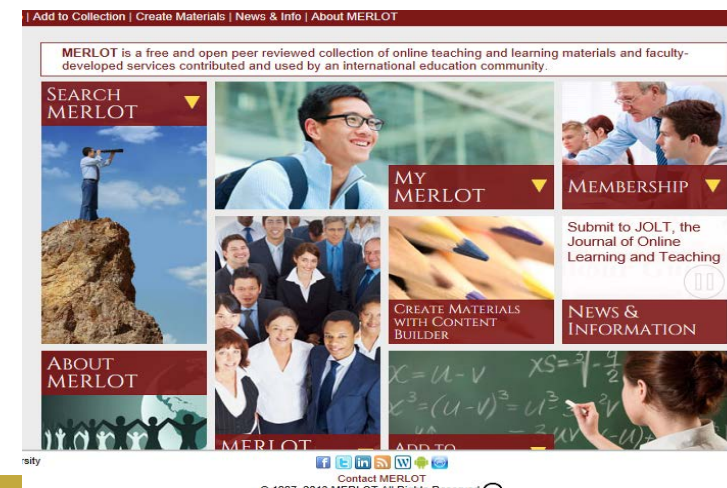
www.merlot.org

Multimedia Educational Resource for Learning and Online Teaching

- **Open Educational Services of MERLOT**

- Created, administered, and supported by the California State University since 1997
- Partnering with higher education institutions, digital libraries, professional societies, and industry
- Powered by individuals around the world

MERLOT has many versions to align with your needs!



Let's Go to MERLOT Together

- Exit the Full Screen of Zoom so you can open another window at the same time
- In the new window, open the MERLOT website
 - www.merlot.org
- You can duplicate the steps I take or you can explore on your own
- I will pause from time to time and ask if you have questions. Type them in the CHAT

Tour of the MERLOT Vineyard

- Using MERLOT's SMARTSearch to find free and open educational resources
- Exploring MERLOT's many curated collections by discipline, partner, and purpose
- Using Bookmark Collections to find what other people have selected
- Becoming a MERLOT member – it's FREE too!

MERLOT Collection

Search keywords, title, URL, ISBN, or author

DNA

Go

Advanced Search Options ▾

MERLOT Collection

Other Libraries

The Web



Sort by Relevance ▾

Show results for

1-24 of 726 results for "dna"

Materials

Members
Learning Exercises
Bookmark Collections
Course ePortfolios
Peer Reviews
Communities

Filter by

Discipline

Academic Support Services (6)
Arts (1)
Business (4)
Education (25)
Humanities (14)
Mathematics and Statistics (8)
Science and Technology (687)
Social Sciences (30)

DNA from the Beginning



DNA from the Beginning is an animated tutorial on DNA, genes and heredity. The science behind each concept is explained... [see more](#)

Material Type: Simulation
Author: Cold Spring Harbor Laboratory
Date Created: April 11, 2000
Date Modified: August 16, 2018
Peer Review: ★★★★★

Biological animations and tutorials



Key biological concepts animated as narrated and stepped tutorials, along with quizzes.

Material Type: Animation
Author: Sumanas, Inc.
Date Created: June 23, 2005
Date Modified: August 8, 2018
Peer Review: ★★★★★
User Rating: ★★★★★

Genetic Science Learning Center



An educational site focused on modern human genetics analysis. Has both on-line activities and instructions for labs and... [see more](#)

Material Type: Reference Material
Author: Eccles Institute of Human Genetics, Utah Museum of Natural History
Date Created: April 18, 2000
Date Modified: August 16, 2018

The Virtual Transgenic Fly Lab



The lab will familiarize you with the science and techniques used to make transgenic flies. Transgenic organisms, which... [see more](#)

Material Type: Tutorial
Author: Donna Messersmith
Date Created: April 6, 2005
Date Modified: July 21, 2018
Peer Review: ★★★★★
User Rating: ★★★★★

Peer Reviewed, User Reviewed, Member Collections, Recommendations, and more

Overview of Material

Search keywords, title, URL, ISBN, or author

Search

[Advanced Search Options](#) ▾

[Home](#) / [Material Search Results: dna](#) / [Material Detail: DNA from the Beginning](#)

Material Detail



DNA from the Beginning

DNA from the Beginning is an animated tutorial on DNA, genes and heredity. The science behind each concept is explained using animations related to DNA topics, an image gallery, video interviews, problems, biographies, and links related to DNA. There are three sections, Classical Genetics, Molecules of Genetics and Organization of Genetic Material. Key features are the clear explanations of classical experiments and the...


