Georgia Southern University

Digital Commons@Georgia Southern

Georgia International Conference on Information Literacy

Sep 30th, 8:30 AM - 9:45 AM

Collaborating for Success! Building a Digital Learning Object Repository

Shannon L. Dew
Florida State College at Jacksonville, shannon.dew@fscj.edu

Barbara Markham
Florida State College at Jacksonville, barbara.markham@fscj.edu

Sharon Uskokovich
Florida State College at Jacksonville, s.uskokovich@fscj.edu

Ronald L. Carr, Ph. D.
Florida State College at Jacksonville, ron.carr@fscj.edu

Follow this and additional works at: https://digitalcommons.georgiasouthern.edu/gaintlit

Part of the Curriculum and Instruction Commons, and the Information Literacy Commons

Recommended Citation

Dew, Shannon L.; Markham, Barbara; Uskokovich, Sharon; and Carr,, Ronald L. Ph. D., "Collaborating for Success! Building a Digital Learning Object Repository" (2016). *Georgia International Conference on Information Literacy*. 22.
https://digitalcommons.georgiasouthern.edu/gaintlit/2016/2016/22

This presentation (open access) is brought to you for free and open access by the Conferences & Events at Digital Commons@Georgia Southern. It has been accepted for inclusion in Georgia International Conference on Information Literacy by an authorized administrator of Digital Commons@Georgia Southern. For more information, please contact digitalcommons@georgiasouthern.edu.

COLLABORATING FOR SUCCESS!

Building a Learning Object Repository

FLORIDA STATE COLLEGE AT JACKSONVILLE™

Presenters

Dr. Ronald L Carr, e-Learning Instructional Designer

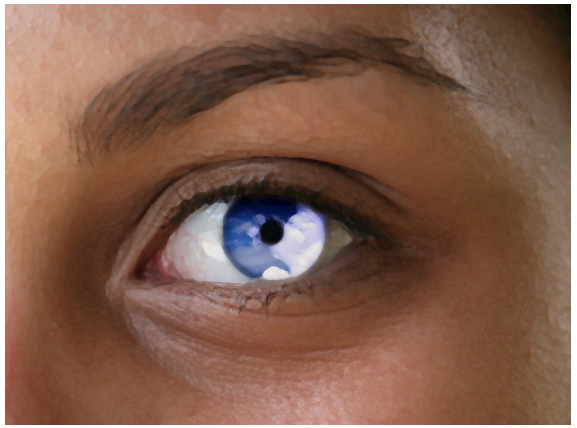
Shannon Dew, Director of Online Library Services

Barbara Markham, Faculty Librarian

Sharon Uskokovich, Faculty Librarian

Agenda

- Introduction
- Background of Project
- Collaboration Between the Center for e-Learning and the Library
- Learning Objects
- Learning Object Repository
- Next Steps



Florida State College at Jacksonville

About FSCJ Libraries

- 4 campuses and 3 centers
- 7 libraries and 6 full-time librarians
- College and State University Consortium
- Shared ILS and Discovery Tool
- 180+ Research Databases
- Print collection holdings: 152,668
- Media collection holdings: 15,664
- Electronic book holdings: 35,937
- Libguides: 130

Library Partnership

Learning Objects at FSCJ

- 200+ courses with over 2000 learning objects
- Work with a team
- Subject Matter Experts
- Reliable resources for faculty and students

Library Partnership

Why Librarians?

- Point-of-contact for faculty
- Skilled professionals
- Library science cataloging principles
- Organization of information

Library Partnership

Why Blackboard Open Content?

- FSCJ already owns through LMS
- Ability to upload learning objects with metadata and tagging
- Easily adds content to Blackboard courses
- Contains educational content from other institutions and organizations
- Can be “open” to all users or just for FSCJ

Learning Objects in the Instructional Design Process

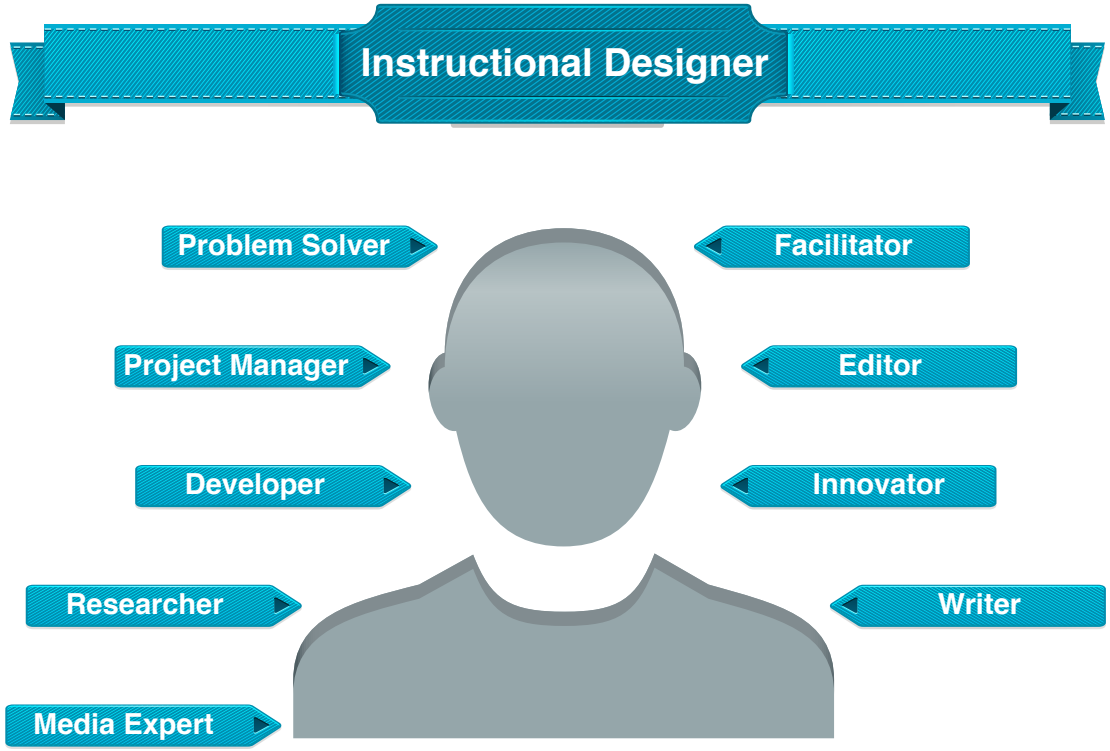
FSCJ Online
Center for eLearning

It's a Partnership

- Instructional Designers
- Faculty members are Subject Matter Experts (SMEs)
- Multimedia Designers
- Web Developers
- Librarians

Instructional Designer (ID)

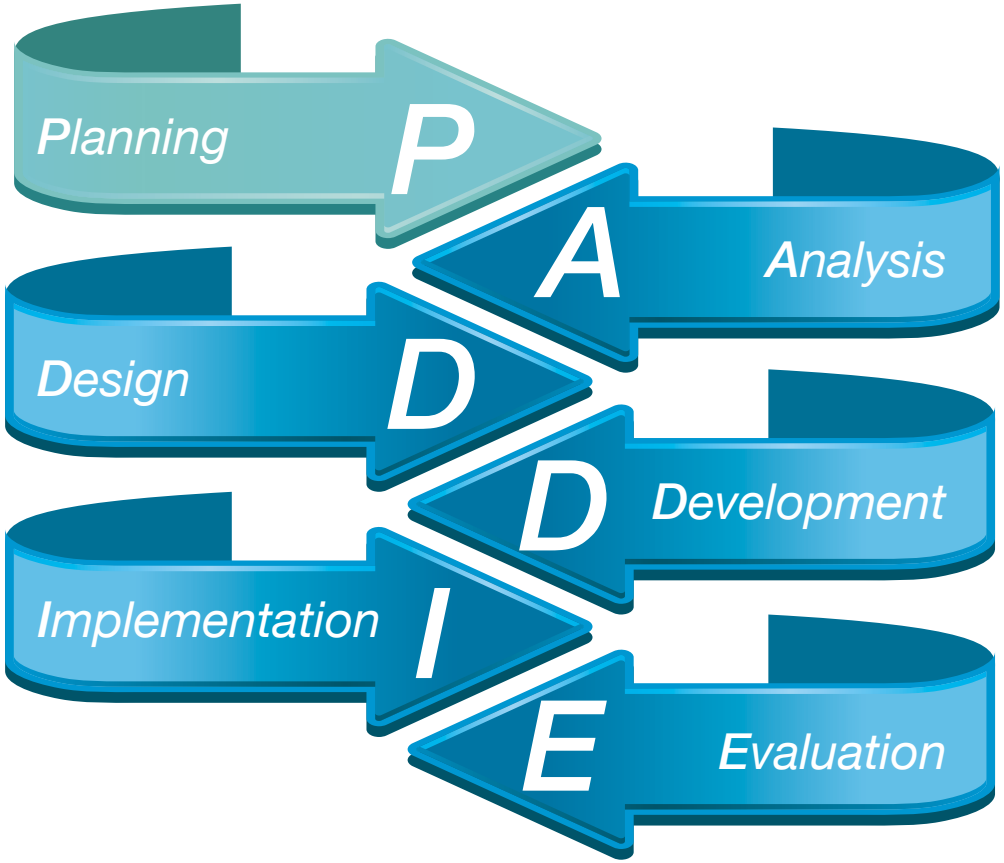
- Project Manager
- Scheduler
- Proofreader and Editor
- Alpha and Beta Tester



Overall CeL Process

Best Practices

- **Planning** – initial meeting(s) and project planning.
- **Analysis** – goal setting, content analysis, & assessments.
- **Design** – calendar of activities and course syllabus.
- **Development** – introduction & objectives, lecture content, & course building.
- **Implementation** – instructor materials.
- **Evaluation** – formative & summative evaluation, mid-point and final course review.



CeL Course Advantages

ADA compliant

- Follows Accessibility Standards for 504 and 508 (ADA Compliant)
- Videos are captioned and transcribed.

Cross-platform

- Works across any browser on any platform

Copyright Compliant

- Meets copyright restrictions

Learning Outcomes

- Meets college prescribed Student Learning Outcomes (SLOs)

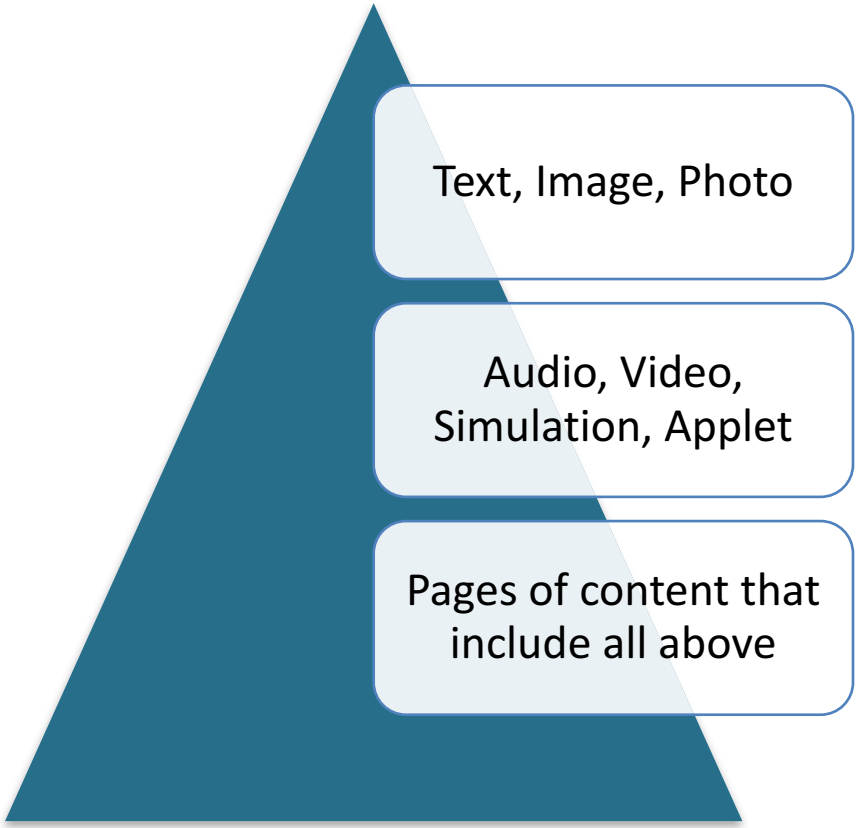
Visually Engaging

- Custom graphics showcases content

Usability

- Consistent and user-friendly navigation across all courses

Learning Object (LO)



Characteristics of LOs

- Learning objective-based content or activity
- Succinct
- Metatagged for shareability
- Independent to be available as-needed

Learning Object (LO)

In general, learning objects:
Are **self-contained** – each learning object can be consumed independently

Are **reusable** – a single learning object may potentially be used in multiple contexts for multiple purposes

Can be **aggregated** – learning objects can be grouped into larger collections, allowing for their inclusion within a traditional course structure

Are **tagged with metadata** – every learning object has descriptive information allowing it to be easily found by a search -- which facilitates the object being used by others.

