



SkillsCommons + SoftChalk = Learning!

SkillsCommons OER Makeover Strategy with SoftChalk

Session 1: "Hidden Potential"

Rick Lumadue, PhD, Associate Director of SkillsCommons

Sue Evans, Co-Founder of SoftChalk

Gerry Hanley, PhD, Executive Director of MERLOT and SkillsCommons



Sue Evans

Co-Founder, SoftChalk

sue.evans@softchalk.com

Why are we here?

- Provide you open educational strategies and tools you can use immediately at any readiness level
- Introduce series of 4 webinars

SkillsCommons + SoftChalk = Learning! **SkillsCommons OER Makeover Strategy with SoftChalk**

- **Today: Session 1 of our 4-part webinar series: "Hidden Potential"**
- Session 2: "Design on a Dime"
- Session 3: "Love it and Embed it"
- Session 4: "Extreme Makeover"

Gerry Hanley

Executive Director of MERLOT and SkillsCommons

Retired Assistant Vice Chancellor, Academic Technology Services

California State University, Office of the Chancellor



gerry.hanley@csulb.edu

Agenda

- Affordable Learning Solutions as the institutional driver for the OER Makeover Strategy
- How to find OER for workforce training materials at SkillsCommons
- Redesigning OER with SoftChalk to makeover the OER and meet your teaching and learning requirements
- Demonstrate the ease and benefits of using SoftChalk to makeover OER



Textbook affordability affects access to education and graduation in a timely manner

Institutions need a strategy to provide students no cost and low-cost instructional materials that enable their successful learning and course completion.

Affordable Learning Solutions



Where do you find no and low-cost course materials for Career and Technical Education that faculty will adopt?



Rick Lumadue

Associate Director, SkillsCommons

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SKILLS COMMONS

An online library of 16,000+ free workforce development resources ready to be downloaded, adapted, and used



WORLD'S LARGEST OER PROJECT

While there are multiple repositories of Open Educational Resources, SkillsCommons is the world's largest OER project featuring job-driven workforce development materials, with more resources being added continually.

Designed and managed by California State University, SkillsCommons is funded through the US Department of Labor's Trade Adjustment Assistance Community College and Career Training grant program. The Open Educational Resources it

SKILLS COMMONS
open for learning

contains were developed by TAACCCT grantees.

Providers of workforce training can save time and money by using the OER on SkillsCommons, which is available under a Creative Commons license that allows anyone to use and adapt the materials.



..... MAKEOVER STRATEGIES

Materials on SkillsCommons can be customized to the needs of training providers who wish to adapt them using "Makeover" strategies. SkillsCommons' CONNECT Center provides examples and strategies for institutions, instructors, and instructional designers to transform the OER so it aligns with their goals more effectively.



Trade Adjustment Assistance Community College and Career Training (TAACCCT)

TAACCCT is an investment of

\$1.9 BILLION
AWARDED OVER 4 YEARS

impacting more than 700 (62%) of the nation's community colleges.



GOAL

Design innovative and effective programs that address specific industry needs and lead to improved learning, completion and career outcomes for TAA-eligible workers and other adults.

What is OER and why are they important?



Open educational resources (OER) are freely accessible, openly licensed documents and media that are useful for teaching, learning, and assessing as well as for research purposes.

Open Educational Resources

TAACCCT has created the world's largest OER project featuring job-driven workforce development materials.



3,000,000

materials
downloaded to date



65,000

Over 65,000 materials
available for download,
and this continues to
grow steadily every
month

SkillsCommons: Library of Free OER

Workforce Development Digital Library

FREE and OPEN Workforce Training Materials for 21st Century Employment

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

COVID-19 Response: Get FREE and OPEN Learning Materials for Hygiene | Workplace Safety | Infection Control.



Showcases

View our showcases of course material makeovers, open courseware and project outcomes.



Connect

Connect with Workforce Development communities, technology partners and career services partners.



Contribute

Upload OER and workforce development materials and visit our [Support Center](#) when you need help.

Find & Download OER

Workforce Development Digital Library

FREE and OPEN Workforce Training Materials for 21st Century Employment



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

- PROJECTS
- MATERIAL TYPE
- CREDENTIAL TYPE
- INSTITUTION
- INDUSTRY
- INDUSTRY (WHEEL)
- OCCUPATION



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



Showcases

View our showcases of course material makeovers, open courseware and project outcomes.



