Tech-Ready Teachers

A National Consortium of Teacher Preparation Programs Certifying Teacher Readiness to Use Technology Effectively

Rick West, *Brigham Young University*

“I want to be like you!”

Gather around for a story…

BYU Context

Technology Skills for Teachers in Training

- 2012
- One class, 1 credit
- 15+ potential majors, different abilities & needs
- Taught by different departments
- Required prerequisite skills
- **How do we provide personalized learning opportunities?**
- **How do we provide extension beyond the course?**

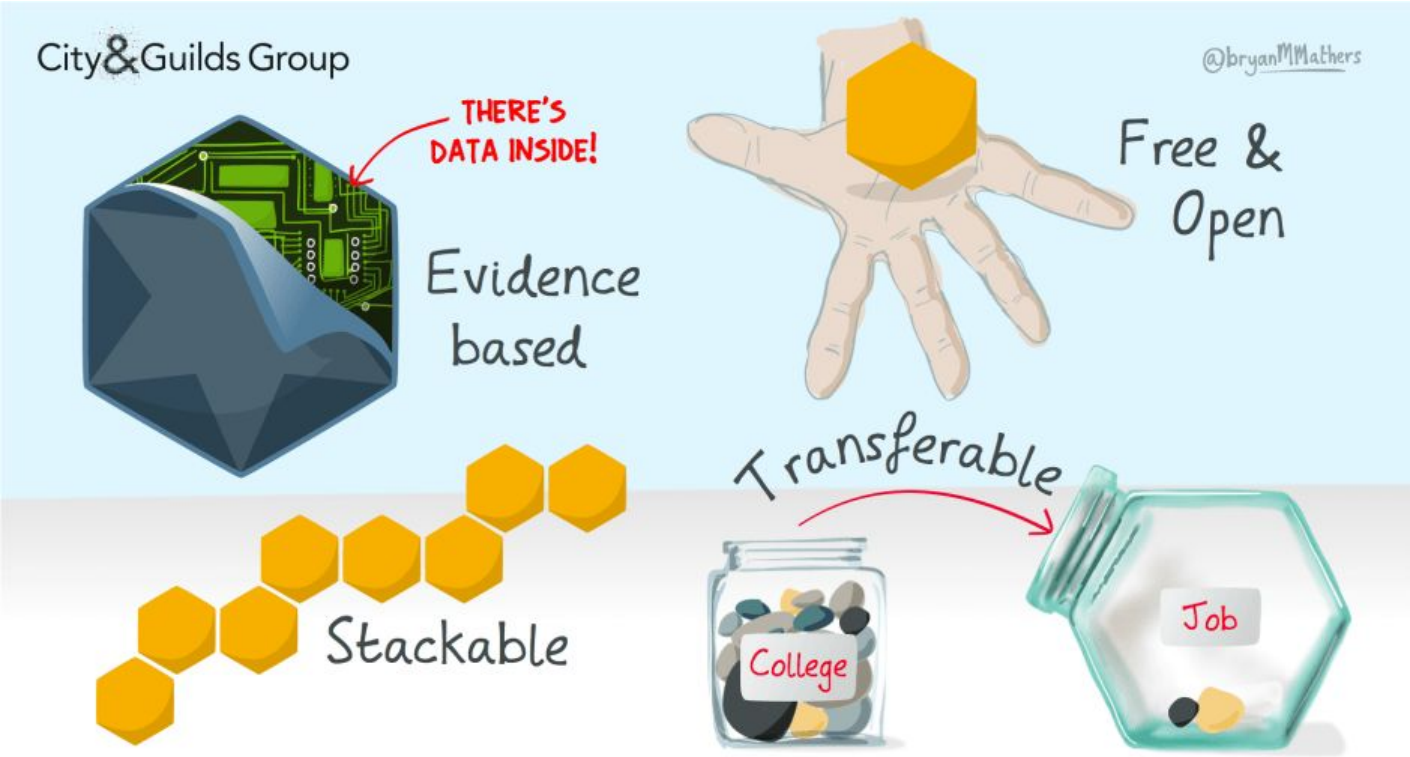
How Valuable are Transcripts?

Course #	Course Name	Grade
CS 200	Web Programming	B

- What does 200 mean? Is it equal to or less difficult than a 400-level class? What about 400-level Programming for Humanities course? Is it half of a level 400 CS class?
- Course name is vague: what skills are covered?
- What does the grade B mean?
  - Average on everything?
  - Did really well on some things and poorly on others?
    - If so, what things did they do well on?