Learning Object (LO)

Learning objects allow for learning that is:

Just enough – if you need only part of a course, you can use the learning objects you need

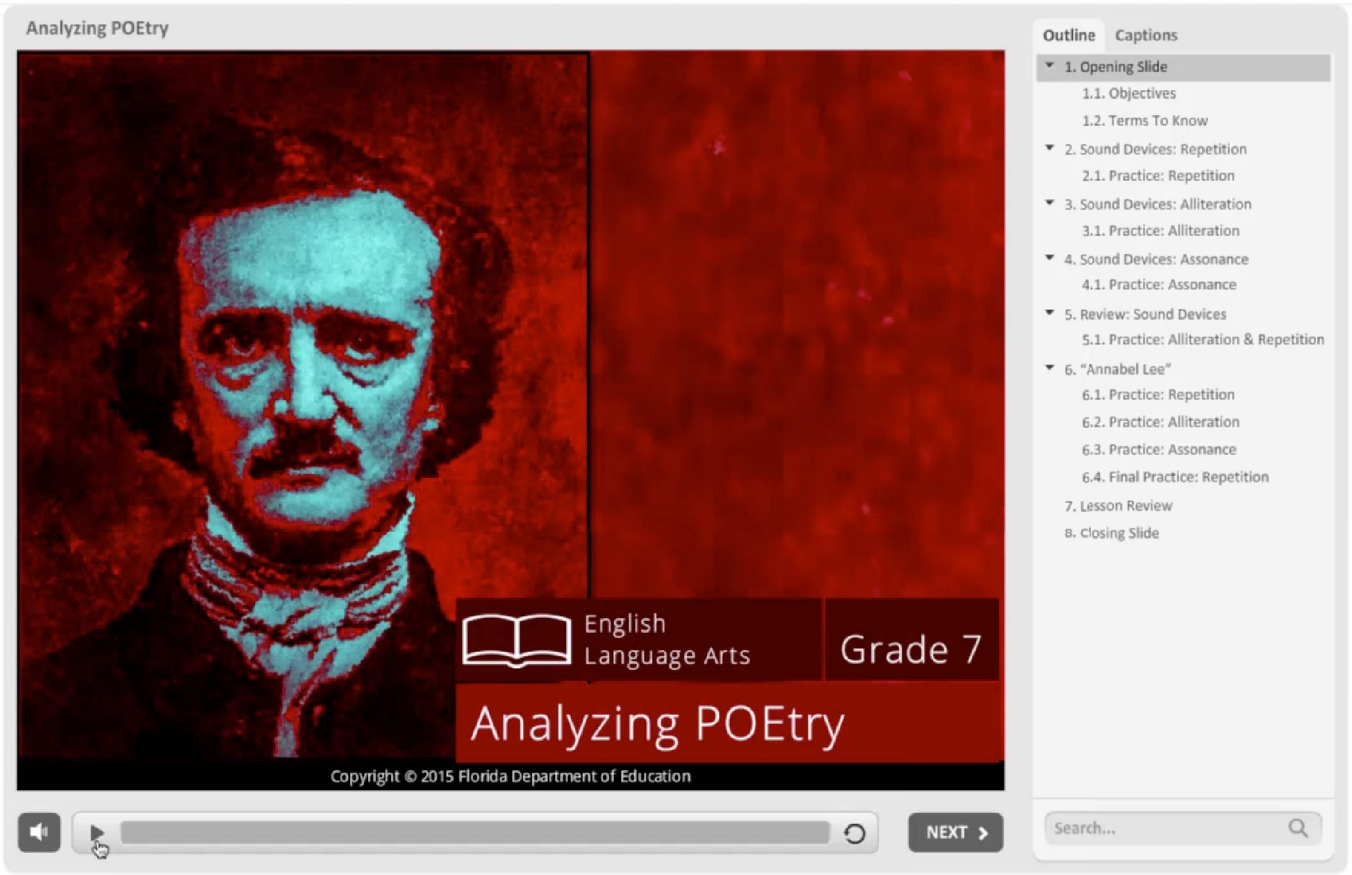
Just in time – learning objects are searchable, you can instantly find and take the content you need

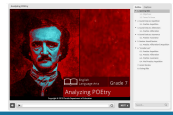
Just for you – learning objects allow for easy customization of courses

Example of Learning Object (LO)

Interactive Tutorial – FloridaStudents.Org

Florida State University – Learning Systems Institute



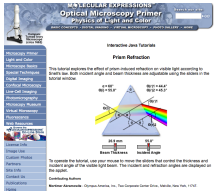


http://www.floridastudents.org/PreviewResource/StudentResource/121844

Example of Learning Object (LO)

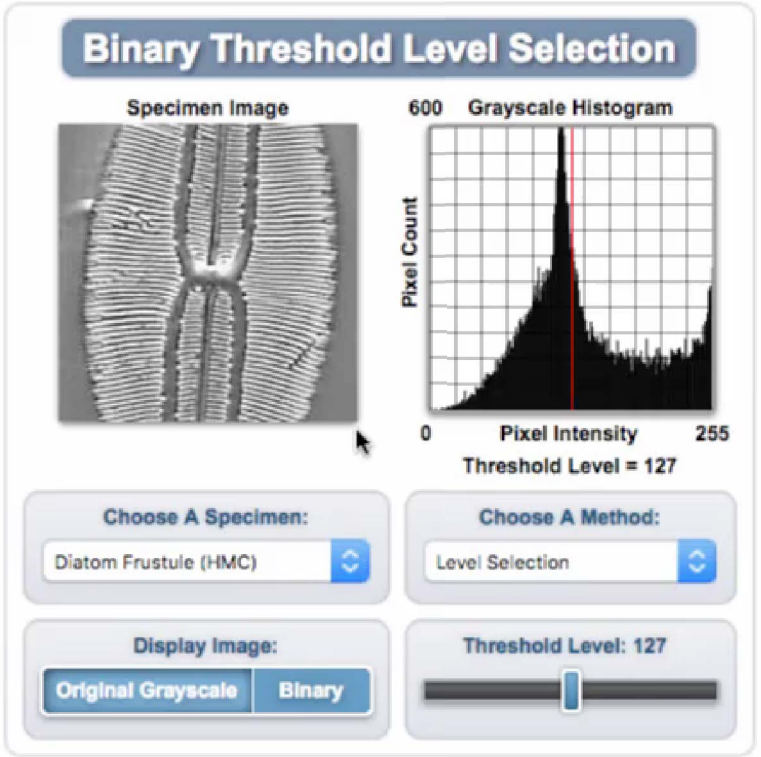
Simulation– Binary Threshold Level Selection

Florida State University – National High Magnetic Laboratory



Binary Threshold Level Selection

When creating a binary image having only two intensity levels (black and white) from an original grayscale digital image that has 256 possible intensity values (for an 8-bit image), a **binary threshold level** must be chosen to designate the intensity level at which binary segregation occurs. This interactive tutorial explores the use of various algorithms utilized in the methodology for choosing a single binary threshold level. The more general case of **multiple threshold level selection** is discussed in the Binary Slicing tutorial.

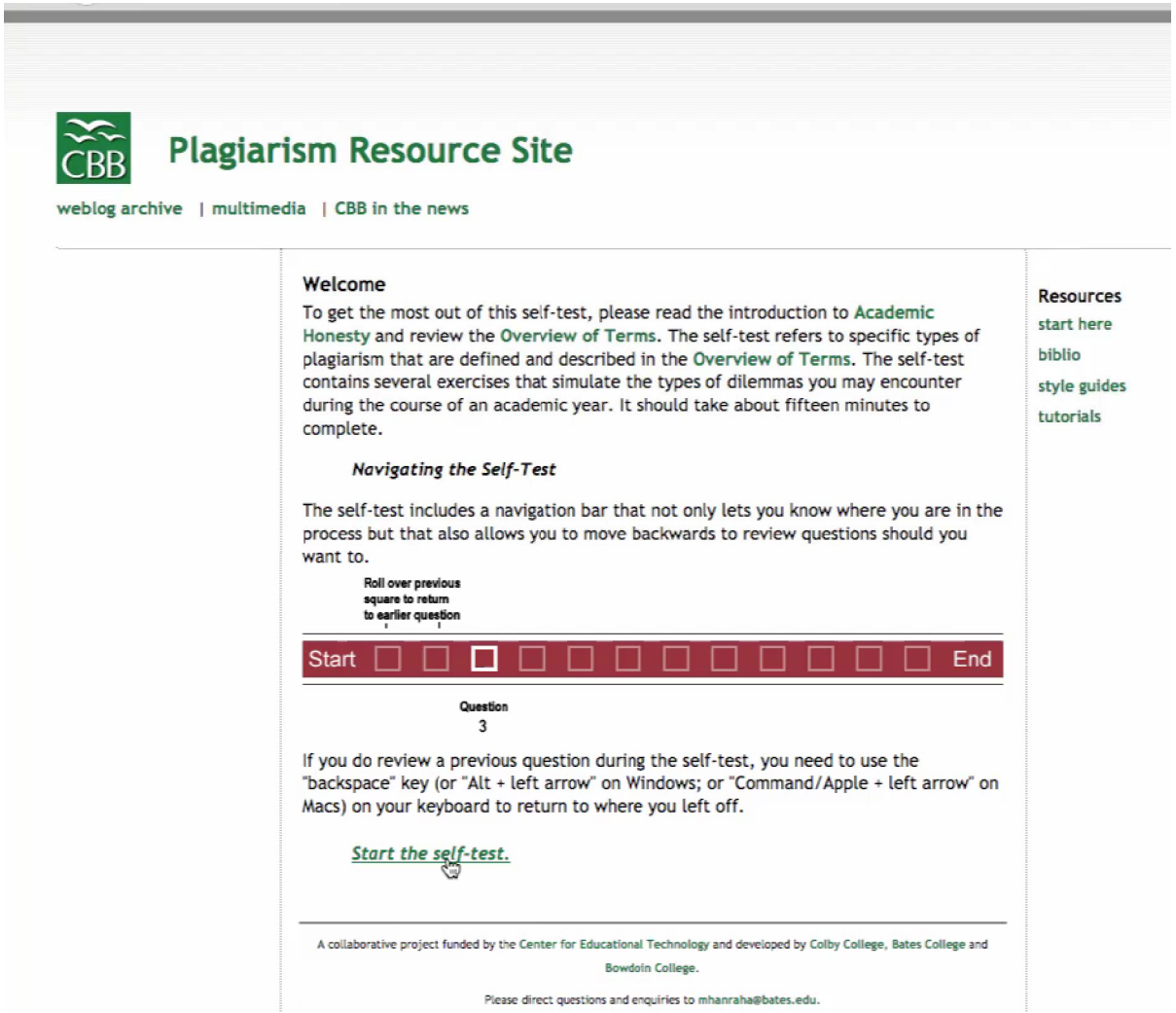


https://micro.magnet.fsu.edu/primer/java/digitalimaging/processing/automaticthresholding/index.html

Example of Learning Object (LO)

Quizlet – Plagiarism Resource Site

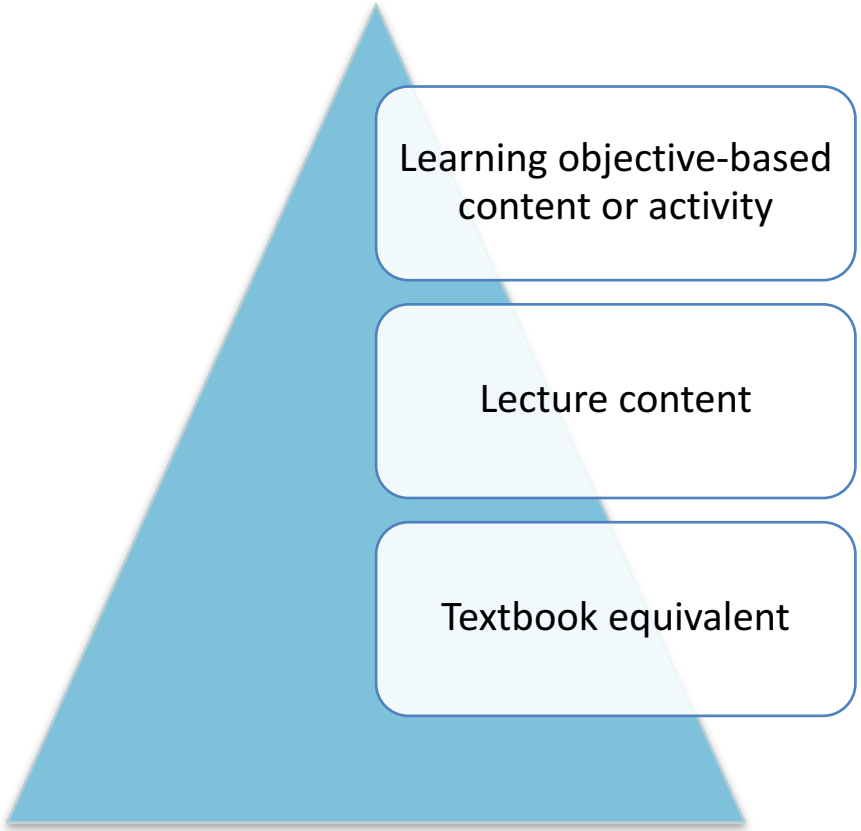
Bates College– Learning Systems Institute



http://abacus.bates.edu/cbb/quiz/index.html

FLORIDA STATE COLLEGE AT JACKSONVILLE™

Learning Objects at FSCJ



Accessibility

Visual Design

Is the type large enough

Is their enough white space

Are the columns too wide to read easily

Does the background contrast the foreground enough.