Connect

Connect with Workforce Development communities, technology partners and career services partners.



Contribute

Upload OER and workforce development materials and visit our [Support Center](#) when you need help.

Browsing by Industry



Explore Workforce Development

Open Educational Resources

- Developed in partnership with local industries
- Reviewed by subject matter experts
- Focused on skills businesses need today
- All FREE (yes really!) to download and reuse

[browse list view](#)

Hide Statistical Information

Total hits all time



Top downloads by material type

Material type	Overall
Syllabus	1,395,644
Presentation	1,181,871
Assignment	1,172,664
Assessment Tool	1,118,955
Quiz/Test	1,054,511
Hybrid/Blended Course	1,050,235

Top projects by item views

All Projects	Overall
Industrial Automation Manufacturing innovative Strategic Training Achieving Results (I AM iStar)	561,876
National STEM Consortium	84,034
Illinois Green Economy Network Career Pathways (IGEN)	83,587
Colorado Helps Advanced Manufacturers Program (CHAMP)	78,268
National Information, Security, and Geospatial Technology Consortium (NISGTC)	76,559
Consortium for Healthcare Education Online (CHEO)	48,115
Intentional Networks Transforming Effective and Rigorous Facilitation of Assessment, Collaboration, and Education (INTERFACE)	43,264
Innovations Moving People to Achieve	41,760

Top projects by file downloads

All Projects	Overall
Air Washington	308,602
Consortium for Healthcare Education Online (CHEO)	301,985
Massachusetts Community College and Workforce Development Transformation Agenda (MCCWDTA)	254,540
ShaleNET: Building Capacity and Career Pathways for the Oil and Gas Industry	158,046
Health Information Technology (HIT) Student Connections	150,003
Tennessee Valley Institute for Materials Joining and Training (IMJAT)	123,524
Innovations Moving People to Achieve Certified Training (IMPACT)	123,051
Missouri Healthcare Workforce Innovation Networks (MoHealthWINS)	96,856
Pathways to Allied Health Professions (PATH)	95,982

Browsing by Industry

[Home](#) > [Browse by Industry](#)

Explore SkillsCommons By Industry

- Click on a section of the wheel to get an expanded presentation of that specific industry.
- Click on the name in the pop-up box to get a list of the materials for that industry.
- An [accessible version](#) is also available.



Browsing by Industry

HOME ABOUT BROWSE ▾ CONTRIBUTE SUPPORT CONNECT SHOWCASES CONTACT LOGIN

SKILLS COMMONS
open for learning

Search

Home > Browse by Industry

Browse all of SkillsCommons

- Grant Projects
- Material Type
- Credential Type
- Institution
- Industry
- Industry (Wheel)

Statistics

- Most Popular Items
- Most Popular Material Types

Browsing by Industry

- Developmental Education (1659)
- [11] Agriculture, Forestry, Fishing and Hunting (88)
 - [11] Agriculture, Forestry, Fishing and Hunting (54)
 - [111] Crop Production (28)
 - [111] Crop Production (24)
 - [1113] Fruit and Tree Nut Farming (4)
 - [112] Animal Production and Aquaculture (6)
- [21] Mining, Quarrying, and Oil and Gas Extraction (342)
 - [21] Mining, Quarrying, and Oil and Gas Extraction (42)
 - [212] Mining (except Oil and Gas) (160)
 - [212] Mining (except Oil and Gas) (6)
 - [2121] Coal Mining (154)
 - [211] Oil and Gas Extraction (140)
 - [211] Oil and Gas Extraction (7)
 - [2111] Oil and Gas Extraction (133)
- [22] Utilities (140)
 - [22] Utilities (10)
 - [221] Utilities (130)
 - [221] Utilities (9)
 - [2211] Electric Power Generation, Transmission and Distribution (104)
 - [2213] Water, Sewage and Other Systems (17)
- [23] Construction (205)
 - [23] Construction (119)
 - [236] Construction of Buildings (39)
 - [236] Construction of Buildings (35)
 - [2361] Residential Building Construction (4)
 - [238] Specialty Trade Contractors (47)
 - [238] Specialty Trade Contractors (27)
 - [2389] Other Specialty Trade Contractors (20)

