

# **DIGITAL BADGES EXPOSED**



**TECHNOLOGY BEHIND A  
LIBRARY BADGES PROGRAM**

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# LEARNING OBJECTIVES

- Recall the minimum technology to launch a digital badges program
- Analyze your campus' digital learning infrastructure
- Discuss effective learning object design for issuing badges

Slides: [jlindsayoneill.com/digitalbadges](http://jlindsayoneill.com/digitalbadges)

# **GOLDEN RULE** **TO BE EFFECTIVE,** **BADGES NEED TO BE MEANINGFUL**

- Answer these questions when designing a badge:
  - What does this badge prove? Who will care?

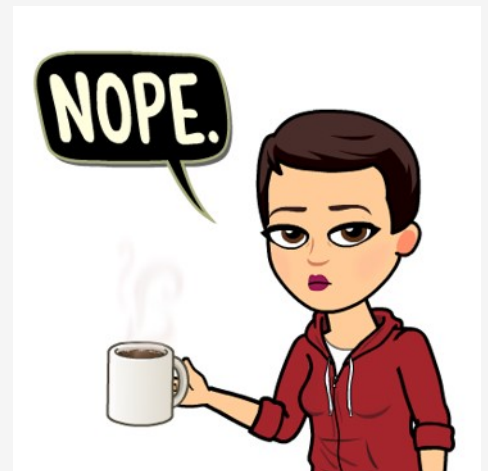
# **GOLDEN RULE** **TO BE EFFECTIVE,** **BADGES NEED TO BE MEANINGFUL**

- Effective and meaningful badges:
  - Recognize an accomplishment



# **GOLDEN RULE** **TO BE EFFECTIVE,** **BADGES NEED TO BE MEANINGFUL**

- Ineffective and meaningless badges:
  - Reward learners just for showing up



# GET READY TO RESPOND

We'll use Kahoot! for a survey and terminology overview.

The Kahoot! logo, featuring the word "Kahoot!" in a bold, purple, sans-serif font with a small exclamation mark at the end. The logo is centered within a white rectangular box.