In the Code

Each graphic needs an alt tag

Anchor elements get enhanced

Easy nav links from beginning of page skip to content

Link from nav to content

All roads lead to the content.

ARIA Roles

Accessible **R**ich **I**nternet **A**pplications

Roles define the function of an element

example (ul role="navigation")

Valid Semantic HTML

Largest positive impact

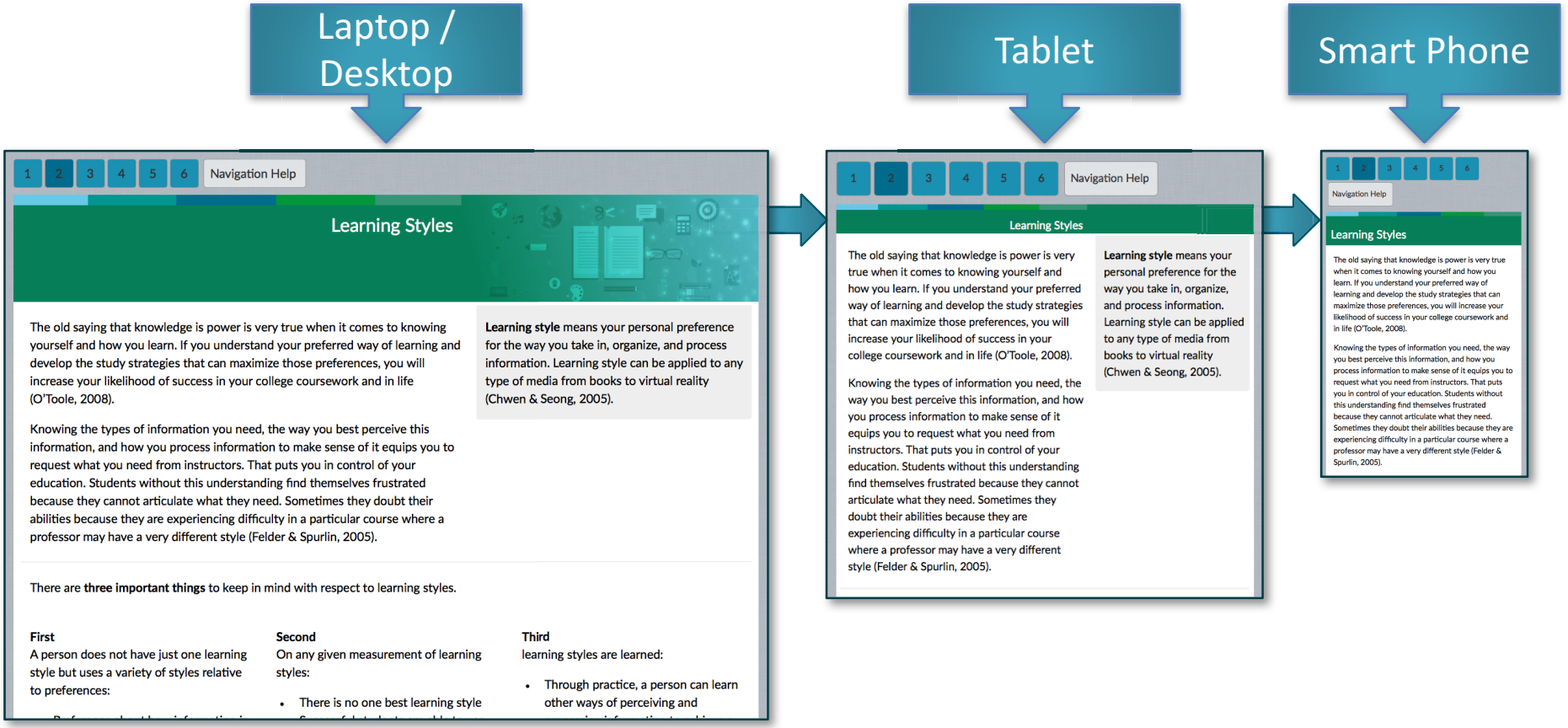
Small amount of effort

Screen Readers understand the content

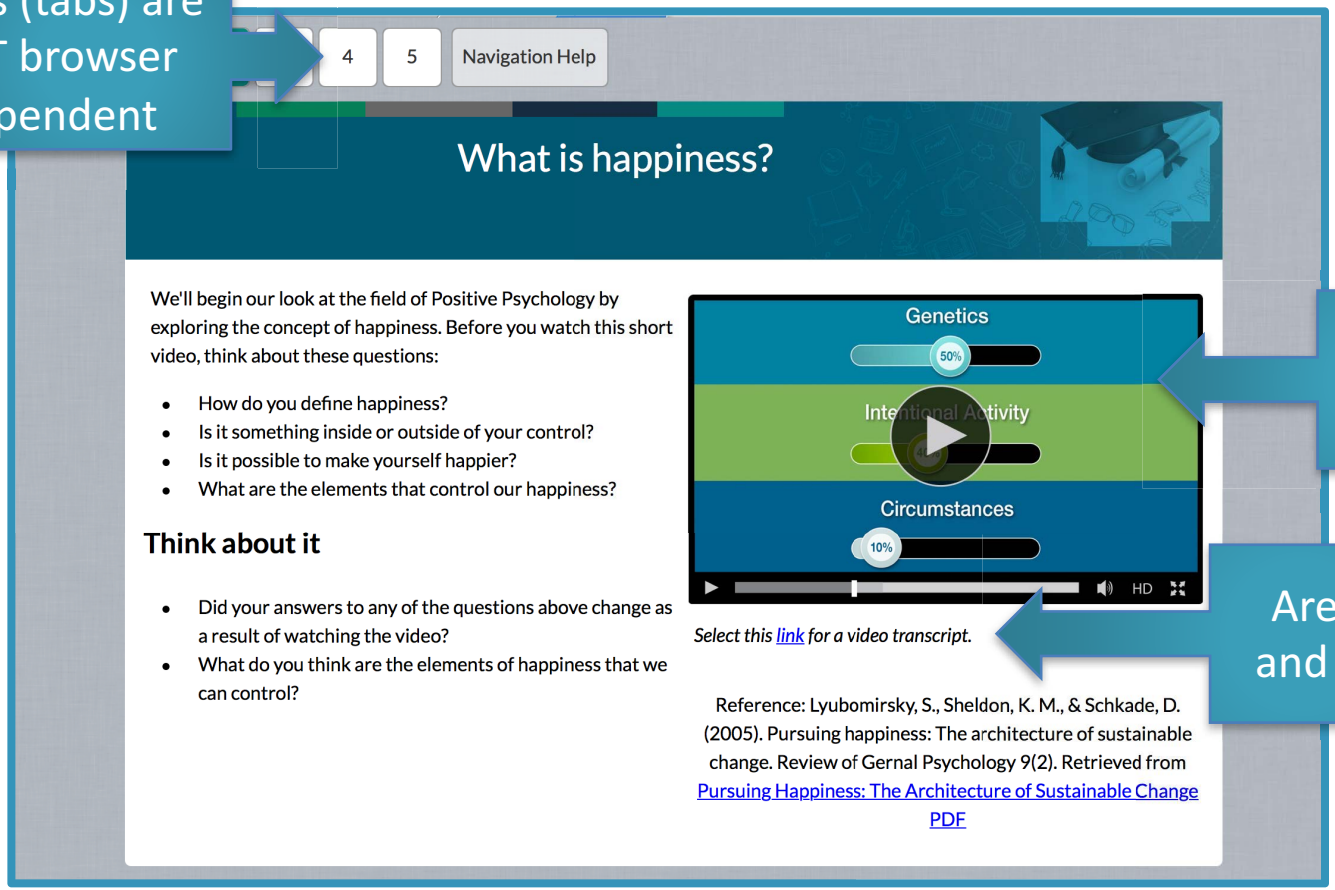
End user can leverage built in tools easier

Use simple tags for content, Header, Paragraph, List tags.

Usability


Laptop / Desktop
Tablet
Smart Phone
1 2 3 4 5 6 Navigation Help
Learning Styles
The old saying that knowledge is power is very true when it comes to knowing yourself and how you learn. If you understand your preferred way of learning and develop the study strategies that can maximize those preferences, you will increase your likelihood of success in your college coursework and in life (O'Toole, 2008).
Knowing the types of information you need, the way you best perceive this information, and how you process information to make sense of it equips you to request what you need from instructors. That puts you in control of your education. Students without this understanding find themselves frustrated because they cannot articulate what they need. Sometimes they doubt their abilities because they are experiencing difficulty in a particular course where a professor may have a very different style (Felder & Spurlin, 2005).
Learning style means your personal preference for the way you take in, organize, and process information. Learning style can be applied to any type of media from books to virtual reality (Chwen & Seong, 2005).
There are three important things to keep in mind with respect to learning styles.
First
A person does not have just one learning style but uses a variety of styles relative to preferences:
Second
On any given measurement of learning styles:
There is no one best learning style
Third
learning styles are learned:
Through practice, a person can learn other ways of perceiving and

Pages (tabs) are NOT browser dependent



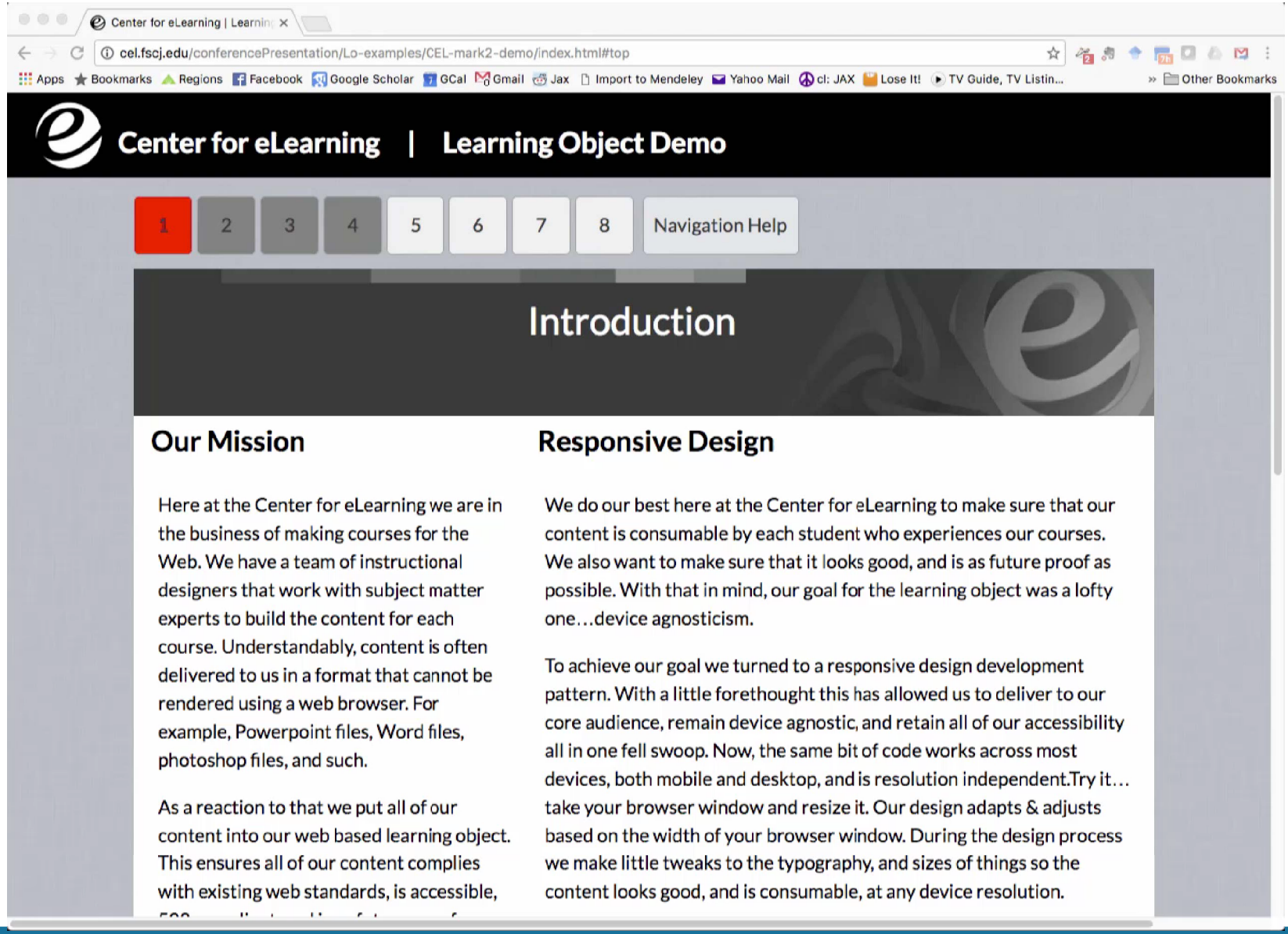
Can be embedded or linked

Are captioned and transcribed

Video

The Learning Object can play any kind of media with user controls. Media is captioned and transcribed.

CeL Demo Learning Object - Mark 2



http://cel.fscj.edu/conferencePresentation/Lo-examples/CEL-mark2-demo/index.html#top

CeL Demo Learning Object - Mark 2

REL2300 | Module 1 - Understanding Religion

1 2 3 4 5 6 7 8 Navigation Help

What is Religion?