Refine Search Results

industry: "Manufacturing"

search

Advanced search

Results 1-10 of 1310

sort by: [relevance](#) | [newest first](#) | [oldest first](#)

Industry

- Manufacturing -- Miscellaneous Manufacturing (339) (334)
- Manufacturing -- Fabricated Metal Product Manufacturing (332) (135)
- Manufacturing -- Machinery Manufacturing -- Metalworking Machinery Manufacturing (3335) (108)
- Manufacturing -- Machinery Manufacturing (333) (106)
- Manufacturing -- Fabricated Metal Product Manufacturing -- Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing (3327) (94)
- Manufacturing -- Transportation Equipment Manufacturing -- Aerospace Product and Parts Manufacturing (3364) (84)
- Manufacturing -- Miscellaneous Manufacturing -- Other Miscellaneous Manufacturing (3399) (56)
- Manufacturing -- Primary Metal Manufacturing (331) (55)

MFG124 Introduction to Industrial Blueprint Reading

Assignment

Manchester Community College

First course in blueprint reading. The study of orthographic projection. Topics include lines and their uses, auxiliary views, sectional views, basic and special dimensioning practices for hole, chambers, angle, tapers, key ways diameters and radii. Also, geometric tolerancing and dimensioning is co . . .

MFG105 Mathematics for Manufacturing

Assignment

Manchester Community College

Second course in manufacturing mathematics. A further study of arithmetic and trigonometric operations applied to manufacturing circumstances. The following geometric entities are studied in detail: the circle, regular, and irregular polygons, the right triangle and oblique triangles. The applica . . .

Introduction to Manufacturing

Syllabus

Central Lakes College

This course provides a basic overview of basic manufacturing processes and career opportunities within manufacturing. Students will participate in a manufacturing simulation in which they will analyze the manufacturing process for a product and redesign the process to incorporate a teaming approach. . . .

Refine Search Results

Engineering Product Design (MN-2/1) Course Syllabus

Material Type

- Hybrid/Blended Course (305)
- Animation (225)
- Reference Material (220)
- Presentation (204)
- Syllabus (186)
- Assignment (158)
- Tutorial (153)
- Collection (145)
- Online Course (128)
- Simulation (126)
- ... View More

Credential Type

- Certificate (783)
- Associate Degree (596)
- Stacked/Laticed Credential Model (510)
- Diploma (251)
- Credential (160)
- None (102)
- Bachelors Degree (18)
- Other (17)
- ||| (4)

Institution

- Eastern Iowa Community College (124)
- Wallace State Community College - Hanceville (83)
- Wichita Area Technical College (64)
- Community College System of New Hampshire (55)
- Spokane Community College (52)

CNC Machining Program Assessment

Assessment Tool

Delaware County Community College

CNC Machining Program Assessment

NCMC Articulation Agreement

Articulation Processes and Agreement

St. Louis Community College

Articulation Agreement

Outreach: CNC Machining and Composites Manufacturing Program Fact Sheet

Recruitment and Outreach

Anne Arundel Community College

Fact sheet for CNC Machining and Composites Manufacturing Program.

Combination Electrical Circuits Powerpoint

Animation

Community College of Allegheny County

Combination Electrical Circuits Powerpoint

OTC Articulation Agreement

Articulation Processes and Agreement

St. Louis Community College

Articulation Agreement

Download the Content

Direct Current Lab Electricity - SkillsCommons Large File Makeover Example

In this lab experiment, the student will connect a simple series DC circuit then take measurements for resistance, voltage, and current with a digital multimeter (DMM) and an analog volt-ohm-milliammeter (VOM). This material was extracted from a course zip file also located in SkillsCommons to illustrate the Large File Makeover process. See the "Derivative Work from Other's Material" field below to view the original submission.