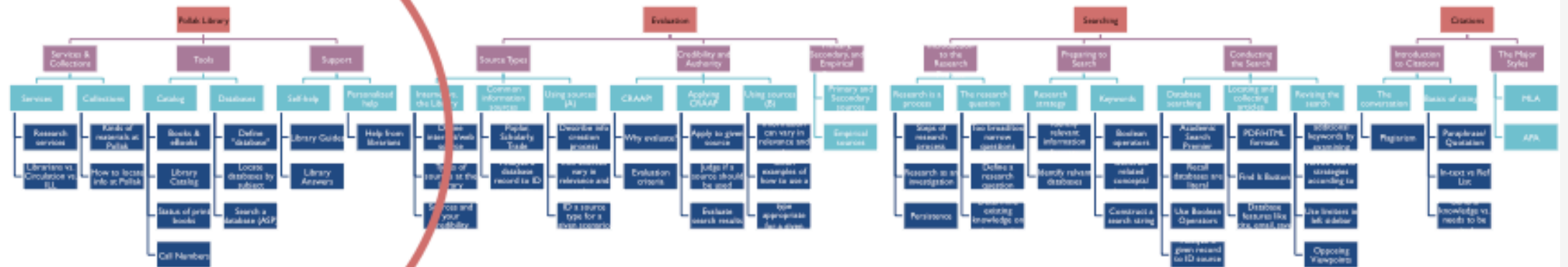
# **SPARK TUTORIALS**

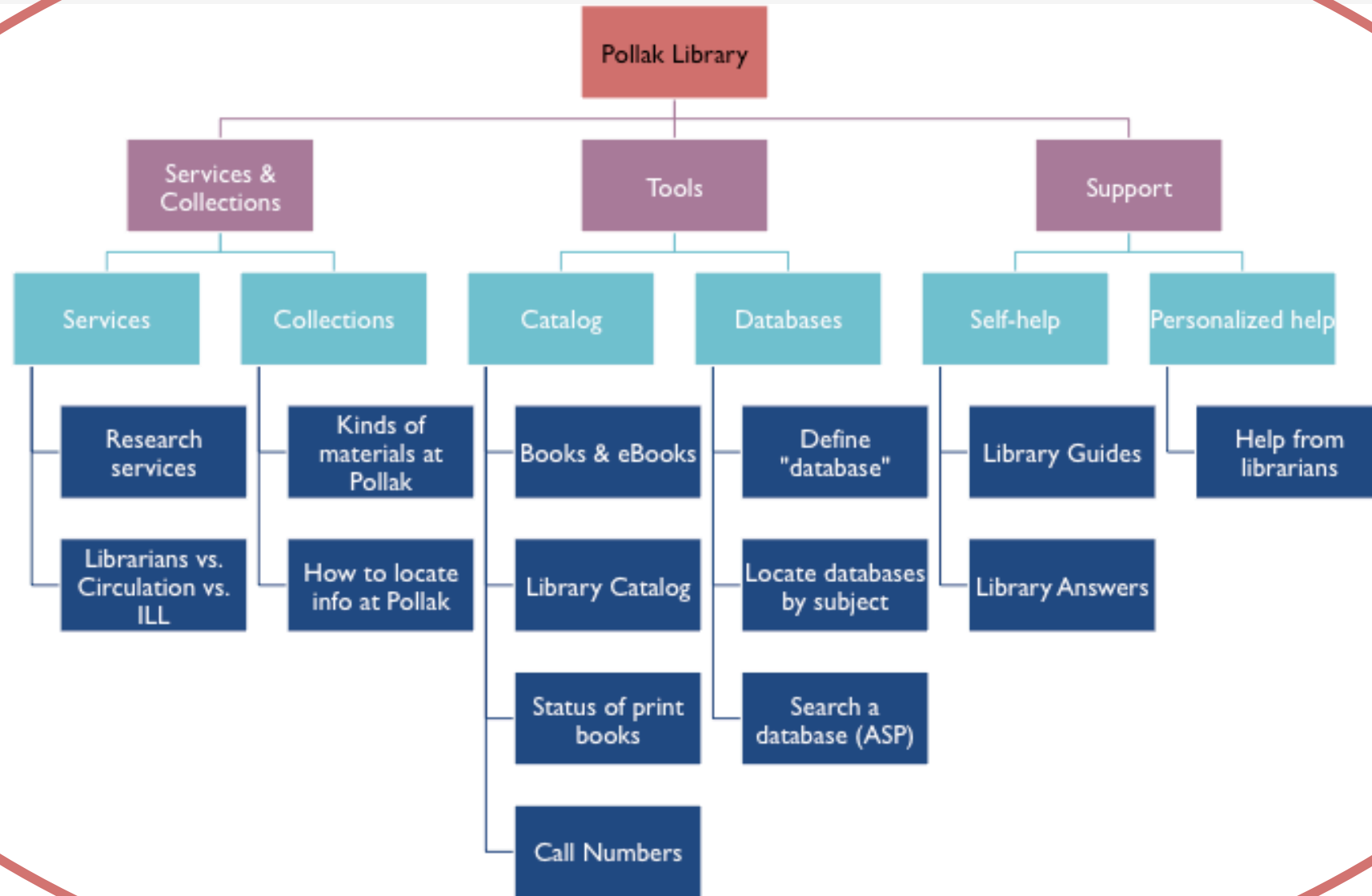


# POLLAK LIBRARY SPARK TUTORIALS

- Services & Collections 
- Finding Books 
- Finding Articles & Databases 
- Help & Support 

# SPARK TUTORIALS STRUCTURE





# SPARK TUTORIALS TECHNOLOGY

- Learning Object Development
  - Software: Articulate Storyline 2
  - Tutorials packaged as SCORM
- LMS: Moodle
  - Badges module added onto Moodle
    - IT set up Mozilla Backpack server (to manage badges)
  - SCORM packages embedded into course
  - Badges set up to issue for 100% score on tutorials

# SCORM DEFINED

“SCORM is a set of technical standards for e-learning software products. SCORM tells programmers how to write their code so that it can ‘play well’ with other e-learning software.”

*From <http://scorm.com/scorm-explained/>*

# Pollak Library Spark Tutorials

[Dashboard](#) ▶ [Miscellaneous](#) ▶ [Pollak Library Spark Tutorials](#)

Your progress 

## Welcome!

This is a collection of interactive tutorials that will give you a thorough orientation to Pollak Library. Once you complete all of the tutorials, you will be familiar with the library's services and collections, with the basic functions of the library website including how to get started with library research, and you will know how to get help from a librarian.

These tutorials are closed captioned and include downloadable transcripts. If you are using a screen reader, please contact [Lindsay O'Neill](#) for an alternative assignment. If you have any questions or need any help, please [contact a librarian](#).



***Pollak Library  
Orientation***



**Services &  
Collections**



**Finding  
Books**



**Finding  
Articles &  
Databases**



**Help &  
Support**

You will earn a badge for each tutorial that you complete! Once you complete all four tutorials, you will earn the Pollak Library Orientation badge!





POLLAK LIBRARY  
*Pollak Library  
Orientation*



Services &  
Collections



Finding  
Books



Finding  
Articles &  
Databases



Help &  
Support

You will earn a badge for each tutorial that you complete! Once you complete all four tutorials, you will earn the Pollak Library Orientation badge!

## Pollak Library Orientation

Earn a badge for each tutorial when you pass the final quiz with a score of 100%. Complete all four tutorials and receive the Pollak Library Orientation badge for your efforts! Earned badges will appear in your Titanium profile and will be visible to your peers and instructors.

Please complete each tutorial in one sitting: each tutorial takes 10-15 minutes to complete. **Tutorials will not work on tablets or other mobile devices.**



Pollak Library: Services & Collections



Pollak Library: Finding Books



Pollak Library: Finding Articles & Databases



Pollak Library: Help & Support



## University Archives & Special Collections

**These tutorials are for students assigned to use materials in Special Collections & University Archives!**

Earn a digital badge for each tutorial that you complete with a 100% score on the final quiz! You will earn the Rookie badge for Part 1, the Newbie badge for Part 2, and the Searcher badge for Part 3.