What does it mean to be a world religion? Before we can answer that question, some background as to what religion is and how to define it is necessary.

The word religion comes from two Latin terms *re*, meaning "again", and *ligio*, meaning "connect" or "join". Literally, therefore, religion means to connect or join together again. This makes sense if religion is viewed through the lens of sociology. Since Emile Durkheim first conceived the study of sociology in the early twentieth century, sociologists have noted that one primary purpose of religion is to formulate group identity. Indeed, when we think of the aspects of religion, we do not think of it as a belief espoused only by individuals, but as the convictions shared by large communities of believers.

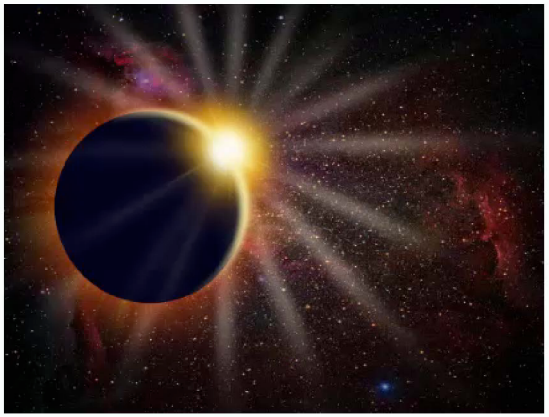
http://cel.fscj.edu/LOR/REL2300-M1/#top

CeL Demo - Mark 3 - Protozoa

AST1002
Learning Unit 3

1 | Motions of Objects

There are several basic motions of bodies. Rotation is the spinning of an object around its axis. Earth rotates once approximately every 24 hours, whereas Jupiter rotates once approximately every 10 hours.



At any moment, half of the Earth is illuminated by the Sun, because of the fact that most of our light comes from the Sun. As the Earth rotates from west to east, your location moves from the dark (night) hemisphere into the illuminated (day) hemisphere and back again. The diurnal (daily) motion of the stars, the Sun, and the Moon is a consequence of Earth's rotation.

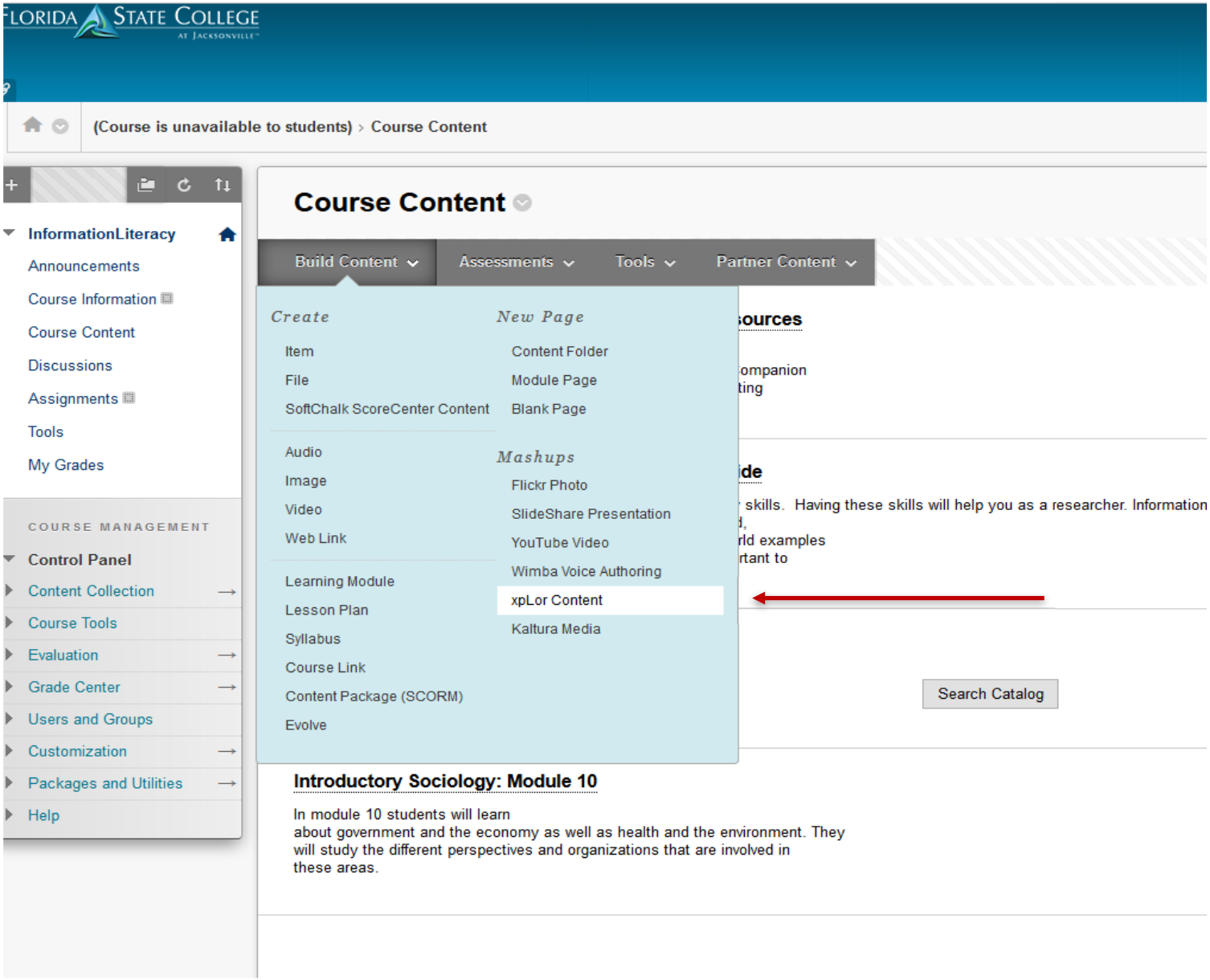
Another motion is Revolution; that is, one object orbiting a second. Earth revolves around the Sun approximately every 365.24 Earth Days (1 Earth year), and Jupiter revolves around the Sun approximately every 11.86 Earth Years (1 Jovian year). As the Earth revolves or orbits around the Sun, the nighttime side of the Earth (or any other body orbiting the Sun) gradually turns toward different parts of the night sky.