 DC Lab_Electricity_rev03.pdf (586 KB)

 DC-Lab_Electricity_rev03 (1 MB)

Did you download this item? We value your feedback, and it'll only take a minute

Date:
2014

Primary Material Type:
Tutorial

Institution:
Spokane Community College

Project Name:
Air Washington

TAACCCT Round:
1

Industry / Occupation

Industry Sector:
Manufacturing -- Computer and Electronic Product Manufacturing -- Navigational, Measuring, Electromedical, and Control Instruments Manufacturing (3345)

Occupation:
Installation, Maintenance, and Repair Occupations -- Avionics Technicians(49-2091)

Education / Instructional Information

Instructional Program:
Engineering Technologies/Technicians (15)

Browse all of SkillsCommons

- Grant 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

FAQs for Downloading

Frequently Asked Questions (FAQs)

[Home](#) > [Frequently Asked Questions \(FAQs\)](#)

[Support Center Home](#)

Downloading Material from SkillsCommons

Q: I downloaded a folder with an extension .imsc however, I am unable to view the contents. Is it possible to view the contents of this folder?

Answer: When downloading, moving, or sending many files, it can be convenient to first compress into a single file the set of many files. This single file is referred to as an archive or "zip" file. An IMS Common Cartridge is such an archive with an extension of "imsc". Many Learning Management Systems (LMS) can export and import a course's files in this format. To view the content of the "imsc" file, simply rename the file's extension to "zip". Your operating system should then offer a way to uncompress the file, by clicking on it, through a file menu, or tool such as Winzip on Windows and unzip on a Mac. Note that to import the content into an LMS, refer to the imsc file and not its expanded folder of files.

Q: I downloaded a zip folder but could not open any of the files?

Answer: A "zip" file is a compressed set of files that have been gathered into a single file for convenience. Some browsers are configured to download a zip file and expand the zip into a folder of files while other browsers leave the "zip" uncompressed. Given a zip file, uncompress the file, by clicking on it, through a file menu, or tool such as Winzip on Windows and unzip on a Mac. A zip can contain many types of files. Some files can be viewed simply by selecting them or double-clicking on them. Other files may be specific to an application that you must have installed before the file can be launched. For example, a file with the extension "doc" likely is intended for Microsoft Word and you will need that application installed before the file can be viewed.

Q: I downloaded a zip folder with a SCORM package in it, I am unable to view the contents. Is it possible to view the SCORM package?

Answer: SCORM, or Sharable Content Object Reference Model, is a specification for how a set of files are packaged and played. A SCORM file is really an archive or compressed set of files. To view the content of the SCORM file with the extension "zip", uncompress the file, by clicking on it, through a file menu, or tool such as Winzip on Windows and unzip on a Mac. If the file extension is not "zip", rename it to "zip" first. To run a SCORM file, you need a SCORM player, which is included with many Learning Management Systems (LMS). You can also run a SCORM file in a more limited way from your web browser by clicking on the launch HTML file, which might be named index.html, story_html5.html, or similar.

Does Other's OER Always Fit Your Needs?

**You Want to Improve and
Customize the OER to Meet Your
Needs?**



You may need to “Makeover” the OER

Why OERs are critical for Makeovers

Open Educational Resources (OER) in SkillsCommons licensed with the CC BY Creative Commons License

Anyone can freely:

- Reuse
- Revise
- Retain
- Redistribute
- Remix

What Changes Could You Make?

- Simplify and streamline presentation of content
- You can add interactivity
- You can upload videos
- Repackage in a quality format that's easy to use
- Share with others who don't have access to your LMS

SoftChalk: An OER Makeover Tool

- You need an easy-to-use tool to bring with OER materials and build a quality learning experience
- You need tools to change content into curriculum
- SoftChalk is that easy-to-use tool that changes content into curriculum

Examples of SoftChalk Makeovers

SKILLS COMMONS
open for learning

Note-taking Strategies for STEM Courses
SkillsCommons Free Online Course

3 of 4

Contents

- Overview
- Introduction: Note-taking Strategies for STEM Courses
- Prior-Test: Note-taking Strategies for STEM Courses
- Presentation: Note-taking Strategies for STEM Courses
- Post-Test: Note-taking Strategies for STEM Courses

Menu

- 1. Note-taking Strategies for STEM Courses
 - 1.1. Measuring Strategies for STEM Courses
 - 1.2. Learning Objectives
 - 1.3. Importance of Effective Note-taking Skills
 - 1.4. Course of Forgetting
 - 1.5. Course of Forgetting
 - 1.6. Effective Note-taking
 - 1.7. Effective Note-taking
 - 1.8. Types of Note-taking
 - 1.9. Cornell Note-taking Method
 - 1.10. Cornell Note-taking Method
 - 1.11. Cornell Note-taking Method
 - 1.12. Try It Out!
 - 1.13. Try It Out!
 - 1.14. Your Turn!
 - 1.15. Steps of Good Note-taking
 - 1.16. Your Turn!
 - 1.17. Summary
 - 1.18. Review the Lesson

