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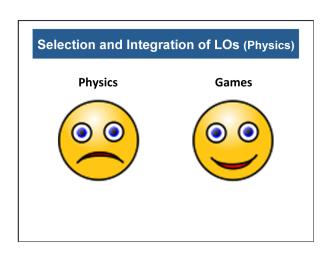
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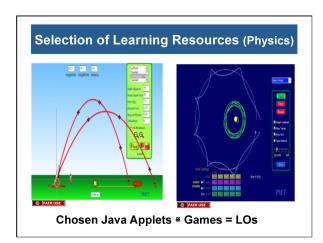
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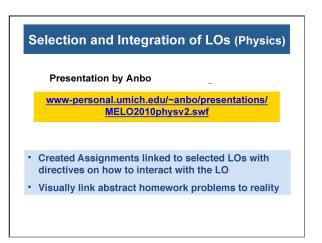


Learning Resources • Learning Resources Any web-based teaching tool (e.g., tutorial, collection,) • Learning Objects (LOs) Interactive web resources that lead students to learning goals via informed pedagogy

Selection and Integration of LOs LO course collection Selection based on course needs and goals Provided within syllabus or on website LOs tagged for course integration Choice based on needs vs type of LO Choice focused on LOs that address difficult concepts or skills







Helpful Hints

- Use "Pause" feature often to reduce extra takes!
- · Adjust screen resolutions to provide a "whole screen view" in a smaller video size.
- A headset/microphone combination is a worthwhile investment.
- · Use the cursor locate feature to help viewers follow the cursor.

How might you SHARE your Video Wrapper?

Sitemaker

- · Free to UM faculty, staff, grad students
- · Allows you to manage access
- · Allows easy integration of text, pictures, and video in a cleanly designed page.

Screencast.com (Jing)

· Jing uploads for you and you just send the link or post on Ctools site

Direct Email the Video File

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Time to Make Your Own Video Wrapper

Pick ONE:

- · Create a Wrapper for another LO in your collection
- · Create a Wrapper to show how to do some steps or task at the umich.edu website (e.g. how to find your UM directory entry)
- · Create a Wrapper to show your students how to do some task on your Ctools site (get to iTunes U)
- · Create a 'card/message' in Word/ppt, wrap it with an audio message and send to ... mom, friend, yourself

Create Your Own Learning Resource

· MERLOT's Content Builder is free and is an easy-to-use web-authoring tool to create Open Educational Resources.

http://www.merlot.org/merlot/viewMaterial.htm?id=532449

· Can be used to create different types of websites for different user purposes:

> Teaching e-Portfolio, Lesson Plans, Online Courses, Tutorials, ...



Homework Assignment

- · Find three discipline LOs and present and critique one of the LOs using MERLOT evaluation criteria (content, ease of use, teaching and learning effectiveness)
- · Contact your MELO faculty supervisor or workshop leaders for more information!

Brenda

Nancy Lynne

Thank You to ...

UM Faculty

Nancy Kerner Brian Malley Christine Modey

Brenda Gunderson Gus Evrard Karen Rhea

UM Graduate Students

Dave Childers Joel Vaughan Anho Chen Kira Gallagher Damian Khan Tom Brown

Kevin Hartman Ben Gunsberg Porscha McRobbie Jessica Pinev Noah Gardner Adena Rottenstein

Jay Holden Jeff Meyer Alicia Hofelich Michelle Lee Tanva Breault Tim Green

UM Consultants

Victor Wong

Chase Masters

Lynne Crandall

Video LO Tutorials (Writing and Math)

Writing presentation by Ben Gunsberg

screencast.com/t/MTE1MGI4MTgt

Mathematics presentation by Michelle Lee mishlie@umich.edu

screencast.com/t/Y2FiNzUxOWIt

Select one to watch and listen (using your headphones), then share with your neighbor ...

Process of Making YOUR HOUSE

- Find the LO
- Evaluate it, anything to fix/change, how do you want to make it YOURS?
- Primary fix = video (to explain, show, guide)
- What other components needed?
 - The roof = objectives
 - O The basement = assessment/assignment

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Some Screen Capture Background







Get free version of Jing from jingproject.com

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Jing

Advantages:

- Free and Easy to Use
- Captured Shots or Videos can be saved or automatically uploaded
- Formats great for the web

| Some makenty over the web, IM, email.

Disadvantages:

- Maximum Video Length: 5 minutes
- · Can annotate Screen Shot, but no video editing
- · Videos are branded
- Video format not always what one would want

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Using Jing

Instructions for Use:

- 1. Choose "Capture" from the Jing Sun.
- 2. Select the window of area you wish to record.
- 3. Select Screenshot or Video. Record.
- 4. Preview it.
- 5. Save it locally, or upload it to Screencast.net.

Show a little Jing now!