[Show More](#)

Keywords: genetics, genes, DNA, DNA models, History about DNA


Disciplines:

[Science and Technology](#) / [Agriculture and Environmental Sciences](#) / [Animal Sciences](#)

[More...](#)

[Go to Material](#) 

 [Bookmark / Add to Course ePortfolio](#)

 [Create a Learning Exercise](#)

 [Add Accessibility Information](#)

Rate     

Share      34

[Add a Comment](#)

Quality

Peer Review ★★★★★

User Rating ★★★★★

Comments (64)

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Bookmark Collections (492)

Course ePortfolios (26)

[Accessibility Info](#)



Editors' Choice



MERLOT Classic

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DNA FROM THE BEGINNING

An animated primer of 75 experiments that made modern genetics.

CLASSICAL
GENETICS

MOLECULES
OF GENETICS

GENETIC
ORGANIZATION
AND CONTROL

DNA from the Beginning is organized around key concepts.

The science behind each concept is explained by:
animation, image gallery, video interviews, problem, biographies, and links.

Search Other Libraries

The screenshot shows the MERLOT website interface. At the top, there's a navigation bar with links like 'Browse', 'Add', 'Communities', 'Partner Benefits', 'News & Info', and 'About MERLOT'. A search bar is present with the text 'SBN, or author' and a 'Go' button. Below the navigation bar, there are three tabs: 'MERLOT Collection', 'Other Libraries' (highlighted with a red box), and 'The Web'. The search results are displayed in a grid. The first result is 'Endotheliopathy is associated with...', followed by 'Dan Gibson: How to build synthetic...' (TED logo), 'DNA | edX' (edX logo), and 'Circulating, cell-free DNA as a...' (PLOS logo). Each result card includes a title, a logo, a brief description, and links for 'Bookmark' and 'Go to material'. On the left side, there's a 'Filter by' section with a dropdown menu for 'Library'. The dropdown menu is open, showing a list of libraries including 'All Libraries', 'Alison', 'Amazon Inspire', 'BC Campus OpenEd', 'Carnegie Mellon University Open Learning Initiative', 'Class Central', 'ComPADRE', 'Community College Open Textbooks Collaborative', 'Cool4Ed', 'Curriki', 'Digital Commons Network', 'Directory of Open Access Books', 'EdX', 'Edna Online', 'Encyclopedia of Life', 'European Association of Distance Teaching Universities EADTU', 'Flickr', 'Free Documentaries', and 'Global Textbook Project'. The dropdown menu is also highlighted with a red box.

Filter by

1-10 of 100 results for "dna" (MERLOT will always display up to 100 results, regardless of filters)

Library

All Libraries

All Libraries

Alison

Amazon Inspire

BC Campus OpenEd

Carnegie Mellon University Open Learning Initiative

Class Central

ComPADRE

Community College Open Textbooks Collaborative

Cool4Ed

Curriki

Digital Commons Network

Directory of Open Access Books

EdX

Edna Online

Encyclopedia of Life

European Association of Distance Teaching Universities EADTU

Flickr

Free Documentaries

Global Textbook Project

Endotheliopathy is associated with...

Dan Gibson: How to build synthetic...

TED

Biologist Dan Gibson edits and programs DNA, just like coders program a computer. But his "code" creates life, giving...

More info

Go to material

Bookmark

DNA | edX

Free DNA courses online. Learn about genetics, DNA sequencing and more to start or advance your science career with free...

More info

Go to material

Bookmark

Circulating, cell-free DNA as a...

While cell-free DNA (cfDNA) has initially been shown to increase under acute and chronic pathological conditions like...