Note-taking Strategies for STEM Courses

SKILLS COMMONS
open for learning

Contents

- Overview
- Introduction
- Simulation and Lab Activity


Introduction to Electrical Circuit Simulation
SkillsCommons Free Online Course

2 of 2

Simulation

Experiment with an electronics kit. Build circuits with batteries, resistors, light bulbs, fuses, and switches. Determine if everyday objects are conductors or insulators, and take measurements with an ammeter and voltmeter. View the circuit as a schematic diagram, or switch to a 3D view.

Circuit Construction Kit: DC



Intro **Lab**

PHET

Lab Activity

This laboratory activity will introduce the student to use of the Circuit Construction Interactive Simulation tool that will be utilized to further investigate.


[Click here to download a copy of the Lab Activity.](#)

Introduction to Circuit Construction Simulation

ACTIVITY:

The Circuit Construction Simulation is an interactive kit in your virtual lab. Students will apply this program to build circuits with resistors, light bulbs, batteries, and switches. They will compare to with the analog circuit and will view the circuit as a schematic diagram or switch to a 3D view. Students will view the program in 3D view to build the circuit, then switch from schematic drawing, photo-realistic to see the components and laboratory in circuit. Circuit laws can be verified, resistor color code and power dissipation, and dependence for measurement of current, voltage.

- When a student first opens the program they will see a check screen (Figure 1). A path selection box is shown. There are two paths to the circuit set-up, you will be utilizing one of these to what you used for using the circuit as a 3D model. The other path of choice between circuit board and the simulation is that the simulation is not operational, but you have advantages that one can be used in 3D and converted to a schematic diagram.



SKILLS COMMONS
open for learning

College Skills: Module 1
SkillsCommons Free Online Course

1 of 17 Score: 0 of 270

Module 1: College Experience

Contents

- Module 1: College Experience
- Objectives
- Lesson 1: Campus Resources
 - Textbook Reading: "What is College, Really?"
 - Lesson 1: Reinforcement
 - Activity: Scavenger Hunt
- Lesson 2: Communication and College
 - Presentation: Communication Skills for Online Learning
 - Textbook Reading: "Communicating with Instructors"
 - Lesson 2: Reinforcement
 - Activity: Instructor and Classmate Communication
- Lesson 3: College Major Exploration
 - Presentation: Educational Planning
 - Textbook Reading: "Who Are You, Really?"
 - Notes: "I realized it was OK to change my major"
 - College Major Quiz
 - Lesson 3: Reinforcement
 - Activity: Determining a Major

Objectives

Students will be able to:

- Identify campus resources and support services and explain the function of each.
- Appropriately use all forms of communication with faculty, staff and other students.
- Explore potential college majors and apply choices to choosing a college curriculum.

Orientation Questions

- What campus resources and support services are available and what services do each provide?
- What are the forms of communication available on campus and when are they used?
- How can college majors and the appropriate college curriculum be determined and how do your values affect your choices.

Next

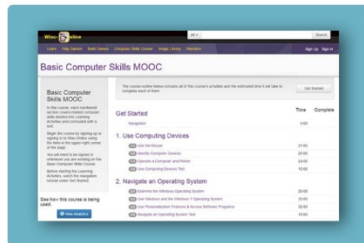
Makeover Showcases

Revise, Reuse and Makeover OER

Home > Revise, Reuse and Makeover OER

The CC BY Creative Commons license on SkillsCommons materials provides opportunities for others to makeover, revise and/or reuse the materials in a variety of ways to create "derivative works" that could better serve the needs of different learners in different contexts with different technologies.

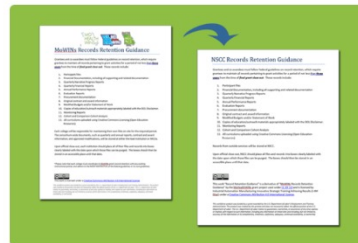
Reuse "as is" OER



Reuse "as is" = no modifications were made to the original material(s). Materials accessed/downloaded from SkillsCommons and used "as is."