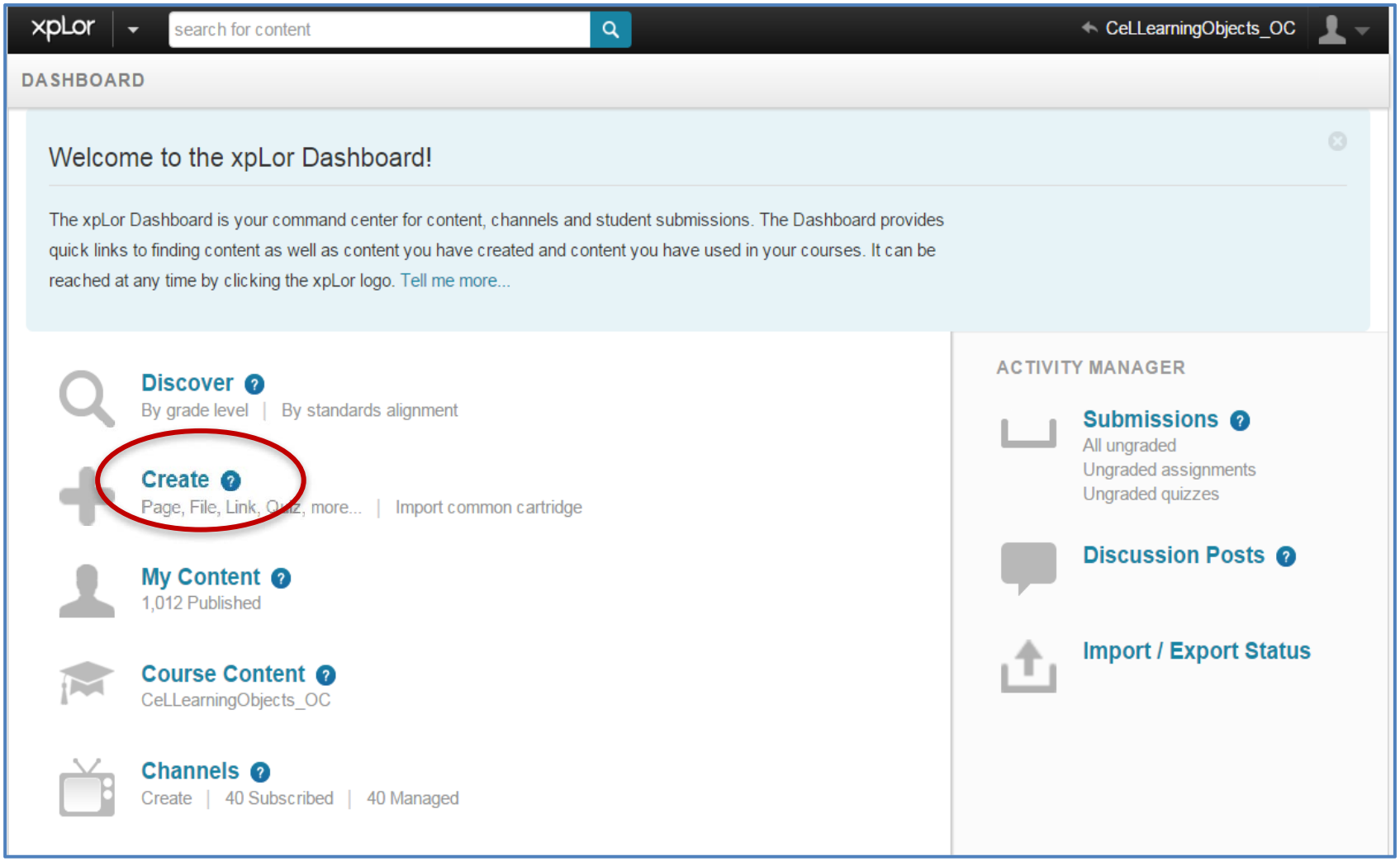
1 2 3 4 5 6 7 8 9 10 11

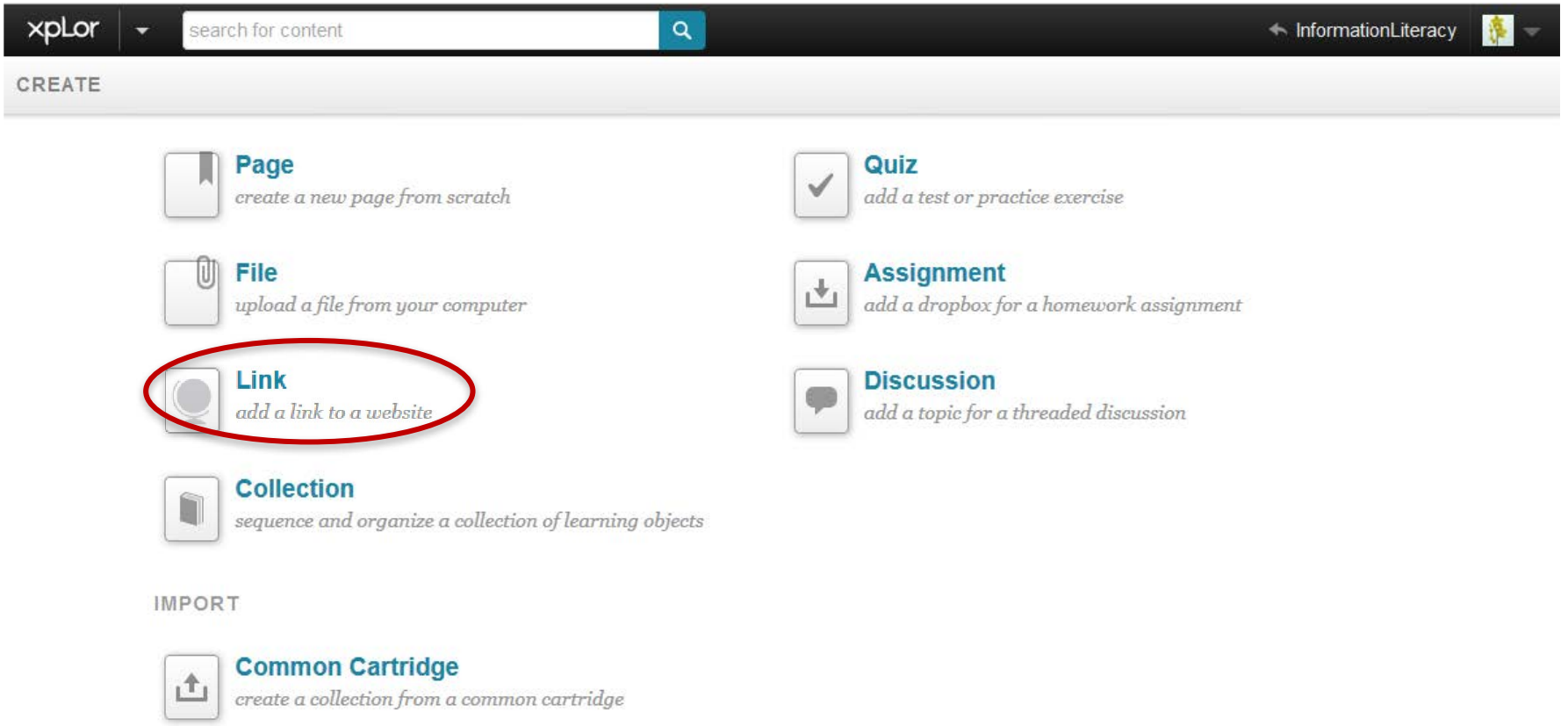
http://cel.fsci.edu/LOR/ast/1002/3/

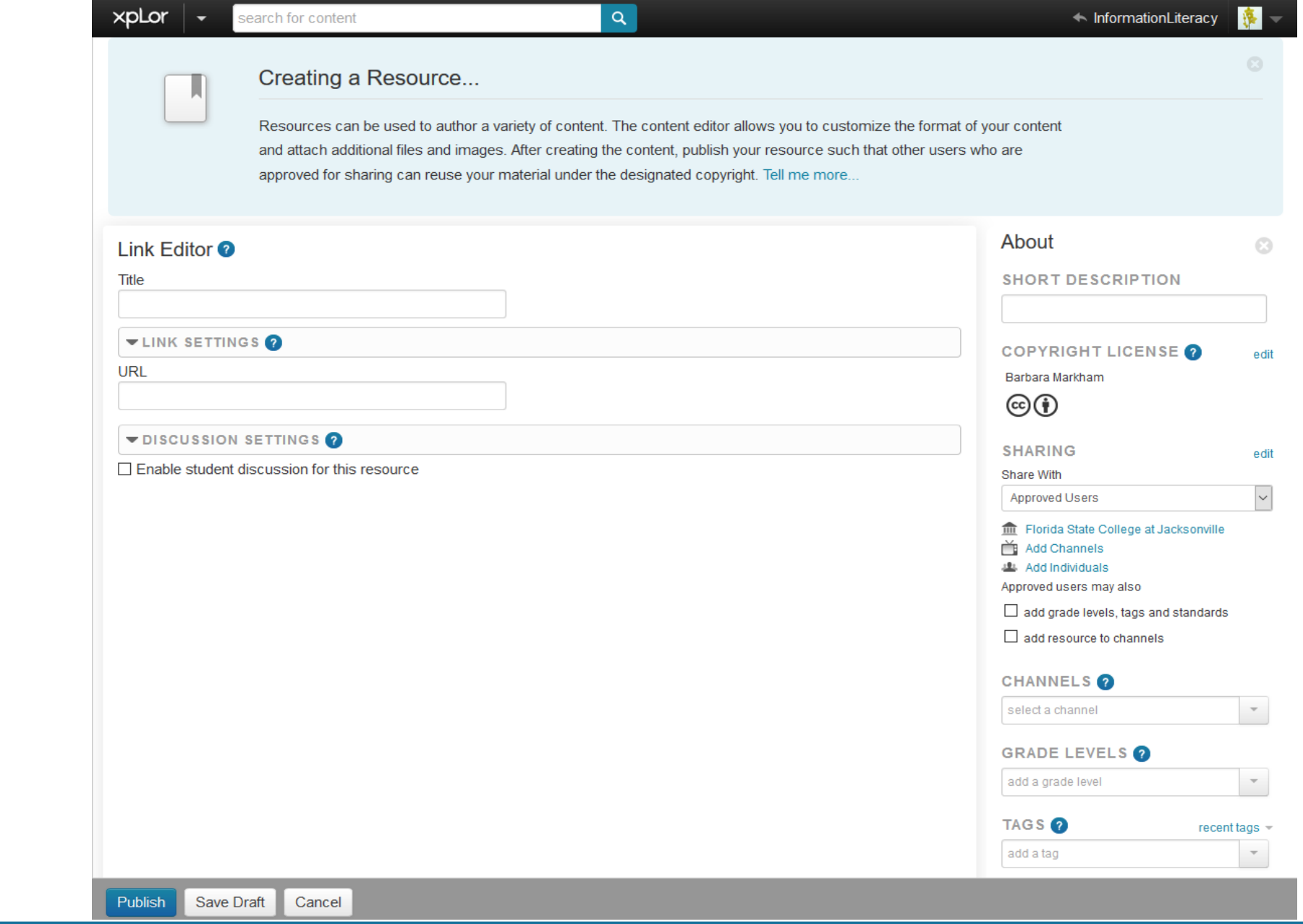
FLORIDA STATE COLLEGE AT JACKSONVILLE™

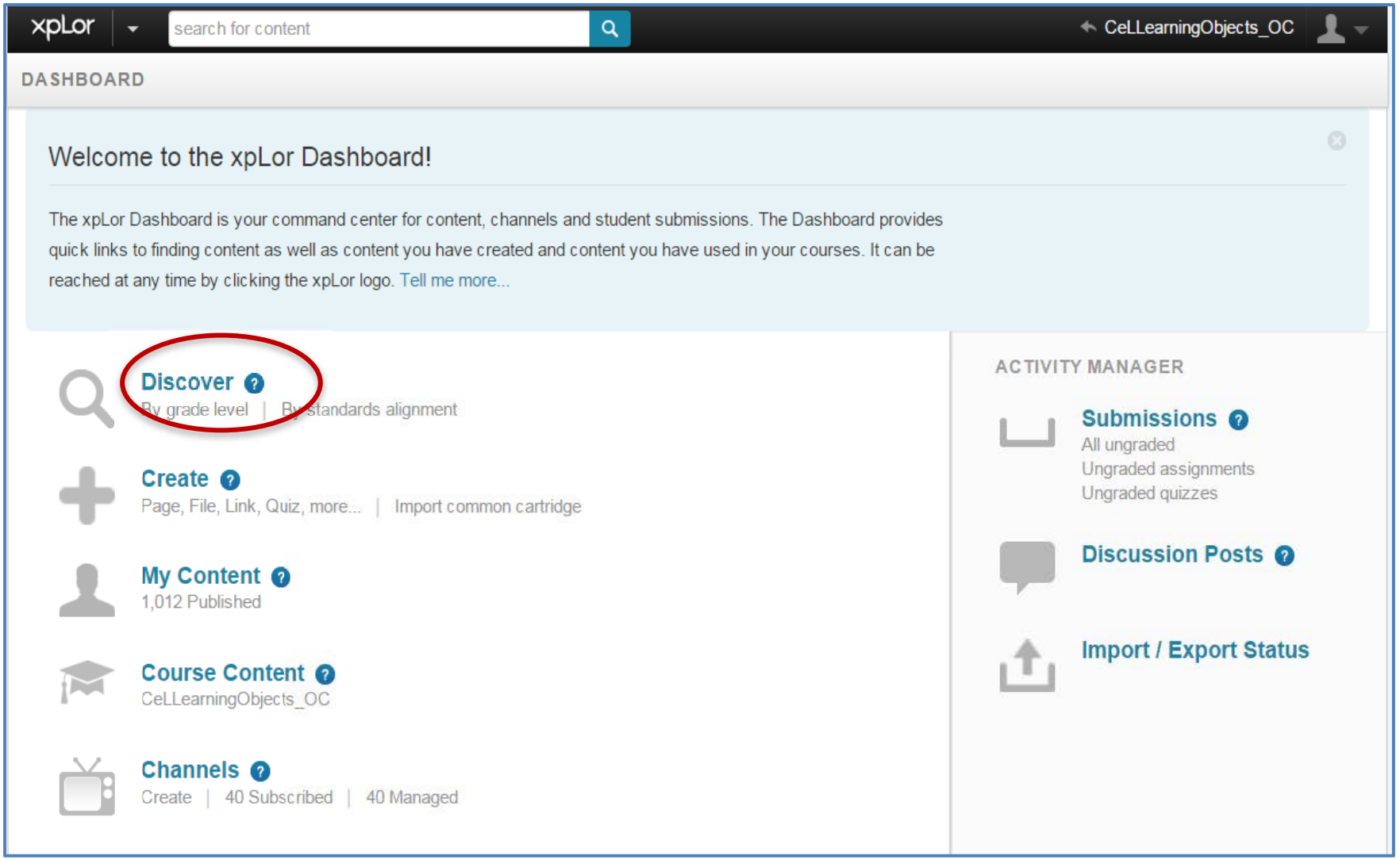
LO Discovery and Cataloging

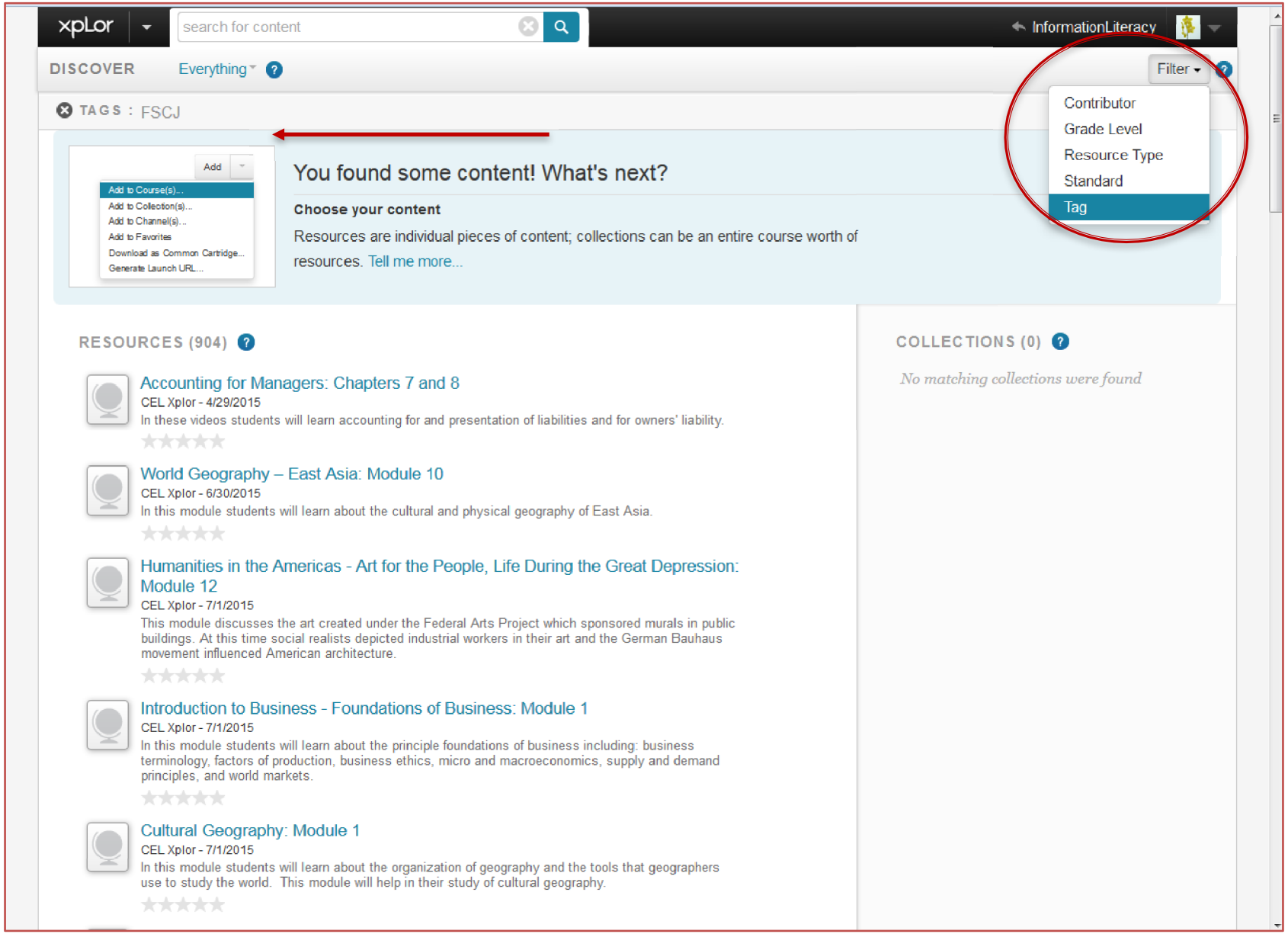

FLORIDA STATE COLLEGE AT JACKSONVILLE
(Course is unavailable to students) › Course Content
InformationLiteracy
Announcements
Course Information
Course Content
Discussions
Assignments
Tools
My Grades
COURSE MANAGEMENT
Control Panel
Content Collection
Course Tools
Evaluation
Grade Center
Users and Groups
Customization
Packages and Utilities
Help
Course Content
Build Content
Assessments
Tools
Partner Content
Create
Item
File
SoftChalk ScoreCenter Content
Audio
Image
Video
Web Link
Learning Module
Lesson Plan
Syllabus
Course Link
Content Package (SCORM)
Evolve
New Page
Content Folder
Module Page
Blank Page
Mashups
Flickr Photo
SlideShare Presentation
YouTube Video
Wimba Voice Authoring
xpLor Content
Kaltura Media
Search Catalog
Introductory Sociology: Module 10
In module 10 students will learn
about government and the economy as well as health and the environment. They
will study the different perspectives and organizations that are involved in
these areas.