UA&SC Rookie




























UA&SC Newbie



UA&SC Searcher



# INSTRUCTOR: BADGE MANAGEMENT

 Pollak Library Finding Articles and Databases	Available to users	<ul style="list-style-type: none"><li>Complete: "SCORM package - Pollak Library: Finding Articles &amp; Databases"</li></ul>	552	   
 Pollak Library Finding Books	Available to users	<ul style="list-style-type: none"><li>Complete: "SCORM package - Pollak Library: Finding Books"</li></ul>	523	   
 Pollak Library Help Support	Available to users	<ul style="list-style-type: none"><li>Complete: "SCORM package - Pollak Library: Help &amp; Support"</li></ul>	506	   
 Pollak Library Orientation	Available to users	<ul style="list-style-type: none"><li>Complete ALL of: "SCORM package - Pollak Library: Services &amp; Collections", "SCORM package - Pollak Library: Finding Books", "SCORM package - Pollak Library: Finding Articles &amp; Databases", "SCORM package - Pollak Library: Help &amp; Support"</li></ul>	501	   
 Pollak Library Services and Collections	Available to users	<ul style="list-style-type: none"><li>Complete: "SCORM package - Pollak Library: Services &amp; Collections"</li></ul>	578	   

# STUDENT: BADGES IN LMS PROFILE

Badges from Titanium 2016-2017:



UA and SC Part 3 -  
Conducting Research  
at Cal State  
Fullertons University  
Archives and Special  
Collections



UA and SC Part 2 -  
Introduction to Cal  
State Fullertons  
University Archives  
and Special  
Collections



UA and SC Part 1 -  
What Are Archives  
and Special  
Collections?



Pollak Library Help  
Support



Pollak Library  
Orientation



Pollak Library Finding  
Articles and  
Databases




Pollak Library Finding  
Books



Pollak Library  
Services and  
Collections

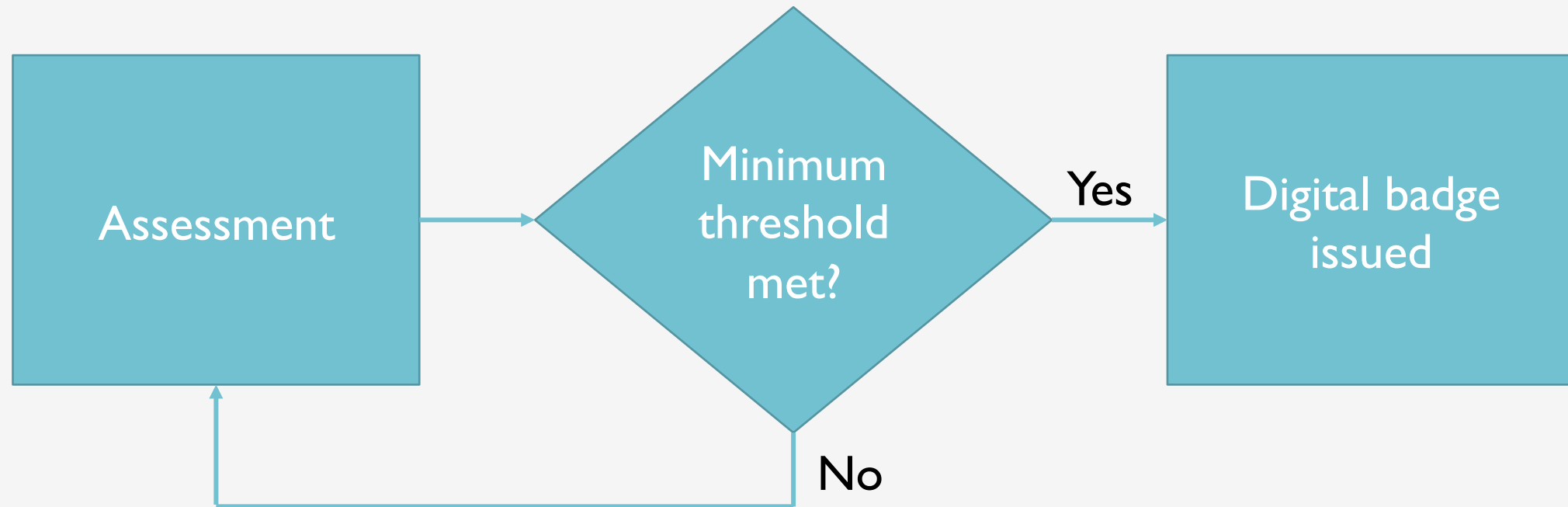
# POLL

What is SCORM?