[View Reuse Showcase](#)

Revise and Reuse OER



Revise and Reuse = Edits to the content, branding, scope, and sequence applied, while keeping authoring technology of the original material(s)

[View Revise & Reuse Showcase](#)

Makeover OER



Makeover = Innovative technologies applied to original material(s) transforming them into more usable, UDL, and effective resources(s).

[View Makeover Showcase](#)

Ready to Revise, Reuse or Makeover?

Guides and Use Cases for Reuse

FORMS OF REUSE AND DERIVATIVE WORKS: UNDERSTANDING THE POWER OF THE CC BY LICENSE Listen

This user guide provides a wide range of illustrations of reuse and derivative works that can help you realize the reusable value of your materials.

Content: “Before”

Note-taking Strategies for STEM Courses

Simms, Kristy

In this booster, we will discuss note-taking strategies for STEM Courses. These files are SCORM packages and can be easily uploaded to your Learning Management System (LMS), such as Blackboard or Desire2Learn. If you want to view or use the files without an LMS, download the files to your computer, extract (unzip) the file, open the extracted folder, and click to open the story.html file. The booster or test will open in your browser window. If used on your LMS, for the booster, the user will be given a score of complete or incomplete; for the pre and post-tests, the user will be given a numerical score. This scoring functionality and completion data is only available if used on an LMS. The SCORM packages are complete and not available for editing. If you would like to include additional information, consider adding the content before or after the booster on your LMS.

- Note Taking Strategies for STEM Test Booster (9 MB)
 - Note Taking Strategies for STEM Test Pretest (1 MB)
 - Note Taking Strategies for STEM Test Posttest (1 MB)
- Connecticut Health and Life Sciences Career Initiative (HL-SCI) Booster Development Process (278 KB)

Did you download this item? We value your feedback, and it'll only take a minute

Additional Public Access To Materials:

<https://www.softchalkcloud.com/lesson/serve/AUdpsVgCXEF2SP/html>
<https://moodle.skillscommons.org/course/view.php?id=144>

Date:
2016

Primary Material Type:
Online Course Module

Other Material Types:
Tutorial

Institution:
Norwalk Community College

TAACCCT Round:
2

Subjects:
Note-taking, STEM, Courses, Notes, Skills, Cornell Note-taking Method, Recall, Retain, Curve of Forgetting, Organized Note-taking, Interactive Note-taking, Reading, Writing, Discussing, Solving Problems, Metacognition, Header, Cue Column, Note-taking area, Footer, The 5 R's - Record, Reduce, Recite, Reflect, Review, Note interacting, Note reflecting, Feedback, Stages of Note-taking

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

Content: “Before” and “After”

Today

- Notetaking...rsesPretest >
- lms >
- mobile >
- story_content >
- 2016
 - adlcp_rootv1p2.xsd
 - ims_xml.xsd
 - imscp_rootv1p1p2.xsd
 - imsmanifest.xml
 - imsmd_rootv1p2p1.xsd
 - index_ims_html5.html
 - index_ims.html
 - meta.xml
 - story_html5.html**
 - story_unsupported.html
 - story.html

story_html5.html
HTML document - 5 KB

Information

More...

Note-taking Strategies for STEM Courses Pre-Test

What are the stages of good note-taking?
Select all that apply.

- Note-taking
- Note reflecting
- Note interacting
- Note making

Question 1 of 5. Click on the answer, then choose *Submit*.

SUBMIT

Content: "After"

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Note-taking Strategies for STEM Courses
SkillsCommons Free Online Course

2 of 4

Contents

- Overview
- Introduction: Note-taking Strategies for STEM Courses
- Pre-Test: Note-taking Strategies for STEM Courses**
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Note-taking Strategies for STEM Courses Pre-Test

What are the stages of good note-taking?
Select all that apply.

Note interacting

Note making

Note reflecting

Note-taking

Question 1 of 5. Click on the answer, then choose Submit.

SUBMIT

Previous | Next

SKILLS COMMONS
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Note-taking Strategies for STEM Courses
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3 of 4

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- Presentation: Note-taking Strategies for STEM Courses**
- Post-Test: Note-taking Strategies for STEM Courses

Presentation: Note-taking Strategies for STEM Courses

Note-taking Strategies for STEM Courses

Developed by the Connecticut Health & Life Sciences Career Initiative

Contributor: Kristy A. Simms, Ph.D., M.P.H., CPH
Norwalk Community College

This product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantee, warranty, or assurance of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability or ownership.