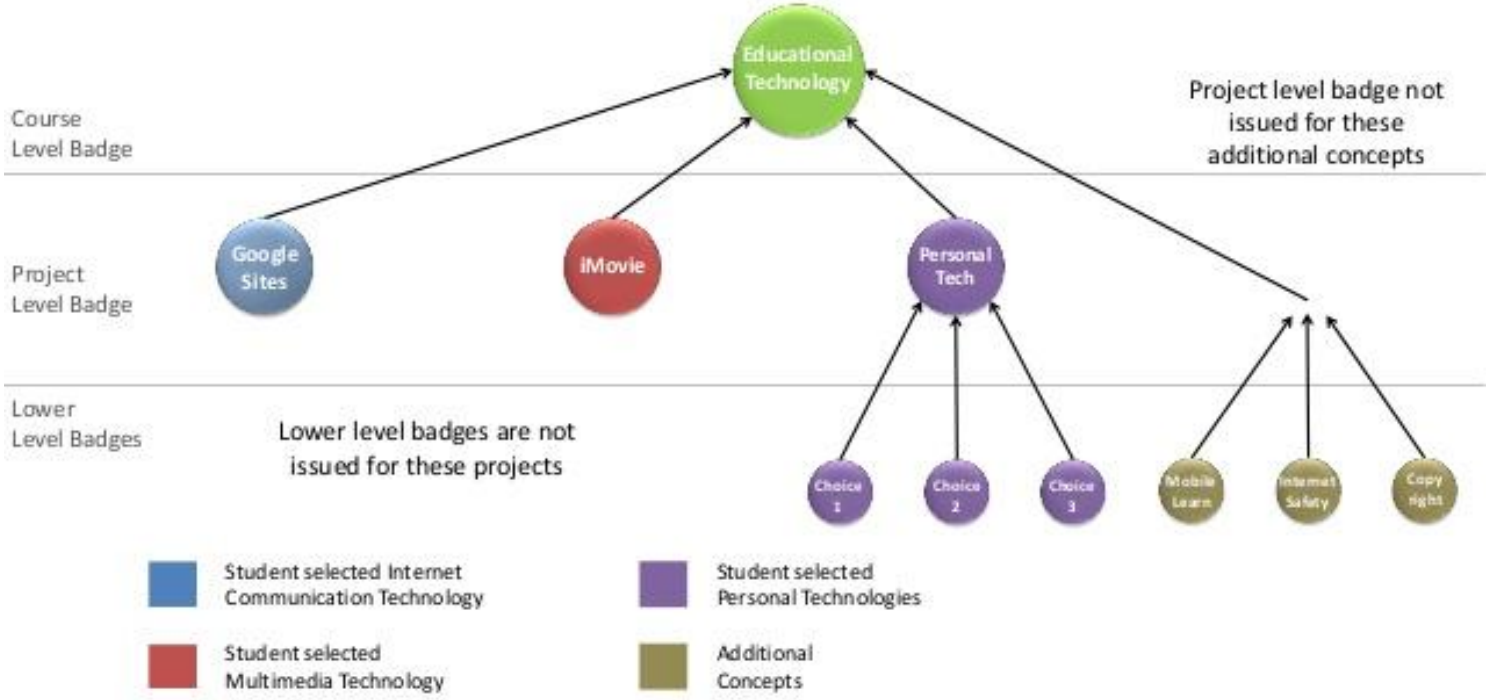
“Professor, my principal wants to have me lead on a technology initiative. Can you email him and tell him what my technology skills are?”

Then I discovered open badges...



IPT EdTec Badge System

West & Randall, 2013



Version 2.0 — badges.byu.edu — Launching Fall, 2016

Earn 7 Badges (Red required, blue options)

Digital Sources

Mobile Learning

Internet Communications

Multimedia Development

Choose 2 of 3:
- Video production
- Audio production
- Image Production

Science tools (Logger Pro, Chemlab, Biodigital Human, Physion, etc.

PE and Health tools (Studiocode, health tracking, Ubersense)

Social Science tools (Google Earth, Interactive Timelines).

English Education (iBooks Auth., Storybird, Diigo, Mendeley).

Presentation tools (Prezi, Slideshare, Voicethread, online polling).

Collaboration tools (Mindmapping, social bookmarking/networking, Creately, VT).

Management tools (Versal, Google Classroom, Canvas, EdPuzzle, etc.).