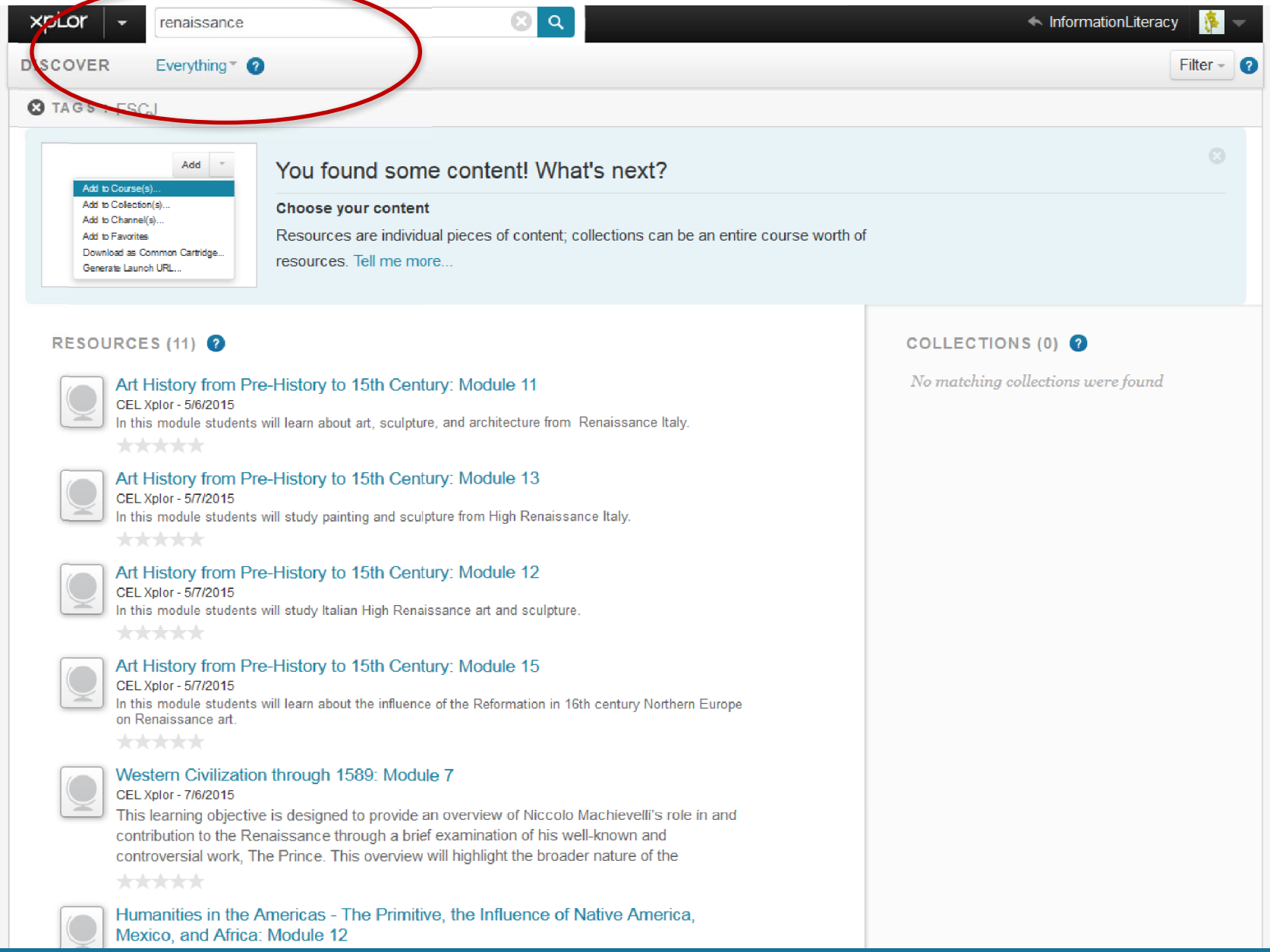

xpLor
search for content
CeLLearningObjects_OC
DASHBOARD
Welcome to the xpLor Dashboard!
The xpLor Dashboard is your command center for content, channels and student submissions. The Dashboard provides quick links to finding content as well as content you have created and content you have used in your courses. It can be reached at any time by clicking the xpLor logo. Tell me more...
Discover
By grade level | By standards alignment
Create
Page, File, Link, Quiz, more... | Import common cartridge
My Content
1,012 Published
Course Content
CeLLearningObjects_OC
Channels
Create | 40 Subscribed | 40 Managed
ACTIVITY MANAGER
Submissions
All ungraded
Ungraded assignments
Ungraded quizzes
Discussion Posts
Import / Export Status


xpLor
search for content
InformationLiteracy
CREATE
Page
create a new page from scratch
Quiz
add a test or practice exercise
File
upload a file from your computer
Assignment
add a dropbox for a homework assignment
Link
add a link to a website
Discussion
add a topic for a threaded discussion
Collection
sequence and organize a collection of learning objects
IMPORT
Common Cartridge
create a collection from a common cartridge

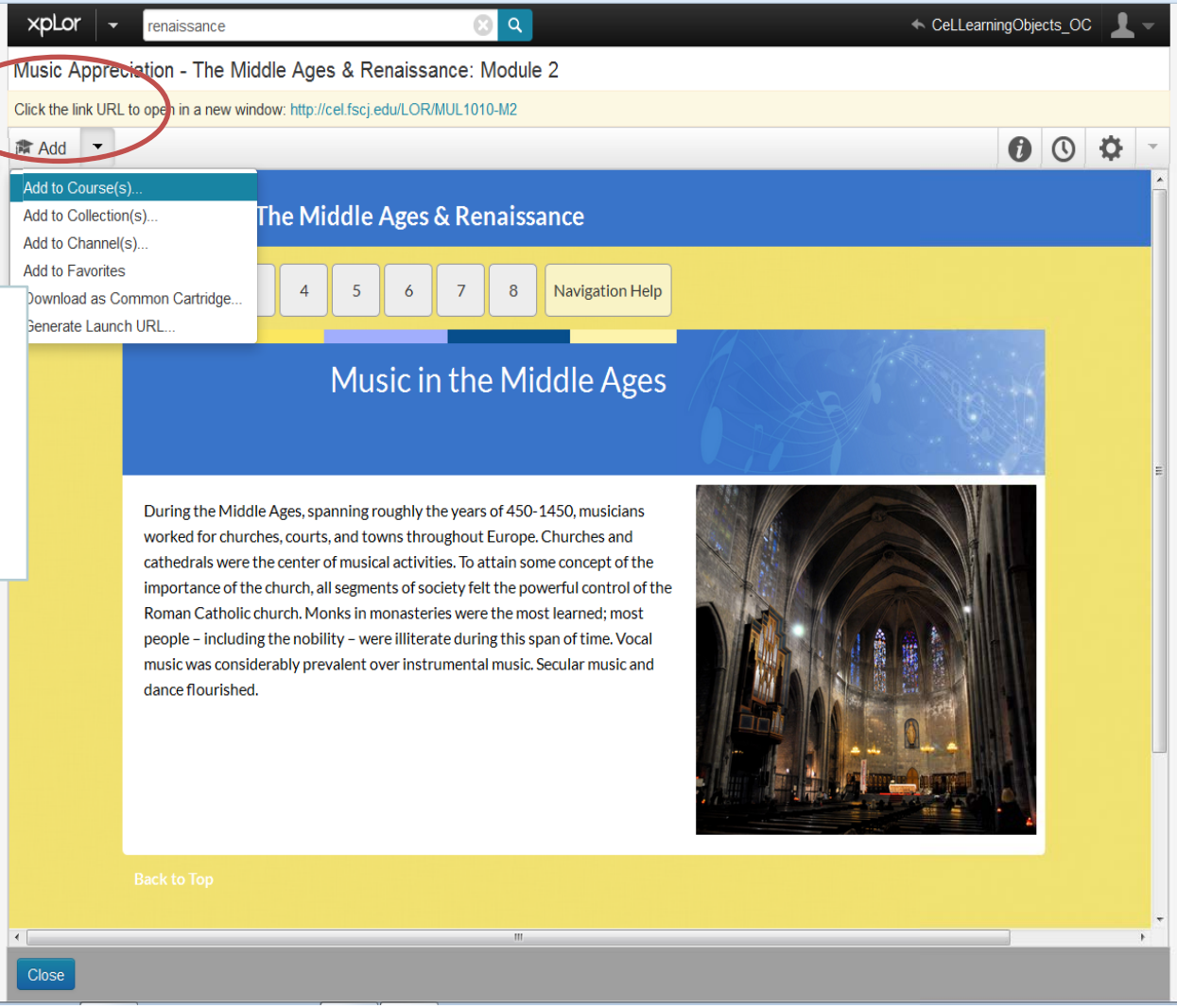

xpLor
search for content
InformationLiteracy
Creating a Resource...
Resources can be used to author a variety of content. The content editor allows you to customize the format of your content and attach additional files and images. After creating the content, publish your resource such that other users who are approved for sharing can reuse your material under the designated copyright. Tell me more...
Link Editor
Title
LINK SETTINGS
URL
DISCUSSION SETTINGS
Enable student discussion for this resource
About
SHORT DESCRIPTION
COPYRIGHT LICENSE
edit
Barbara Markham
SHARING
edit
Share With
Approved Users
Florida State College at Jacksonville
Add Channels
Add Individuals
Approved users may also
add grade levels, tags and standards
add resource to channels
CHANNELS
select a channel
GRADE LEVELS
add a grade level
TAGS
recent tags
add a tag
Publish
Save Draft
Cancel

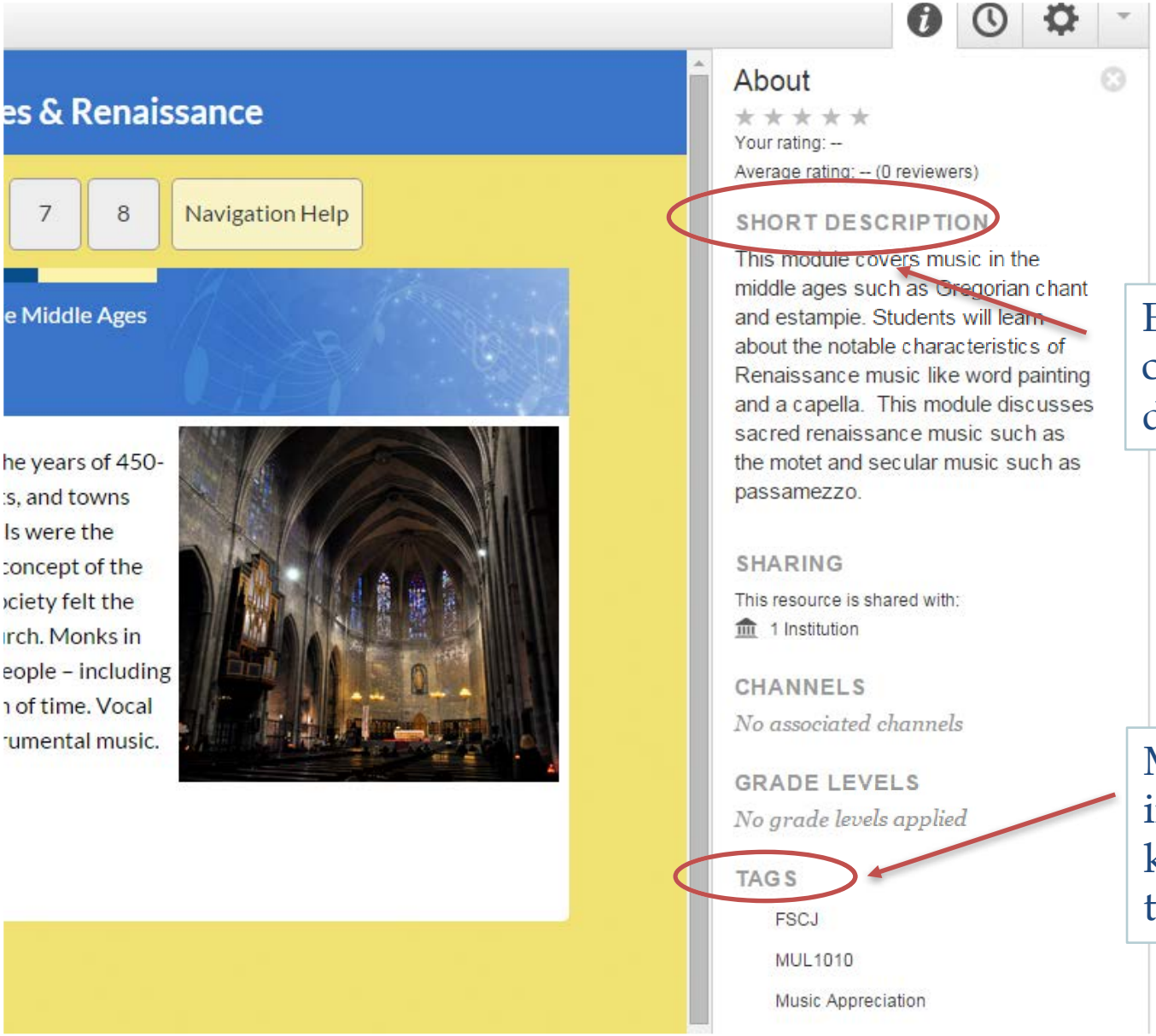

xpLor
search for content
CeLLearningObjects_OC
DASHBOARD
Welcome to the xpLor Dashboard!
The xpLor Dashboard is your command center for content, channels and student submissions. The Dashboard provides quick links to finding content as well as content you have created and content you have used in your courses. It can be reached at any time by clicking the xpLor logo. Tell me more...
Discover
By grade level | By standards alignment
Create
Page, File, Link, Quiz, more... | Import common cartridge
My Content
1,012 Published
Course Content
CeLLearningObjects_OC
Channels
Create | 40 Subscribed | 40 Managed
ACTIVITY MANAGER
Submissions
All ungraded
Ungraded assignments
Ungraded quizzes
Discussion Posts
Import / Export Status