Previous | Next

Content: “Before”

Introduction to Electrical Circuit Simulation

Interactive lab activity about electrical circuits.

 Introduction to Electrical Circuit Simulation - NECC.pdf (1 MB)

 Introduction to Electrical Circuit Simulation - NECC.docx (1 MB)

Did you download this item? We value your feedback, and it'll only take a minute

Additional Public Access To Materials:

<https://phet.colorado.edu/en/simulation/circuit-construction-kit-dc>

Date:
2013

Primary Material Type:
Simulation

Institution:
Northeast State Community College

Subjects:
interactive, lab, simulation, electrical circuit

Industry / Occupation

Industry Sector:
Manufacturing -- Miscellaneous Manufacturing (339)

Occupation:
Production Occupations (51-0000)

Education / Instructional Information

Instructional Program:
Precision Production (48)

Credit Type:
• Credit

Credential Type:
• Diploma

Educational Level of Materials:
• 2nd Year Community College or equivalent

Browse all of SkillsCommons

- Projects
- Material Type
- Credential Type
- Institution
- Industry
- Industry (Wheel)

Browse this Collection

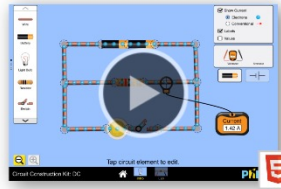
- Material Type
- Credential Type
- Institution
- Industry
- Industry (Wheel)

Statistics

- Most Popular Items
- Most Popular Material Types

Content: “Before”

Circuit Construction Kit: DC



- Series Circuit
- Parallel Circuit
- Ohm's Law

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Embedded Presentation with Activity: “After”

SKILLS COMMONS
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Introduction to Electrical Circuit Simulation
SkillsCommons Free Online Course

< 2 of 2

Contents
Overview
Introduction
Simulation and Lab Activity

Simulation

Experiment with an electronics kit! Build circuits with batteries, resistors, light bulbs, fuses, and switches. Determine if everyday objects are conductors or insulators, and take measurements with an ammeter and voltmeter. View the circuit as a schematic diagram, or switch to a lifelike view.



Circuit Construction Kit: DC

Intro Lab

PHET

Lab Activity

This laboratory activity will introduce the student to use of the Circuit Construction Interactive Simulation tool that will be utilized to further investigate electrical concepts and circuits.

[Click here to download a copy of the Lab Activity](#)

Introduction to Circuit Construction Simulation

ACTIVITY:

The Circuit Construction Simulation is an electronics kit in your computer! Students will utilize this program to build circuits with resistors, light bulbs, batteries, and switches. Take measurements with the realistic ammeter and voltmeter. View the circuit as a schematic diagram, or switch to a life-like view. Students will also use the program to discuss basic electricity relationships, build circuits from schematic drawings, provide reasoning to explain the measurements and relationships in circuits, discuss basic electricity relationships in series and parallel circuits, and determine the resistance of common objects.

1. When a student first opens the program they will see a blank screen (Figure 1-1) with options on the side. These options are the tools that you will be utilizing are similar to what you would be using if testing circuits on a circuit board. The primary difference between a circuit board and the simulation is that the simulation is two dimensional, but also has advantages in that one can see electron flow and can control a number of variables instantly.



Content: “Before”

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

 [Course Outlines, Content, Interactive Resources, Assessments, SME Review Info \(24 MB\)](#)

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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)

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






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






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Content: “Before”

Name
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▶  Deliverable D - Revisions
▶  Module 1
▶  Module 2
▶  Module 3
▶  Module 4
▶  Module 5
▶  Module 6
▶  SME Review COL 103

Name
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 Assignment 2 Module 1.docx
 Assignment 3 Module 1.docx
 COL 103 Scavenger Hunt.docx
 Discussion 1 Module 1.docx
 Discussion 2 Module 1.docx
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Content: "After"