More info

Go to material

Bookmark

New evidence that a

Clinical utility of

Ancient DNA analysis of

Simultaneously search over 75 other OER & Free Collections

Search keywords, title, URL, ISBN, or author

Go

Advanced Search Options ▾

MERLOT Collection

Other Libraries

The Web



Filter by

Discipline

Any Discipline ▾

1-10 of 100 results for "dna" (MERLOT will always display up to 100 results, regardless of filters)

DNA Creative: Social
Media Marketing...

dnacreative.tv

The #1 Choice for Social Media
Management & Marketing, Video
Production, Graphic Design &
Branding, Photography and...

Bookmark More info
Go to material

DNA Learning Center -
Cold Spring...

cshl.edu

Thank you for your patience while we
update our website to better serve
you. Visit the DNA Learning Center
website. The...

Bookmark More info
Go to material

BTS (방탄소년단) 'DNA'
Official MV -...

youtube.com

BTS (방탄소년단) 'DNA' Official MV
Credits: Director : YongSeok Choi
(Lumpens) Assistant Director : Wonju
Lee (Lumpens)...

Bookmark More info
Go to material

Sequencing of
Circulating Cell-free...

nejm.org

Twenty years ago, cfDNA was
identified as a plasma analyte when Y
chromosomal "fetal" DNA was
extracted and amplified...

Bookmark More info
Go to material

PRS | Bill Track | The
DNA Technology...

prsendia.org

The DNA Technology (Use and
Application) Regulation Bill, 2018 was

DNA Resource Core -
DF/HCC

harvard.edu

The DF/HCC DNA Resource Core
provides DF/HCC members, Harvard

DNA Learning Center //
University of...

nd.edu

Summer science camps. The Notre
Dame DNA Learning Center is a

Your DNA is an open
book — but can't...

sciencenewsforstudents.org

There are many companies that offer
to read your DNA. But be prepared:

Not filtered by Creative Commons

Not filtered by Creative Commons

CC Zero
CC by
CC by-sa
CC by-nd
CC by-nc
CC by-nc-sa
CC-by-nc-nd

Searches the WWW with “education rubric”

Finding & Using OER

- **MERLOT provides you access to just about every free and open teaching resource available.**
 - 90,000 resources with high level of curation in MERLOT collection
 - Over 1 million resources in over 70 other open libraries
 - Millions of resources on the web via special Google app
- **MERLOT is open to the world community to share their materials to the library – the world's public library catalog.**
 - All academic disciplines to various degrees
 - Usable in over 70 languages with Google Translator

Moving Online with OER

Thailand Cyber University

Home Teaching Online Learning Online Career & Technical Education Share Accessibility Free Online Ed Services About

Preparing Teachers & Students for Online Learning



In response to the COVID19 pandemic, the Thailand Cyber University (TCU), SkillsCommons and MERLOT have created this online portal to help institutions, organizations, teachers, and students prepare to teach and learn online by providing easy access to educational guidelines and resources.

Teaching Online



Learning Online



Career/Technical Ed Resources



MERLOT created a portal to help teachers and students move online.

The portal is an OER so we've creating many derivative portals including for Thai Cyber University

Are you looking workforce development and career technical training OER?

SKILLS COMMONS
open for learning
(beta)



Finding & Using Workforce OER

- **SkillsCommons (www.skillscommons.org)** provides free and open workforce training materials.
 - **Over 60,000 OER** in manufacturing, healthcare, information technology, energy & sustainability, facilities and business operations, agriculture, construction, oil & gas operations,... curated by industry & education experts
 - **Over 500 open courseware** that you can download, reuse, revise, remix, redistribute, and retain in moocs!

Leverage the \$1.9 Billion investment by the U.S. Dept of Labor



Workforce Development Digital Library



Browse by [industry](#), [credentials](#) & [material type](#) | [Advanced search](#)

www.skillscommons.org



COVID-19 Response: Get FREE and OPEN Learning Materials for [Hygiene](#) | [Workplace Safety](#) | [Infection Control](#).