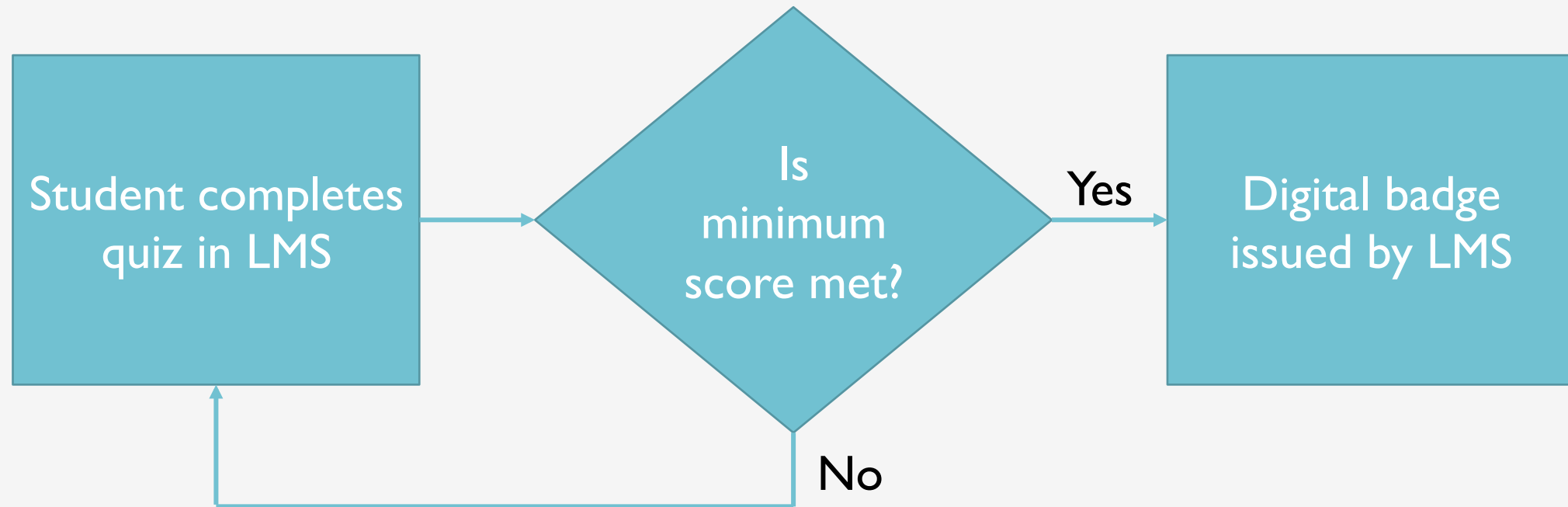


# **BADGE TECHNOLOGY**

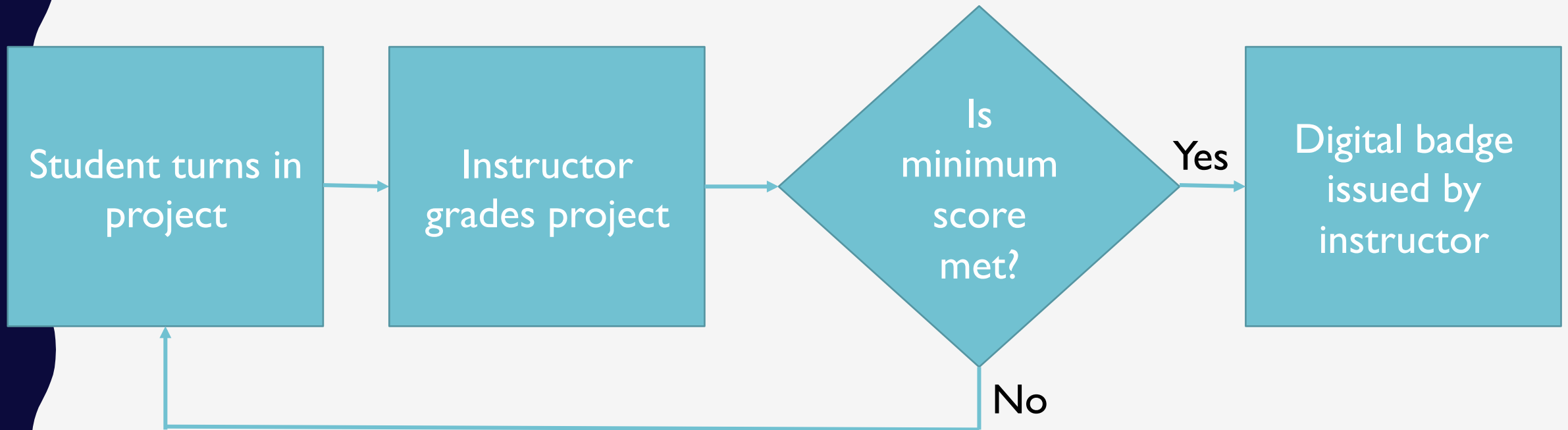
# TO ISSUE A BADGE



# EXAMPLE 1: AUTOMATIC



# EXAMPLE 2: MANUAL



# BADGE ISSUING PLATFORMS

- Use your campus LMS if it issues badges (Free)
  - Ideal, because this is where your learners already are



# BADGE ISSUING PLATFORMS

- [Purdue Passport](#) (Pay)
  - Expensive, but allows you to use institutional login, so relatively seamless for learners

# BADGE ISSUING PLATFORMS

- Use a WordPress.org site with [Badge OS plugin](#) and [LearnDash](#) (Pay)
  - Cheap-ish, and it's possible you already use WordPress for campus website

# BADGE ISSUING PLATFORMS

Ideally, choose a product that employs the [Open Badges](#) standard.



# IDENTIFY YOUR CAMPUS' LMS

- Look past your institution's branding
- Try logging into your LMS: is there useful info at the bottom of the page? Is there a help page?
- Most common LMS:
  - Moodle
  - Sakai
  - Brightspace/D2L
  - Blackboard
  - Canvas

# POLL

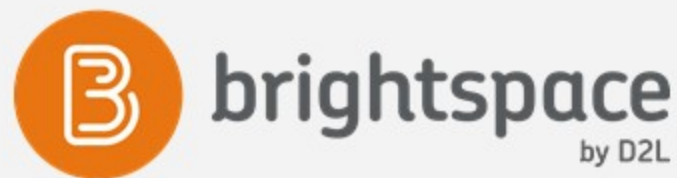
What is your Campus' LMS?