xpLor
search for content
InformationLiteracy
DISCOVER
Everything
Filter
Contributor
Grade Level
Resource Type
Standard
Tag
TAGS : FSCJ
Add
Add to Course(s)...
Add to Collection(s)...
Add to Channel(s)...
Add to Favorites
Download as Common Cartridge...
Generate Launch URL...
You found some content! What's next?
Choose your content
Resources are individual pieces of content; collections can be an entire course worth of resources. Tell me more...
RESOURCES (904)
Accounting for Managers: Chapters 7 and 8
CEL Xplor - 4/29/2015
In these videos students will learn accounting for and presentation of liabilities and for owners' liability.
World Geography – East Asia: Module 10
CEL Xplor - 6/30/2015
In this module students will learn about the cultural and physical geography of East Asia.
Humanities in the Americas - Art for the People, Life During the Great Depression: Module 12
CEL Xplor - 7/1/2015
This module discusses the art created under the Federal Arts Project which sponsored murals in public buildings. At this time social realists depicted industrial workers in their art and the German Bauhaus movement influenced American architecture.
Introduction to Business - Foundations of Business: Module 1
CEL Xplor - 7/1/2015
In this module students will learn about the principle foundations of business including: business terminology, factors of production, business ethics, micro and macroeconomics, supply and demand principles, and world markets.
Cultural Geography: Module 1
CEL Xplor - 7/1/2015
In this module students will learn about the organization of geography and the tools that geographers use to study the world. This module will help in their study of cultural geography.
COLLECTIONS (0)
No matching collections were found


renaissance
InformationLiteracy
DISCOVER
Everything
Filter
TAGS : FSCJ
Add
Add to Course(s)...
Add to Collection(s)...
Add to Channel(s)...
Add to Favorites
Download as Common Cartridge...
Generate Launch URL...
You found some content! What's next?
Choose your content
Resources are individual pieces of content; collections can be an entire course worth of resources. Tell me more...
RESOURCES (11)
Art History from Pre-History to 15th Century: Module 11
CEL Xplor - 5/6/2015
In this module students will learn about art, sculpture, and architecture from Renaissance Italy.
Art History from Pre-History to 15th Century: Module 13
CEL Xplor - 5/7/2015
In this module students will study painting and sculpture from High Renaissance Italy.
Art History from Pre-History to 15th Century: Module 12
CEL Xplor - 5/7/2015
In this module students will study Italian High Renaissance art and sculpture.
Art History from Pre-History to 15th Century: Module 15
CEL Xplor - 5/7/2015
In this module students will learn about the influence of the Reformation in 16th century Northern Europe on Renaissance art.
Western Civilization through 1589: Module 7
CEL Xplor - 7/6/2015
This learning objective is designed to provide an overview of Niccolo Machievelli's role in and contribution to the Renaissance through a brief examination of his well-known and controversial work, The Prince. This overview will highlight the broader nature of the
Humanities in the Americas - The Primitive, the Influence of Native America, Mexico, and Africa: Module 12
COLLECTIONS (0)
No matching collections were found

Select a learning object and easily add to a course





Each module contains a short description.

Modules are indexed by keywords and tags.

Moving Forward

Next Steps: Where Do We Go From Here?

- **Design Aspects**
  - Standardization of how, what and when LO's are used
    - Learning Object Request Form
    - Procedure/policy to add tags
    - ADA compliant
- **Implementation Aspects**
  - Centralized training for staff and faculty
  - Promoting use
  - Faculty provided content
  - Sharing resources publicly—FSCJ copyright
  - LO Libguide

FLORIDA STATE COLLEGE AT JACKSONVILLE™

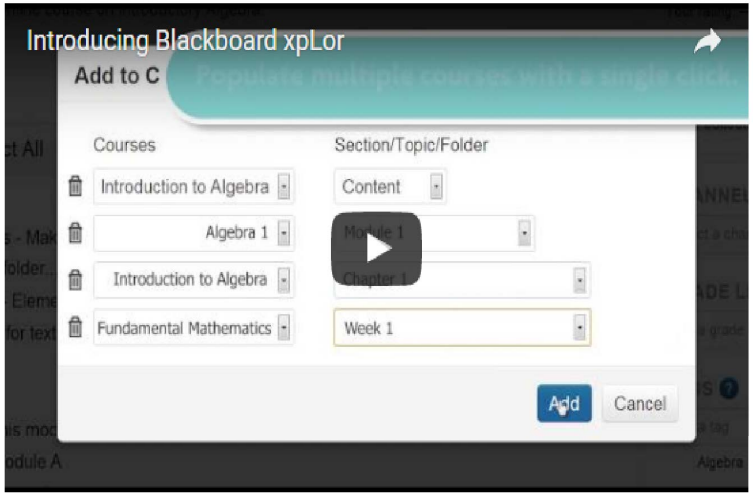
Open Educational Resources and Learning Objects: FSCJ Learning Objects

This guide is designed for FSCJ faculty to discover learning objects and other open educational resources. Faculty will also find information on adding and uploading content to share with colleagues.

Welcome!

Please use this guide to find information on how to discover and share learning objects and open educational resources.

Introducing Blackboard xpLor



Learning Objects Defined

What is a Learning Object?

Learning objects are digital materials with defined instructional value used to improve teaching and learning. Some examples of learning objects are:

- Websites
- Audio and video clips
- Presentations
- Tutorials
- Assignments, and assessments

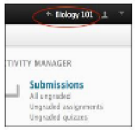
The Librarians at Florida State College at Jacksonville have developed a learning object repository using a Blackboard product, XpLor.

FLORIDA STATE COLLEGE AT JACKSONVILLE™

Getting Started

Tool Availability

Is xpLor not listed as a Mashup? View this tutorial on how to make xpLor accessible through Balckboard



Moving Between xpLor and Blackboard

This guide will show you how to move between xpLor and Blackboard Learn.

Getting Started with xpLor

Here are a few slides that show how to search using "FSCJ" created channels

Discovery

Here is some helpful information on how to search for learning objects in xpLor.

Learning Objects in the Library

Discover, Create, and Share:

Our FSCJ librarians are available to assist you with discovering learning objects using the Blackboard xpLor learning object repository Please contact a Faculty Librarian for assistance.

Faculty Resource Centers:

Several FSCJ campuses and centers have faculty resource areas with software designed to help with the creation of learning objects. Some software programs include:

- TechSmith Camtasia Studio
- TechSmith Snagit
- Adobe After Effects
- Adobe Creative Suite Design
- Adobe Lightroom
- Apple Final Cut Pro
- Mediaspace
- Apple Quicktime

Contact the campus for more information.

Suggestions and Feedback

Provide Feedback

Select this link to provide feedback and/or suggestions for improvement of the learning object repository.

Learning Object Repository Request

Request to Add

Select this link to request to have learning objects that you developed added to xpLor. Please fill in as much information as possible. If the learning object is a file from your computer, a librarian will contact you for more information.

Name: Please enter your name

Email Address: Please enter your email address

Title of Learning Object

Suggested course(s) in which it could be used

Type of Object

- File from your computer
- Link to a website
- Organized collection of learning objects
- Video

Web Address (if applicable)

**Please note that you will receive a separate email request for access to upload a file or presentation not available online

Summary: Provide a brief description of your learning object. Include a statement explaining the benefit to the student and possible uses.

Keywords: Please list a few keywords associated with your learning object that will help faculty discover it when searching

Learning Outcomes: Which learning outcomes are aligned with this learning object (refer to the course outlines for the course)?

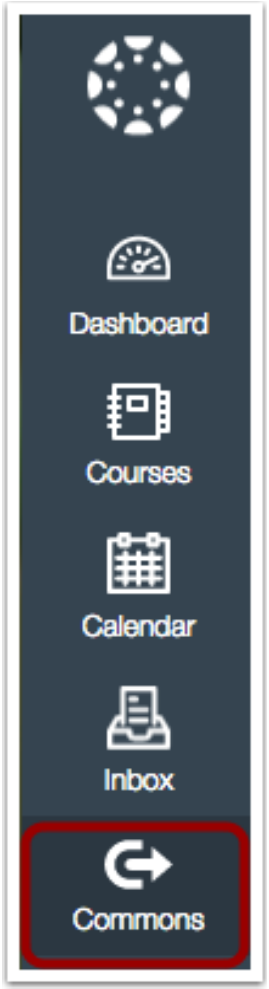
Submit

Take Away

- **Considerations**
  - Consider LO's as a way of reducing reliance on textbooks
  - Consider removing/replacing PowerPoint in online courses
  - Consider LO repository design alternatives

LO Repository Design Alternatives

Learning Management Systems



- Canvas Commons is a learning object repository that allows Canvas users to share learning resources.
- Commons is available in all Free for Teacher (FFT) accounts. Free for Teacher users are limited to finding, importing, and sharing public resources.

Learning Management Systems

- Desire2Learn is a course management system
- A Learning Object Repository (LOR) can be set up in Desire2Learn (Brightspace)
  - Brightspace Learning Repository
- Lansing Community College Library LOR

LibGuides

About ▾ Libraries & Hours Using the Library ▾ Help & Services ▾ Search Tools ▾

UNIVERSITY LIBRARY
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

University Library / LibGuides / Learning Objects / Presenting/Web Conferencing

Learning Objects

helping to improve teaching and learning through digital materials

Enter Search Words

- Home
- Assessment Tools/Tests
- Audio/Podcasting
- Games
- Infographics
- Literature and Research
- Mashups and Miscellanea
- Mobile Device Tools
- Music Sources
- Photo/Image
- **Presenting/Web Conferencing**
- Powerpoint/Flash Converters
- Quiz/Survey
- Repositories
- Screencast
- Simulations/Animation Tools
- Teaching Resources
- Storage Systems
- Software for Learning Objects
- Video
- Web Authoring

Featured Tools

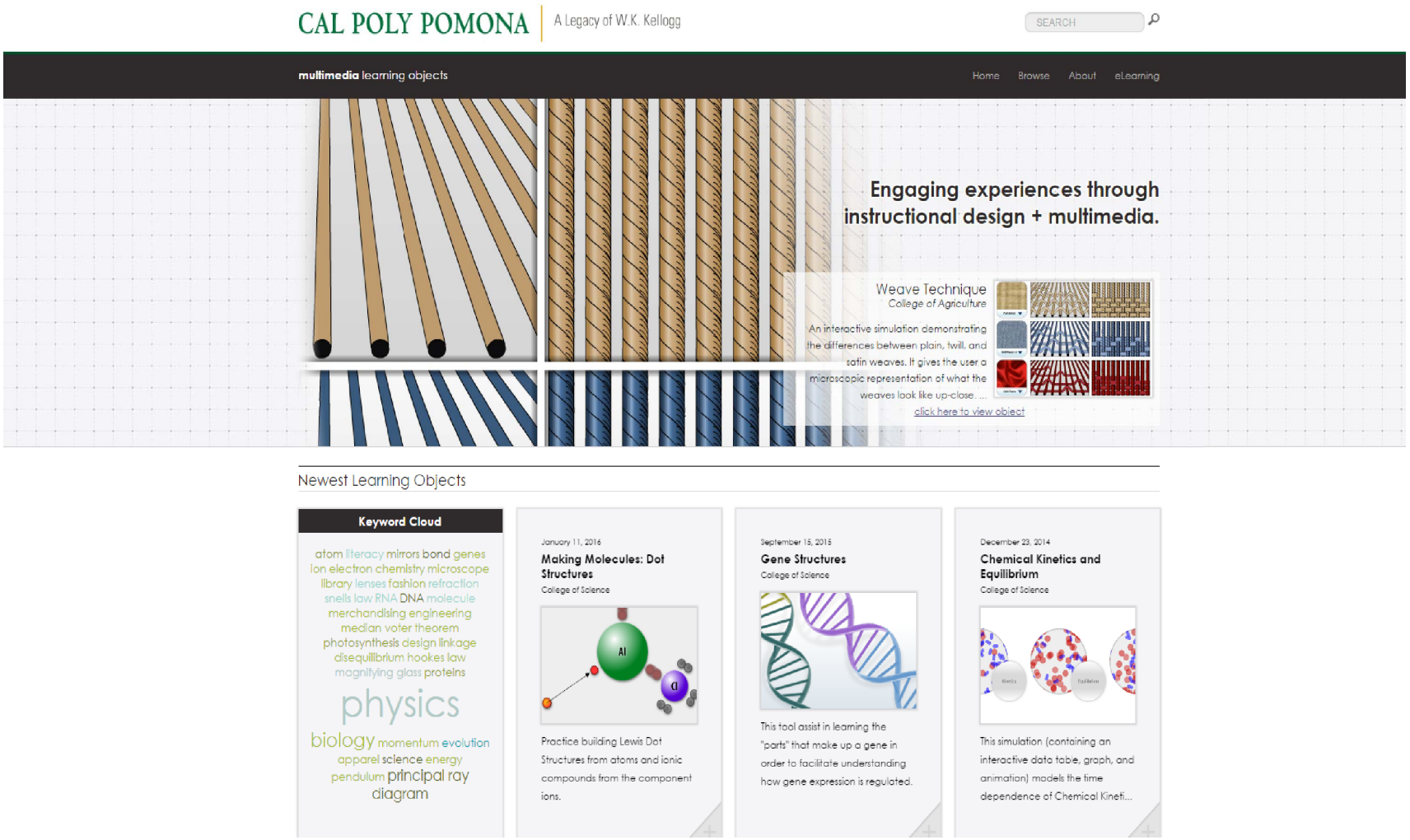
Web Conferencing Tools

- Adobe Connect

Learning Objects Libguide—Univ of Illinois

FLORIDA STATE COLLEGE AT JACKSONVILLE™

College Webpages



[Cal Poly Pomona Multimedia Learning Objects]