View Showcases

Project outcomes, course material



Get Connected

Announcements, SkillsCommons



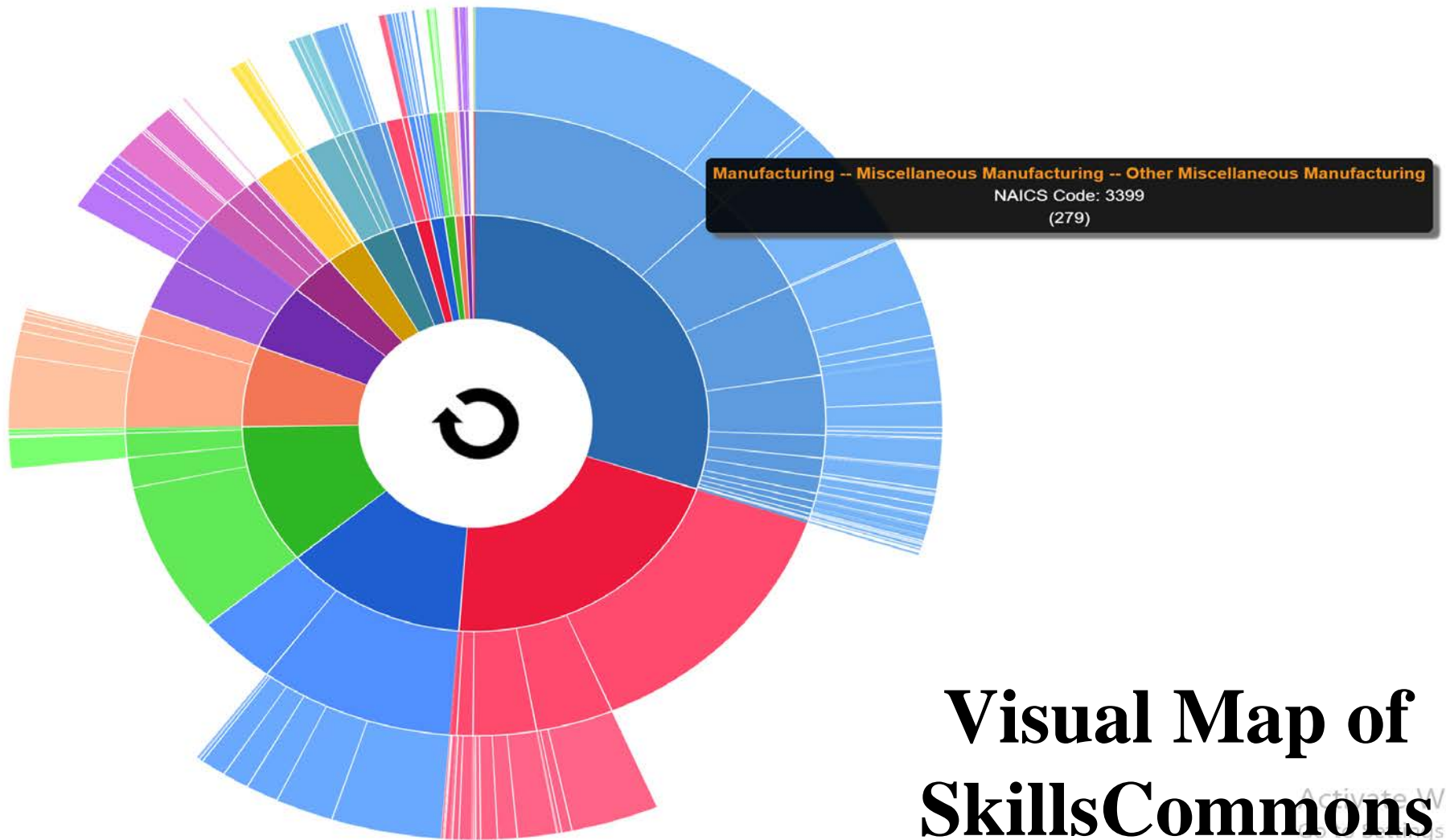
Contribute Materials

Upload OER and workforce development



Support Center

Get help uploading, planning, and



Find Complete Course Content in SkillsCommons

SKILLS COMMONS

ABOUT +

BROWSE +

SHOWCASES

PARTNER WITH US +

CONTACT

LOGIN

Home > Accessible Support Services and Instruction for Sustainable Transition to Work (ASSIST) > Learning Resources Collection > View Item