© FAIR USE

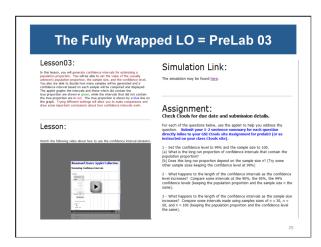
Using Jing

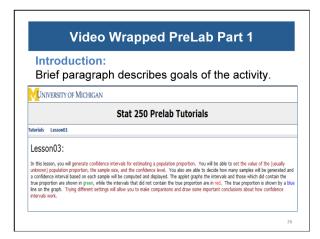
History:

Convenient location to:

- view

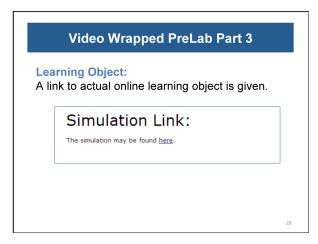
- share
- delete recent Jings.





Video Wrapper:
A narrated screen capture video demonstrates the use of the learning object.

Video Wrapper:
A narrated screen capture video demonstrates the use of the learning object.



Assignment:
Students complete a short assignment using the Learning Object.

Students complete a short assignment using the Learning Object.

Students complete a short assignment using the Learning Object.

Students of the questions below, use the applet to help you address the question. Submit your 1-2 sentence summary for each question develop inhere to your Colcobs the Asony ment for probable.

1 - Set the confidence level to 99% and the 32 between the proportion of confidence level at both confidence and submit of probable.

2 - What happens to the length of the confidence and summary for the same).

3 - What happens to the length of the confidence intervals at the sample size increase? Compare some intervals at the 90% years average was confidence levels (keeping the population proportion and the confidence level the same).



Advantages of LO?

- Addresses fundamental concept.
- Provides excellent visual demonstration.
- User can adjust controls.

Disadvantages of LO?

- Learning Objectives?
- Directions?
- Terminology/Notation unknown to our students

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Initial Assessment of LO

- The "Simulating Confidence Intervals" LO has the potential to enhance students' understanding of an important concept.
- However, the *imperfections* make the LO unsuitable as a standalone resource.

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A Solution

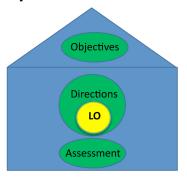
- "Package" the LO within the framework of a larger, instructor created lesson.
- Instructor guidance using can alleviate the problems caused by LO imperfections.

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Instead of:



My students will see:



Why a video screen capture?

- The video wrapper allowed the instructor to:
 - Introduce the LO
 - State the learning objectives
 - Explain inconsistency in notation
 - How it works
- After watching the video, students can use the LO independently.

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Unique LO Collection Building (Psychology)

An Innovative End of Term Assignment

- · Intro Psych students pick own "muddiest point"
- Student = para-peer reviewer found, reviewed, recommended LO to address muddlest point
- Students submitted mini-review of LO and recommendation for why and how to implement in course

Unique LO Collection Building (Psychology)

Students recommended many quality LOs previously overlooked or undiscovered

Examples

Pavlov's Dog- A classical conditioning simulation Cataloged in: Science&Technology/Biology/Zoology

Mouse Party- A simulation for examining the effect of common illicit drugs at the synaptic level Cataloged in:

Science&Technology/Chemistry/Biochemistry

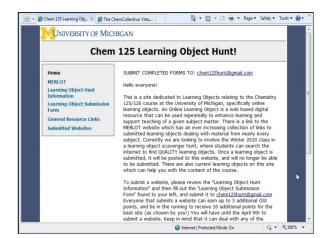


Unique LO Collection Building (Chemistry)

Presentation by Kevin Hartman,

screencast.com/t/MTE1MGI4MTgt

- "LO Scavenger Hunt" to find "best course LO"
- Student submits mini-review and recommendation for why and how to integrate LO in course
- Points awarded based on review, quality of LO, recommendation specifics, and peer feedback



Overall Outcome: The Big Idea

Move from a model where students are not only engaged learners but also co-teachers.

(Potentially Useful) LO in Statistics

- Simulating Confidence Intervals
- Authors: Beth Chance, Allan Rossman (CP)



http://www.rossmanchance.com/applets/Confsim/Confsim.html

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Interdisciplinary LO Collection

Undergraduate students have different levels of academic training



 Success in undergraduate education demands a solid foundation in a variety of basic academic skills

Examples:

Writing skills
Working in Groups
Presentation skills
Study skills

How can we work towards leveling the playing field?

Integrating LOs (Psychology) and Creation of an Interdisciplinary Collection

Presentation by Adena Rottenstein

http://www.screencast.com/t/ODc1OTU3

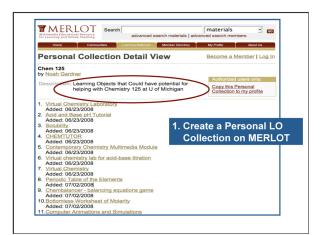
- Unique course specific listings of LO collections
- · LOs are video clips with relevant assignments
- · Interdisciplinary collection details

MERLOT

- LO resource collection in MERLOT growing exponentially
- · Useful LO evaluation criteria



- Ability to submit LOs and create personal LO collections
- Power of affiliation with a global teaching and learning community



Creation of an LO collection

- Time to create your own personal collection!
- See Assignment 1 on page 3 of your workshop handout

http://www.merlot.org