FACS Education (Urban planner, Sketchup)

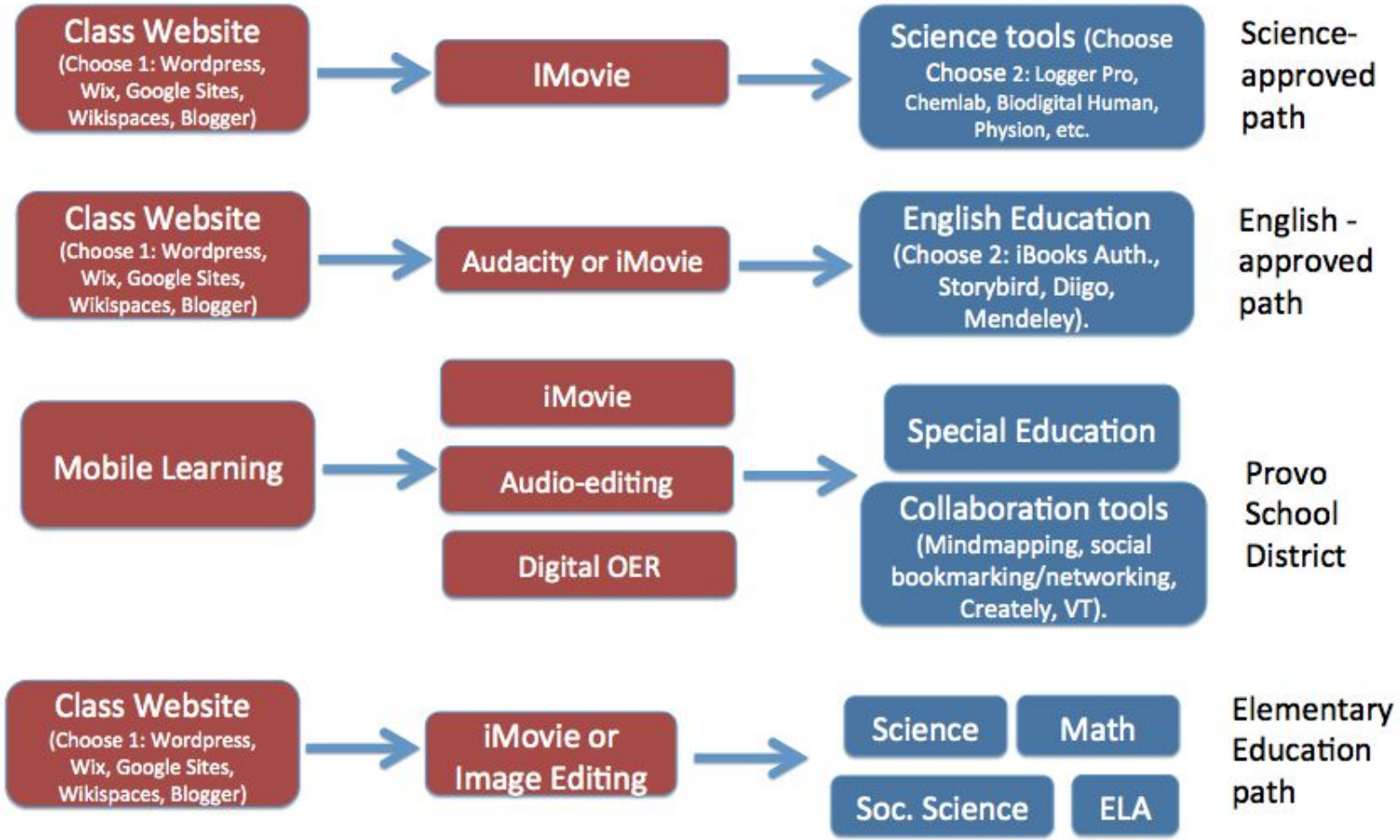
Early Childhood

Special Education

Fine Arts Education

Research Tools

Productivity Tools


Class Website
(Choose 1: Wordpress, Wix, Google Sites, Wikispaces, Blogger)
IMovie
Science tools (Choose
Choose 2: Logger Pro, Chemlab, Biodigital Human, Physion, etc.
Science-approved path
Class Website
(Choose 1: Wordpress, Wix, Google Sites, Wikispaces, Blogger)
Audacity or iMovie
English Education
(Choose 2: iBooks Auth., Storybird, Diigo, Mendeley).
English - approved path
Mobile Learning
iMovie
Audio-editing
Digital OER
Special Education
Collaboration tools
(Mindmapping, social bookmarking/networking, Creately, VT).
Provo School District
Class Website
(Choose 1: Wordpress, Wix, Google Sites, Wikispaces, Blogger)
iMovie or Image Editing
Science
Math
Soc. Science
ELA
Elementary Education path