# LMS THAT ISSUE BADGES NATIVELY



## – Moodle

- Badges functionality must be added/enabled
- You must create a course and be added as a Badge Coordinator



## – Brightspace/D2L

- "Awards" tool must be enabled – issue badges or certificates
- You must create a course and add Course Awards to the course



Blackboard

## – Blackboard

- Badges functionality must be enabled
- You must create a course to issue badges

# LMS THAT ISSUE BADGES WITH ADD-ONS



canvas

- Canvas with BadgeSafe (requires programming)
- Canvas with Canvabadges (requires programming)



**totara**lms



**maħara**

- TotaraLMS with Open Badge Factory (pay option from Finnish company)
- Mahara with Open Badge Factory



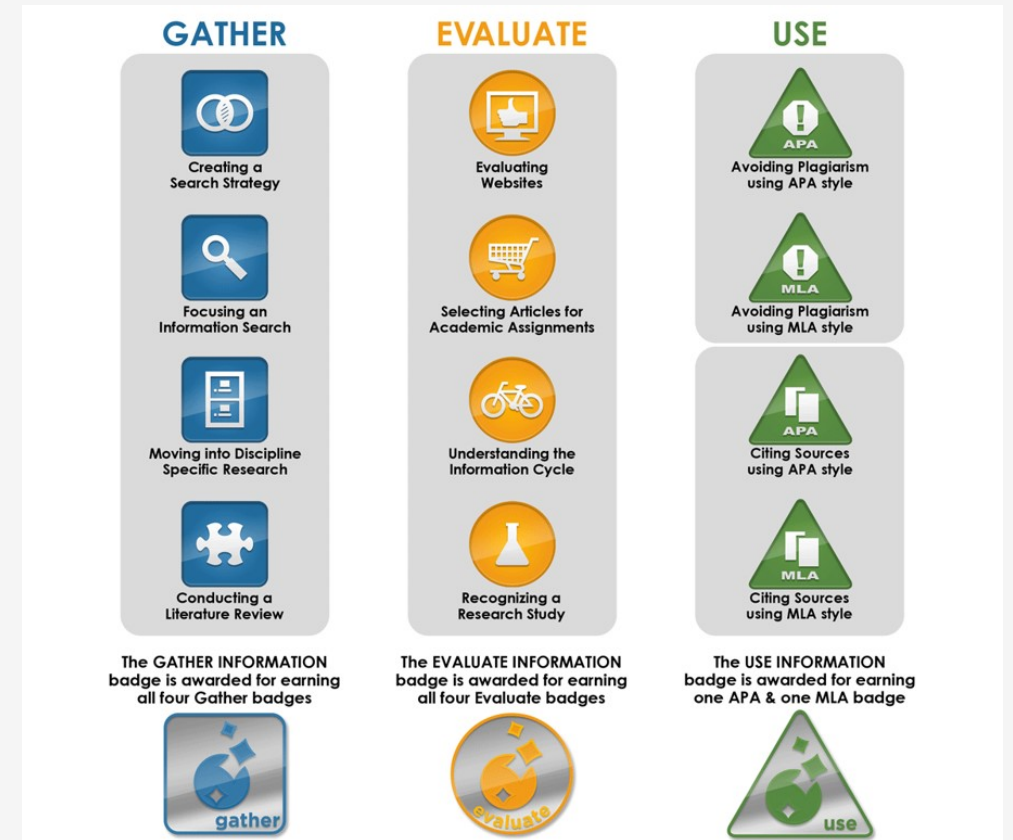
# **LEARNING OBJECT DESIGN**



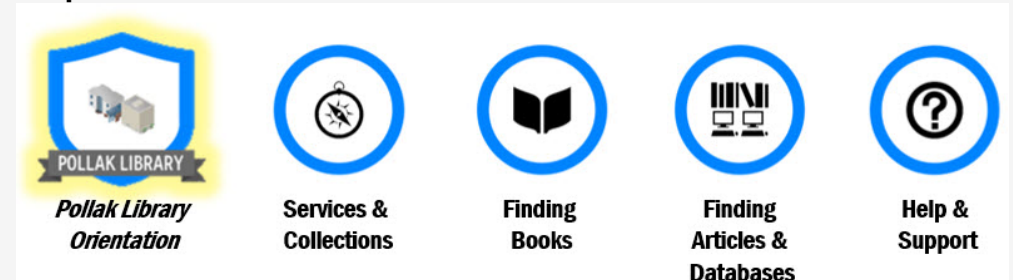
# PROGRAM DESIGN

- Start with the big picture
- Badge programs should be:
  - Hierarchical
  - Organized
- Badge art should convey meaning

## University of Central Florida





## Spark Tutorials



# CHUNK YOUR LEARNING ACTIVITIES

- Tutorials of 15 minutes or less to earn low-level badge
- Higher-level badges might take more time – but be conscientious of time to completion



**AN EFFECTIVE PROGRAM USES THE  
BACKWARD DESIGN MODEL**

# BACKWARD DESIGN

Learning  
outcomes

Assessment  
(simulations,  
scored quizzes,  
graded  
projects)

Content  
(videos,  
readings)

Practice  
(games,  
unscored  
quizzes)

# ORDER OF LEARNING ACTIVITIES

Learning  
outcomes

Content  
(videos,  
readings)