SKILLS COMMONS open for learning

College Skills: Module 1
SkillsCommons Free Online Course


Score: 0 of 270

1 of 17

Contents

- Overview
- Module 1: College Experience
- Module 1: College Experience
- Objectives
- Lesson 1: Campus Resources
- Textbook Reading: "What Is College, Really?"
- Lesson 1: Reinforcement
- Activity: Scavenger Hunt
- Lesson 2: Communication and College
- Presentation: Communication Skills for Online Learning
- Textbook Reading: "Communicating with Instructors"
- Lesson 2: Reinforcement
- Activity: Instructor and Classroom Communication
- Lesson 3: College Major Exploration
- Presentation: Educational Planning
- Textbook Reading: "Who Are You, Really?"
- Video: "I realized it was OK to change my major"
- College Major Quiz
- Lesson 3: Reinforcement
- Activity: Determining a Major

Module 1: College Experience



Objectives

Students will be able to:

- Identify campus resources
- Appropriately use all resources
- Explore potential college majors

Orienting Questions

- What campus resources are available?
- What are the forms of communication available?
- How can college major exploration be done?

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College Skills: Module 1
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Lesson 1: Campus Resources

Read the Introduction and Section 1.1 - 1.12 below.

SKILLS COMMONS COLLEGE SKILLS

Open Textbook Lesson 1: Campus Resources

INTRODUCTION

Table 1.1: You and Your College Experience is intended to introduce you to important information about your college that you will need as you enter. The module should answer questions such as:

- Where do I go to find a class?
- How can I get some extra help with math?
- What resources are available to help me pay for college?
- What do I go to do about it?
- What time is the library open? What library services are available there?
- Where do I go to help to get into computer network?

Figure 1: Orientation (By author: COLLEGE-SKILLS)

Also in this module, you will discuss the importance of clear and appropriate communication with faculty members, staff, and administrative personnel as well as your fellow students. These skills will be especially important to you in your college years, but also in your everyday lives and in the future.

You will also explore potential college majors. During this exploration, you will focus on how your personal values impact your choice of college majors and your career path. Finally, you will learn how to choose your major.

1.1. KNOWING YOUR COLLEGE

To be successful in life you need to be fully informed and make wise decisions. College is no different. You need to be able to learn throughout your college career and sometimes you may need assistance to gather the information you need to make a good decision. This is why it is important for you to be familiar with the resources and support services available to you in your college experience. Your college will have various resources that they need you to be successful so search out the information you need.

Figure 2: Getting Information

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College Skills: Module 1
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Presentation: Communication Skills for Online Learning

Click the image below to view the presentation.



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College Skills: Module 1
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Score: 0 of 270

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Lesson 1: Reinforcement

Complete the 9 Multiple Choice Questions below.

Value: 10

Most colleges have additional individualized assistance with courses, writing, etc. available through an area such as the

- Student Support Services
- Computer Lab
- Career/Workforce Readiness Center
- Students Services Office

Click Answer

Value: 10

The main campus resources include which of the following?

- Student Support Services
- College Catalog
- College Website
- Library
- Bookstore

Click Answer

Value: 10

This area usually has job opportunity information and information or workplace skills training

- Counseling
- Academic Advising
- Business Office
- Career Guidance

Click Answer


Support Center Resources

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Open Attribution Builder

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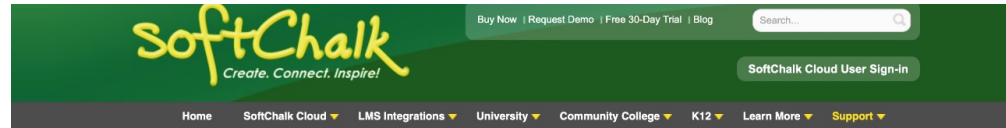
The background of the slide is a blue-tinted photograph of a classroom. In the foreground, several students are seen from behind, sitting at desks. In the background, a teacher is standing and presenting to the class. A laptop is visible on a desk in the background.

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Getting started with SoftChalk

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User Guides

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- [Student Guide to SoftChalk Lessons](#) – Guidelines and tips for students using SoftChalk lessons.
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LMS Integration Guides

The LMS integration guides below give step-by-step instructions for adding SoftChalk Cloud lesson hyperlinks and LTI links into your LMS. By using LTI links, you can capture student scores into your LMS gradebook.

These guides also include a section for LMS administrators to enable the LTI feature to work with SoftChalk Cloud LTI links.

REQUEST A LIVE
SOFTCHALK DEMO

Integrations

Using a different LMS?
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From Our Clients

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