COL 103: College Skills

Chavis, Lora ; Elvington, Patti

COL 103: College Skills - Module 1: You and Your College Experience, Module 2: Manage Yourself, Manage Your Time, Module 3: Listening, Note-taking, and Remembering, Module 4: Test Taking Skills, Module 5: Problem Solving and Decision Making, Module 6: Planning for Your Future Career

DOWN- LOAD Materials To Your Computer

 Course Outlines, Content, Interactive Resources, Assessments, SME Review Info (24 MB)

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Additional Public Access To Materials:

https://openeducation.blackboard.com/mooc-catalog/courseDetails/view?course_id=_2145_1

Date:

2014

Primary Material Type:

Online Course

Other Material Types:

Collection

Institution:

Northeastern Technical College

Project Name:

Accessible Support Services and Instruction for Sustainable Transition to Work (ASSIST)

Browse all of SkillsCommons

- [Projects](#)
- [Material Type](#)
- [Credential Type](#)
- [Institution](#)
- [Industry](#)
- [Industry \(Wheel\)](#)

Browse this Collection

- [Material Type](#)
- [Credential Type](#)
- [Institution](#)
- [Industry](#)
- [Industry \(Wheel\)](#)

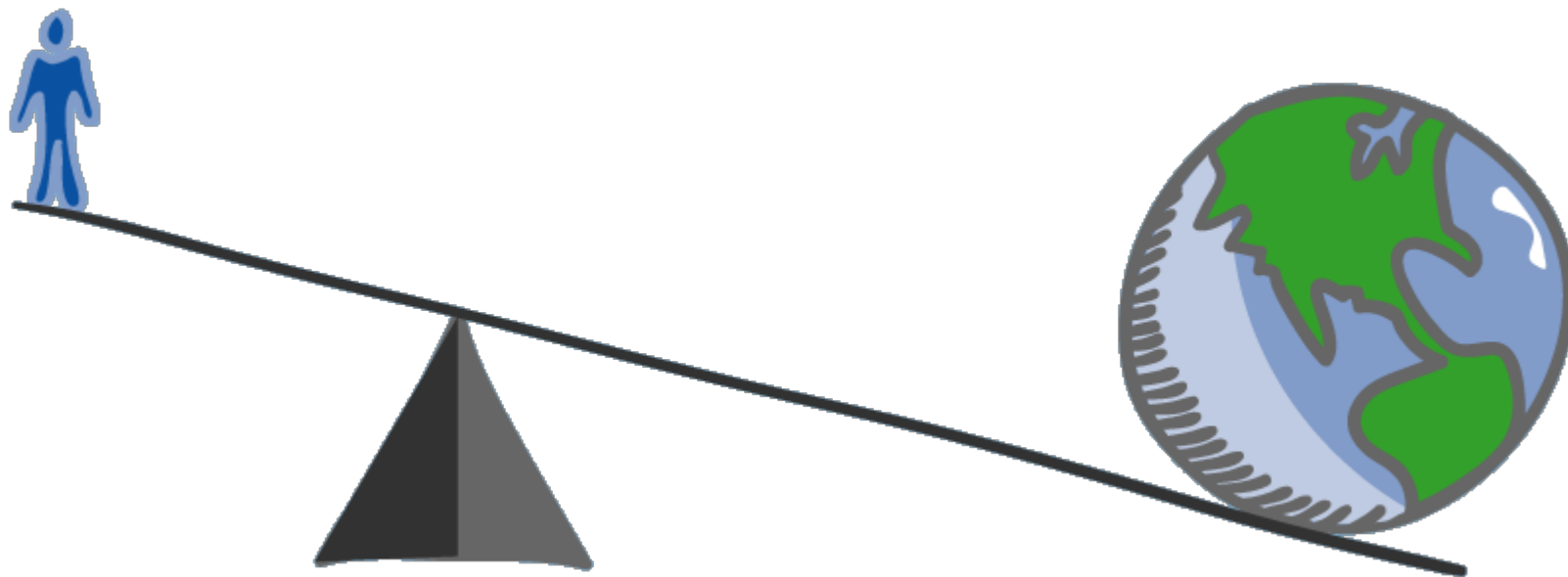
Statistics

- [Most Popular Items](#)
- [Most Popular Material Types](#)

Let's Tour The SkillsCommons Collection!