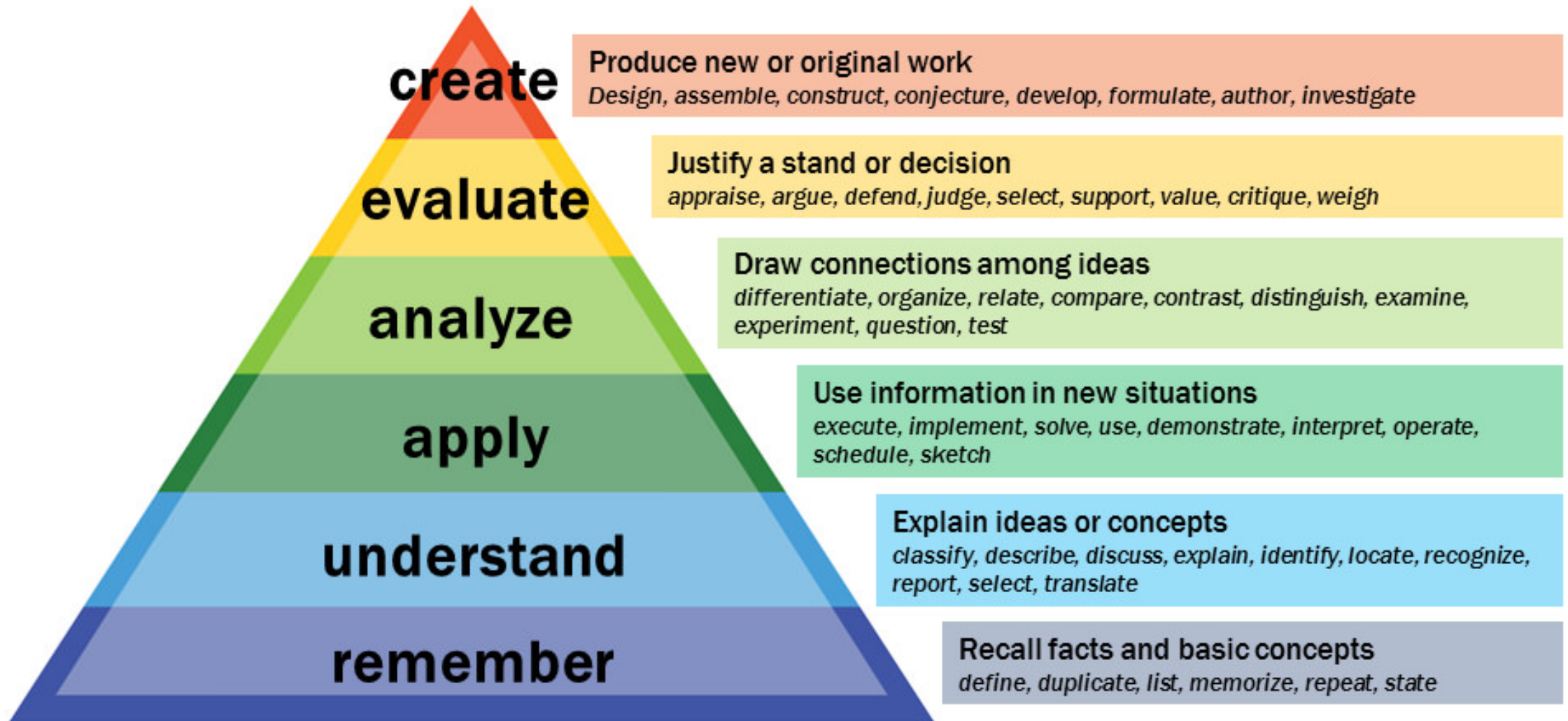
Practice  
(games,  
unscored  
quizzes)

Assessment  
(simulations,  
scored quizzes,  
graded  
projects)

# POLL

Lower-level badges work great when they take no more than \_\_\_\_\_ of work.