College Webpages

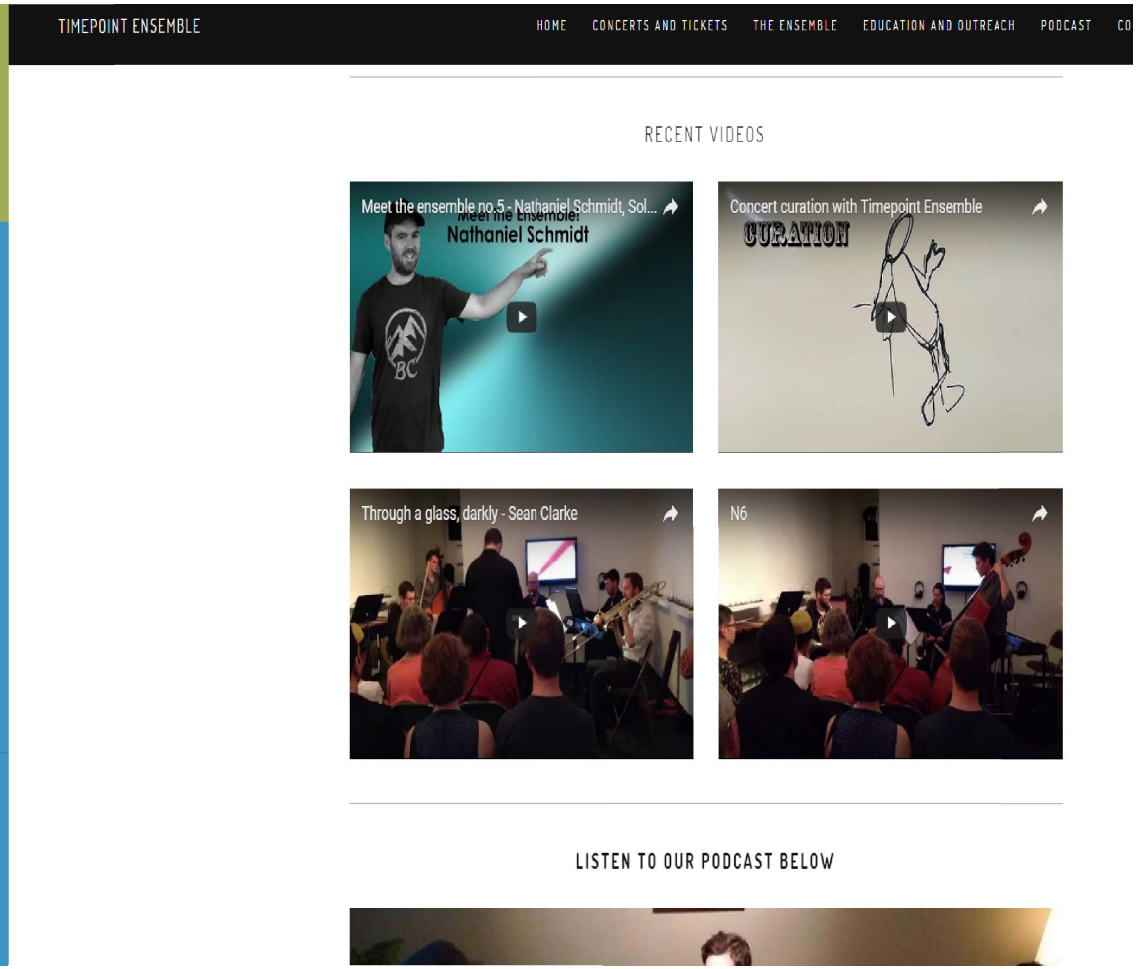
Texas A & M University Open Educational Resources

FLORIDA STATE COLLEGE AT JACKSONVILLE™

Website Builders

- If you're a current student or faculty member of a partnering school, you can receive 50% off your first year of Squarespace.
- Squarespace Education Toolset

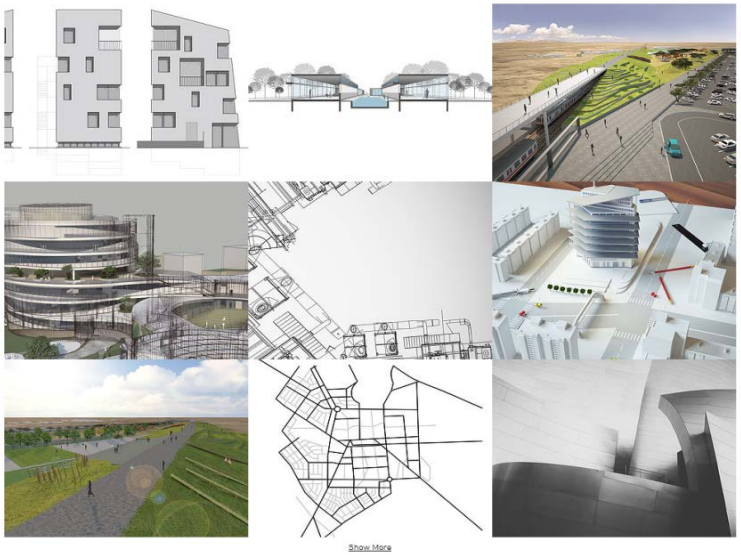
Website Builders

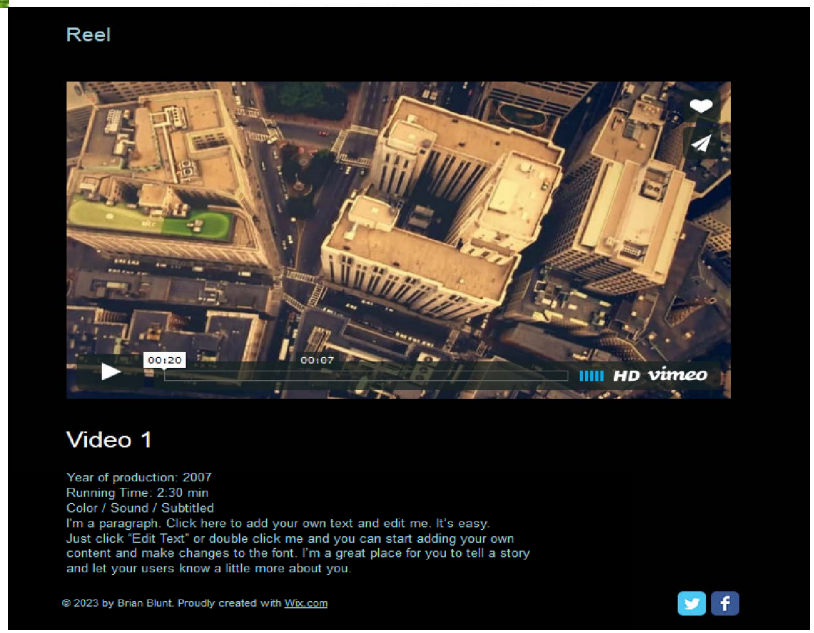


[Laramie Rivers Conservation District]
[Timepoint Ensemble]

Website Builders

- Intuitive site-building interface & a free version
- A gallery of third-party widgets
- Online storage for your site assets
- WixEd





Examples from Wix templates and statistician, Josephine Akosa, website.

FLORIDA STATE COLLEGE AT JACKSONVILLE™

Website Builders

WordPress.com

- Hosts your site
- Free version is very basic and has limited customization
- Not on your campus domain ($$$)

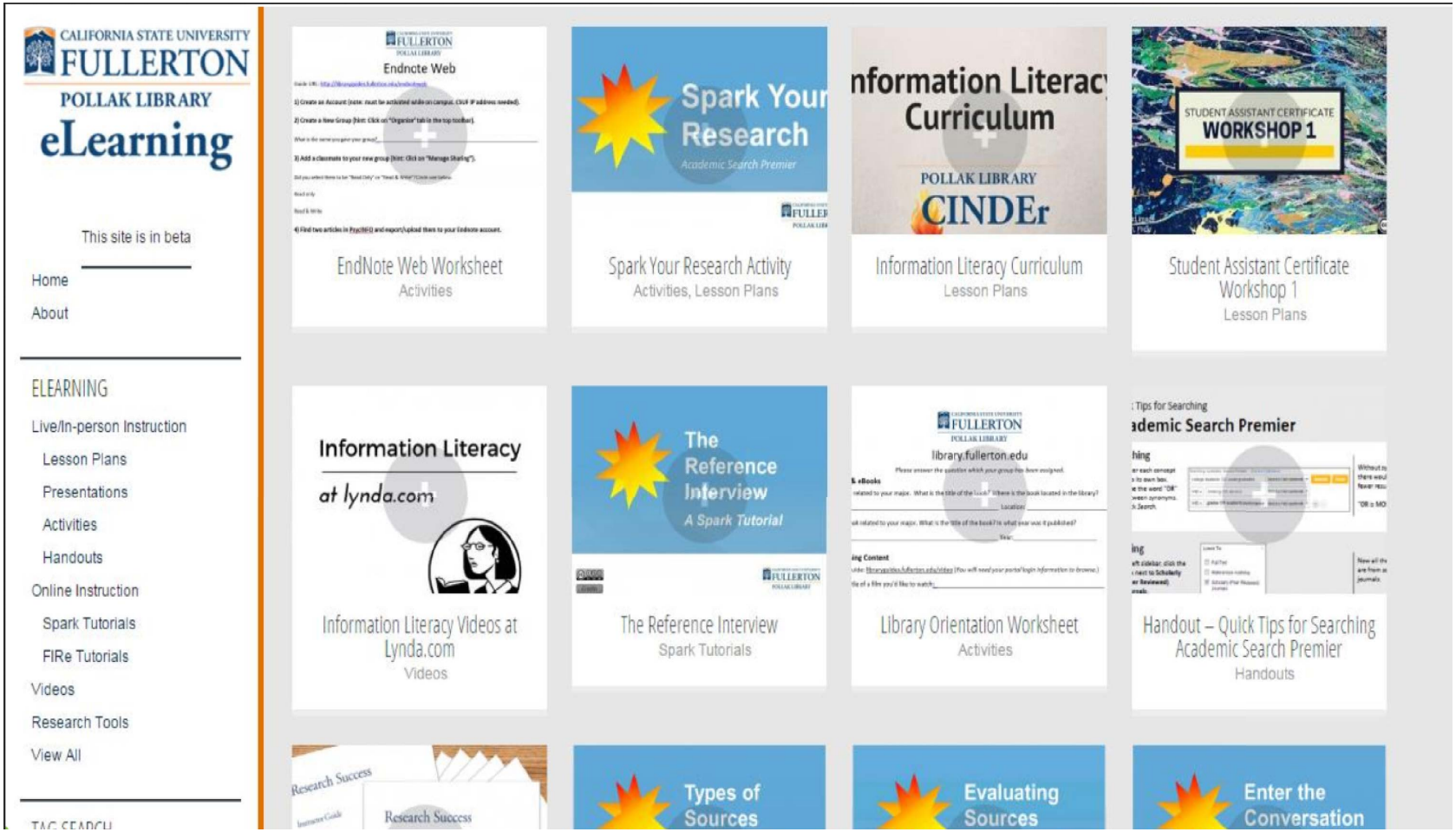
WordPress.org

- Download open source software and host yourself
- Unlimited customization
- On your campus domain
- May need programmer support

Logos used under Fair Use

Slide used from PowerPoint created by Jennifer O'Neill, www.jlindsayoneill.com, Licensed under CC-BY

Website Builders



Slide used from PowerPoint created by Jennifer O'Neill, www.jlindsayoneill.com, Licensed under CC-BY

Website Builders

Google Sites

- Website builder & host
- Basic internal sites
- Not ideal as a main client facing website
- Free*
- Examples—
  - School Libraries using Google Sites
  - Virtual Learning Commons

Weebly

- Website builder & host
- Weebly for Education is a special version for teachers and students.
- Free & paid plan options
- Examples
  - Interactive Sites for Education
  - Stallion Library

Expanding the Partnership

Achieving the Dream Grant

- FSCJ is one of 19 grantees and 38 Community Colleges
- Design two degree pathways with OER
- These degree pathway courses will be offered in all modes; Online, Hybrid, and F2F.
- The grant will help with college affordability.

Achieving the Dream

Expanding the Partnership

Library's Continued Involvement

- Library for support with locating and evaluating the OERs.
- Libraries have search and discovery systems, data storage, metadata and indexing, institutional repositories and preservation expertise
- Libraries have trusted relationships enabling the outreach, education, and instructional support.

Contact Information

Ronald L Carr, Ron.Carr@fscj.edu

Shannon Dew, Shannon.Dew@fscj.edu

Barbara Markham, Barbara.Markham@fscj.edu

Sharon Uskokovich, S.Uskokovich@fscj.edu