- Key word search and use “aspects”
- Explore the Showcases

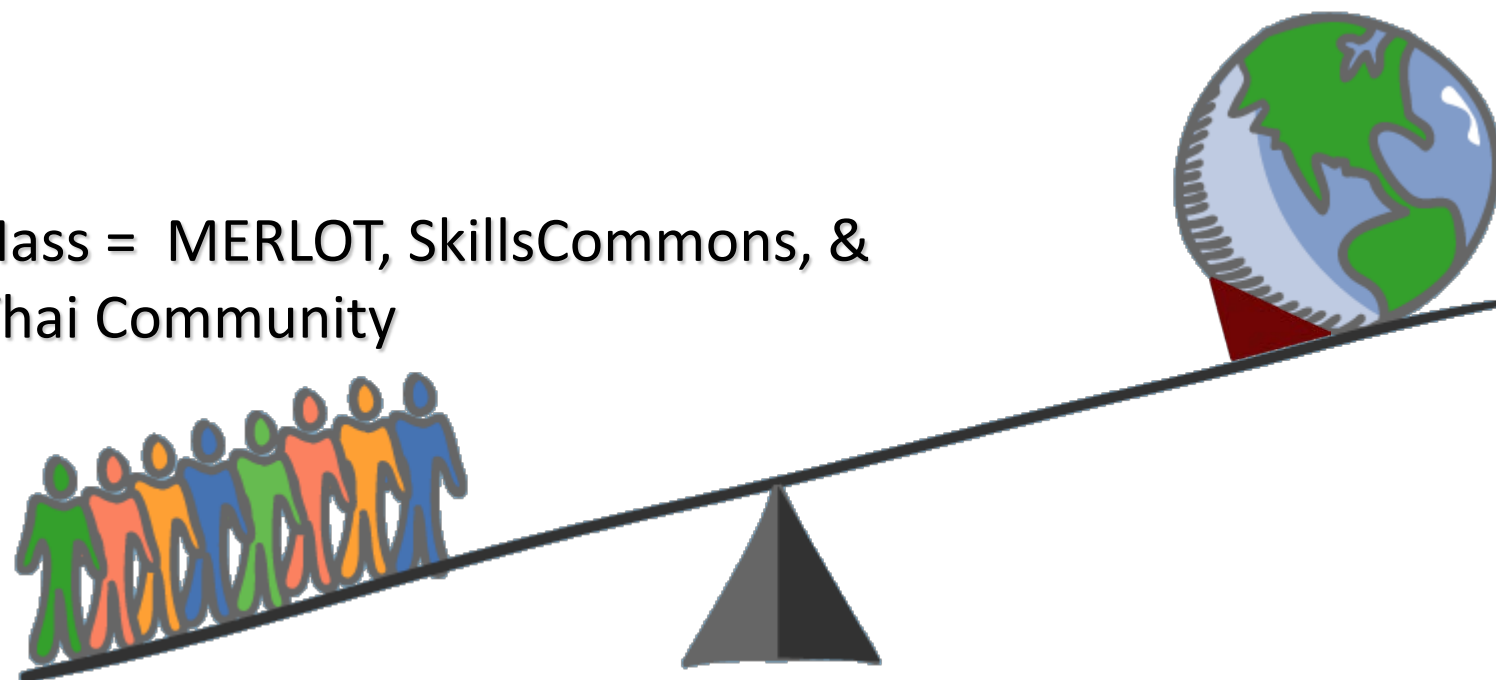
**Sometimes it feels overwhelming to
change your teaching practices...**



But **TOGETHER** we can change the world by **OPENLY SHARING** resources and expertise

Mass = Educational Innovations

Mass = MERLOT, SkillsCommons, & Thai Community



Thank You!
Questions?

Gerry Hanley

Gerry.Hanley@csulb.edu