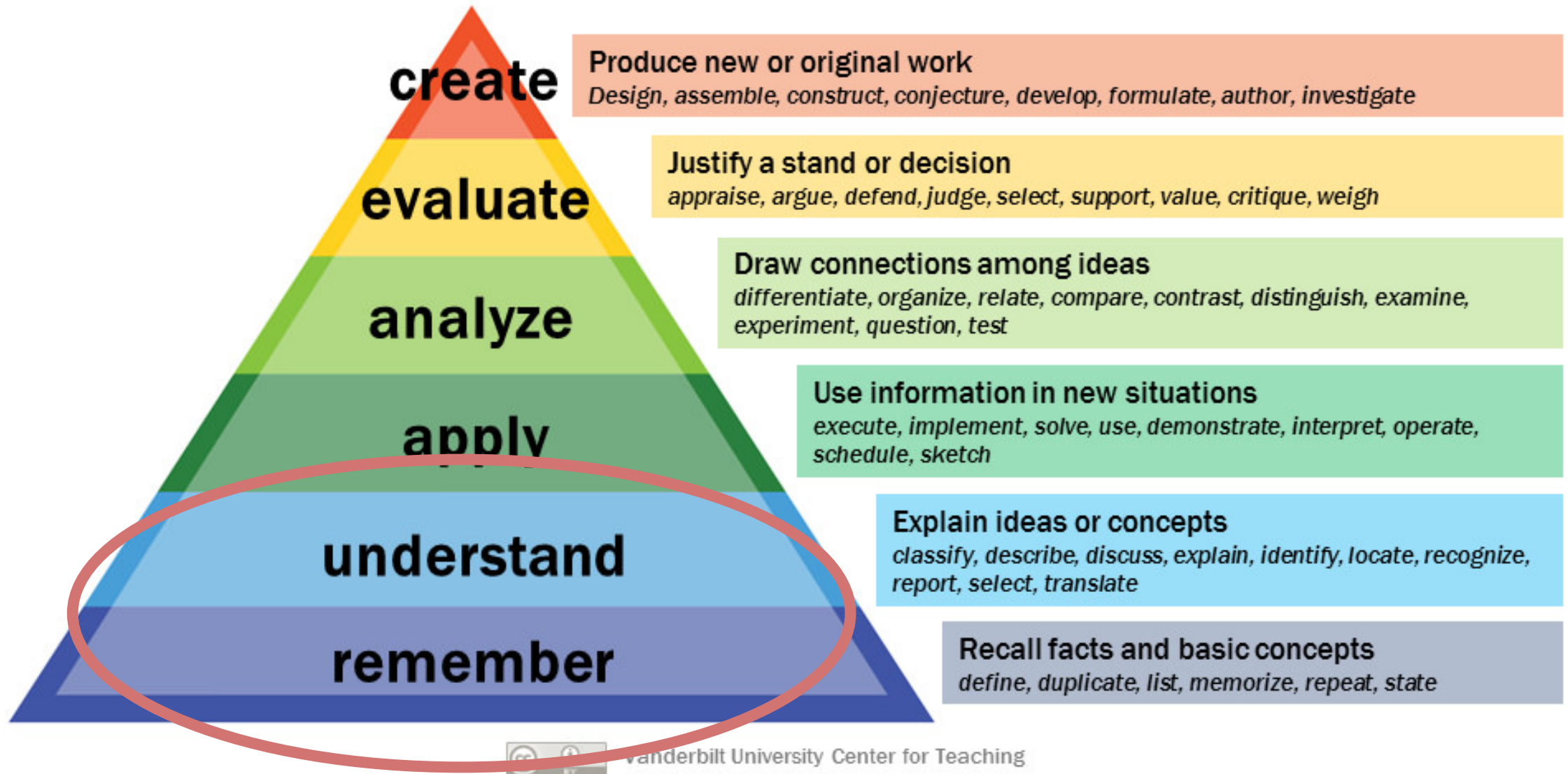
# Bloom's Taxonomy



Vanderbilt University Center for Teaching

“Bloom’s Taxonomy” by Flickr user Center for Teaching Vanderbilt University, CC-BY-4.0  
<https://www.flickr.com/photos/vandycft/2942843643/>

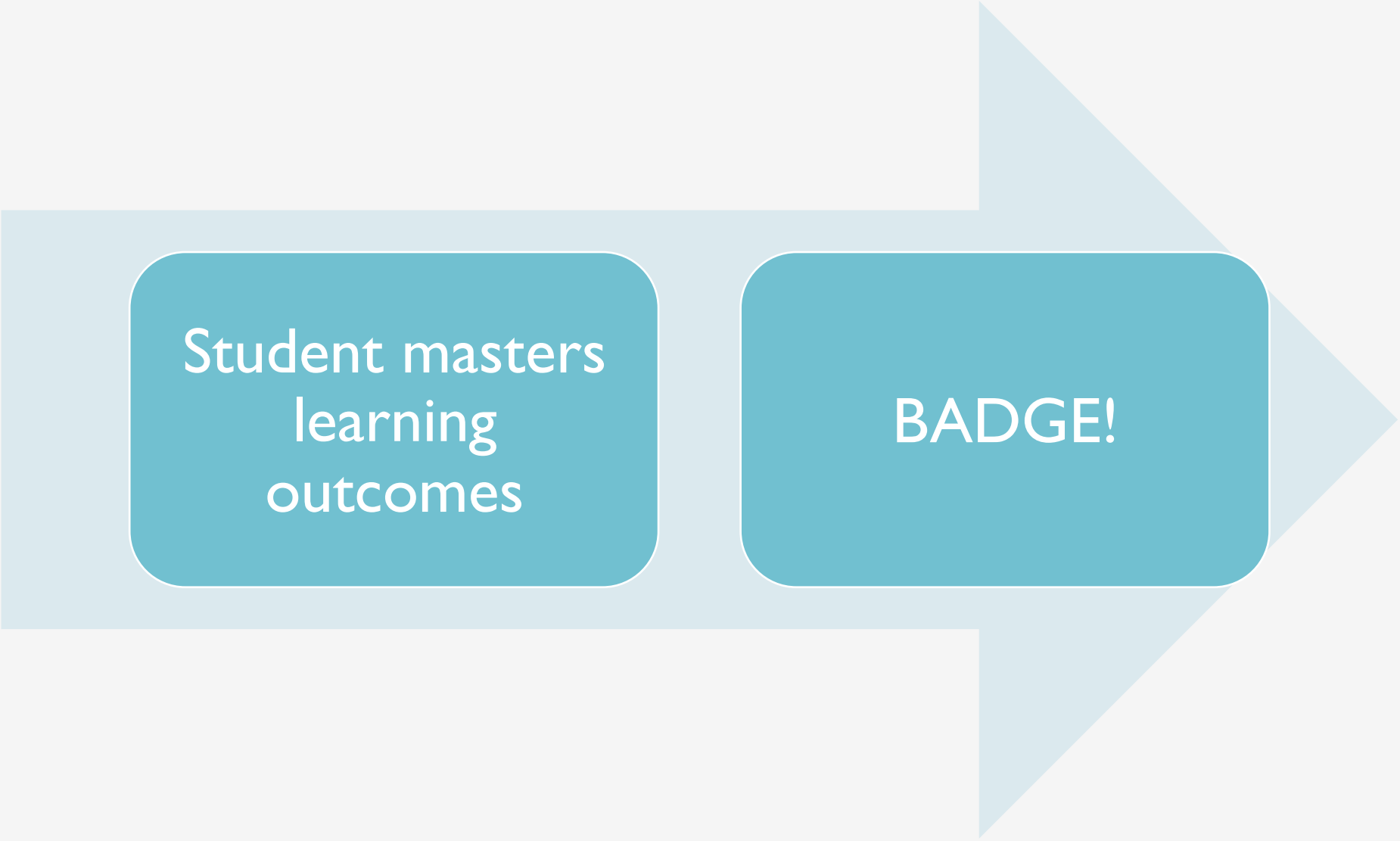
# Bloom's Taxonomy



“Bloom’s Taxonomy” by Flickr user Center for Teaching Vanderbilt University, CC-BY-4.0  
<https://www.flickr.com/photos/vandycft/2942843643/>



# DESIGN GOAL



Student masters  
learning  
outcomes

BADGE!

# AUTOMATION

- Wherever you can, automate the process!
  - Content, practice, activities
  - Grading
  - Badge issuance

# TUTORIAL DEVELOPMENT: AUTHORING SOFTWARE

- Create interactive tutorials and quizzes and package as SCORM:
  - Articulate Storyline 2
  - Adobe Captivate
  - SoftChalk
  - Lectora
- All cost \$\$\$

# TUTORIAL DEVELOPMENT: MAKING SCORM WORK

## Storyline Quiz Settings & SCORM Settings

Reporting and Tracking Options

Reporting

Tracking

LMS: SCORM 1.2

LMS Course Information

Title: Pollak Library - Services and Collections

Description:

Identifier: 5ikdtr1x0hQ\_course\_id

Version: 1 Duration: hh:mm:ss

Keywords:

LMS Lesson SCORM Information

Title: Pollak Library - Services and Collections

Identifier: Pollak Library - Services and Collections

LMS Reporting

Report status to LMS as: Passed/Incomplete

Learn more about reporting and tracking

OK

CANCEL

Result Slide Properties

Results

Options

Calculate results for: Selected questions

Question

Final Quiz - Badge

Pick One 3.3 RefDesk	<input checked="" type="checkbox"/>
Multiple Choice 3.4 When lib help	<input checked="" type="checkbox"/>
Pick One 3.5 ILL	<input checked="" type="checkbox"/>
Pick One 3.6 Check out materials	<input checked="" type="checkbox"/>
Multiple Choice 3.7 To find a particular book, go to library.fullerton.edu and click on:	<input checked="" type="checkbox"/>
Multiple Choice 3.8 Basic Search can be overwhelming! For a more targeted search:	<input checked="" type="checkbox"/>

Passing Score: 100 %

☐ End quiz after: 60 minutes

Start timer: With first slide

Timer format: Elapsed

Learn more about result slides

OK

CANCEL

## Excerpt of Moodle SCORM settings

Grade

Grading method: Highest grade

Maximum grade: 100

Attempts management

Number of attempts: Unlimited attempts

Attempts grading: Highest attempt

Force new attempt: Yes

Lock after final attempt: No

Compatibility settings

Force completed: Yes

Auto-continue: No

Auto-commit: No

# TUTORIAL DEVELOPMENT: YOUR LMS

- Don't need fancy software:
  - Build lessons and quizzes using your LMS
  - Use free online tools like Zaption to make practice activities
- Look for training on campus, or look to [Lynda.com](https://www.lynda.com)/YouTube for tutorials

# USER TESTING

- User testing.



# USER TESTING

- User testing.
- User testing.



# USER TESTING

- User testing.
- User testing.
- User testing.





# POLL

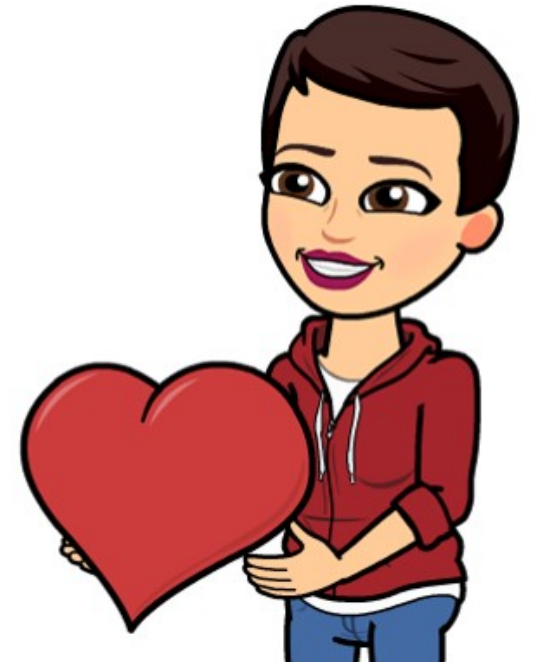
Your learning objectives should be:

A decorative graphic on the left side of the image consisting of two parallel, wavy vertical lines. The inner line is a light blue color, and the outer line is white. They are set against a dark blue background.

**TAKE IT HOME**

# NEXT STEPS

- Get into your LMS (if you're not already)
- Make friends with LMS administrators or IT
- Make friends with campus instructional designers
  - What learning activity software can you use?
- Outline your badges program THEN develop and deploy content



# QUESTIONS?

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# BEFORE YOU GO...

1. Navigate to [Socrative.com](https://Socrative.com)
2. Click *Student Login*
3. Room Name: BADGES
4. Give feedback

Slides: [jlindsayoneill.com/digitalbadges](https://jlindsayoneill.com/digitalbadges)



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