HOW TO EARN THE

ENGLISH TEACHING - TECH SKILLS MASTER
BYU

BADGE

1
BASIC TECH, WEB, & VIDEO

EARN ALL 4:

- IET EdTec
- WEBSITE DEVELOPMENT BYU
- SCREENCASTING BYU
- INSTRUCTIONAL VIDEO BYU

2
MULTIMEDIA PRODUCTION

CHOOSE ONE OPTION:

Do 1:
- IBOOKS AUTHOR BYU

Do 2:
- AUDIO EDITING BYU
+
- PODCASTING BYU

Choose Any 2:
- INFOGRAPHICS BYU
- PHOTO EDITING BYU
- IMAGE DESIGN BYU
- DIGITAL STORYTELLING BYU
- EDPUZZLE BYU

3
PERSONAL TECHNOLOGY PROJECT

CHOOSE ONE OPTION:

Do 1:
- GOOGLE EARTH BYU

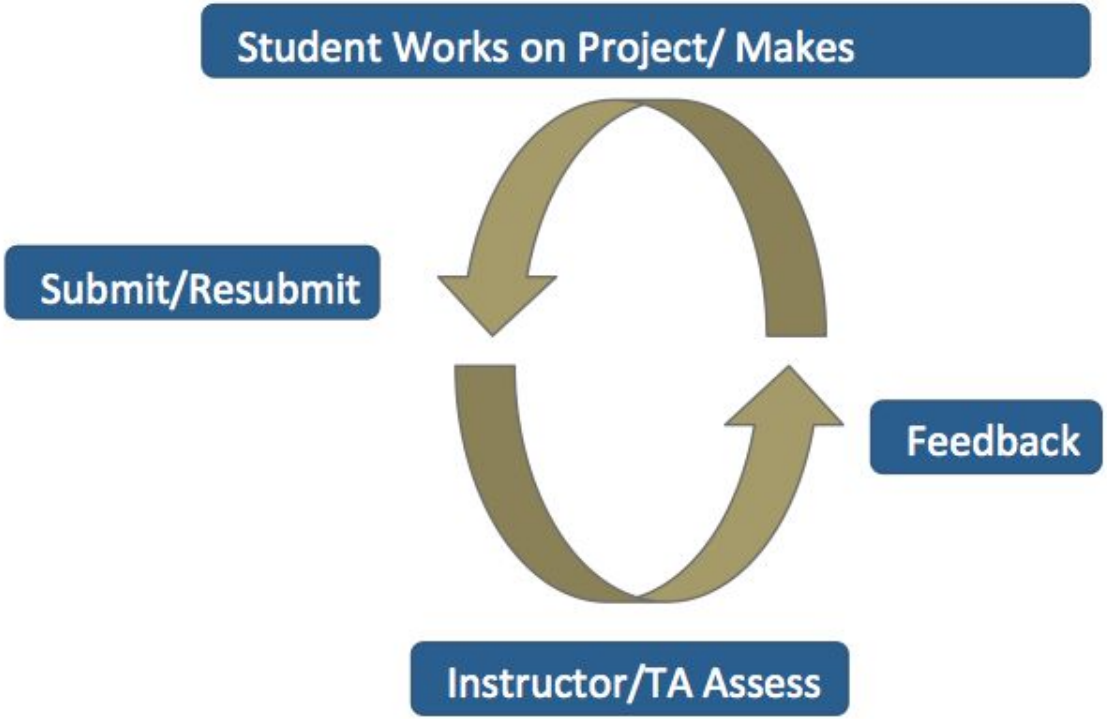
Do 1 of These:
- MIND MAPPING BYU
- INTERACTIVE TIMELINE BYU
- RESEARCH MANAGEMENT BYU
- SEARPOO BYU
- LEARNING MANAGEMENT SYSTEMS BYU

+

1 of These:
- REMIND BYU
- POLLING AND ASSESSMENT BYU
- VISUAL BOOKMARKING BYU
- INTERACTIVE WALLPAPERS BYU
- THINGLINK BYU
- INTERACTIVE FLASHCARDS BYU
- ONLINE PRESENTATION TOOLS BYU
- VIDEO CONFERENCING BYU
- VOICE THREAD BYU

Choose Any 3:
- REMIND BYU
- POLLING AND ASSESSMENT BYU
- VISUAL BOOKMARKING BYU
- INTERACTIVE WALLPAPERS BYU
- THINGLINK BYU
- INTERACTIVE FLASHCARDS BYU
- ONLINE PRESENTATION TOOLS BYU
- VIDEO CONFERENCING BYU
- VOICE THREAD BYU

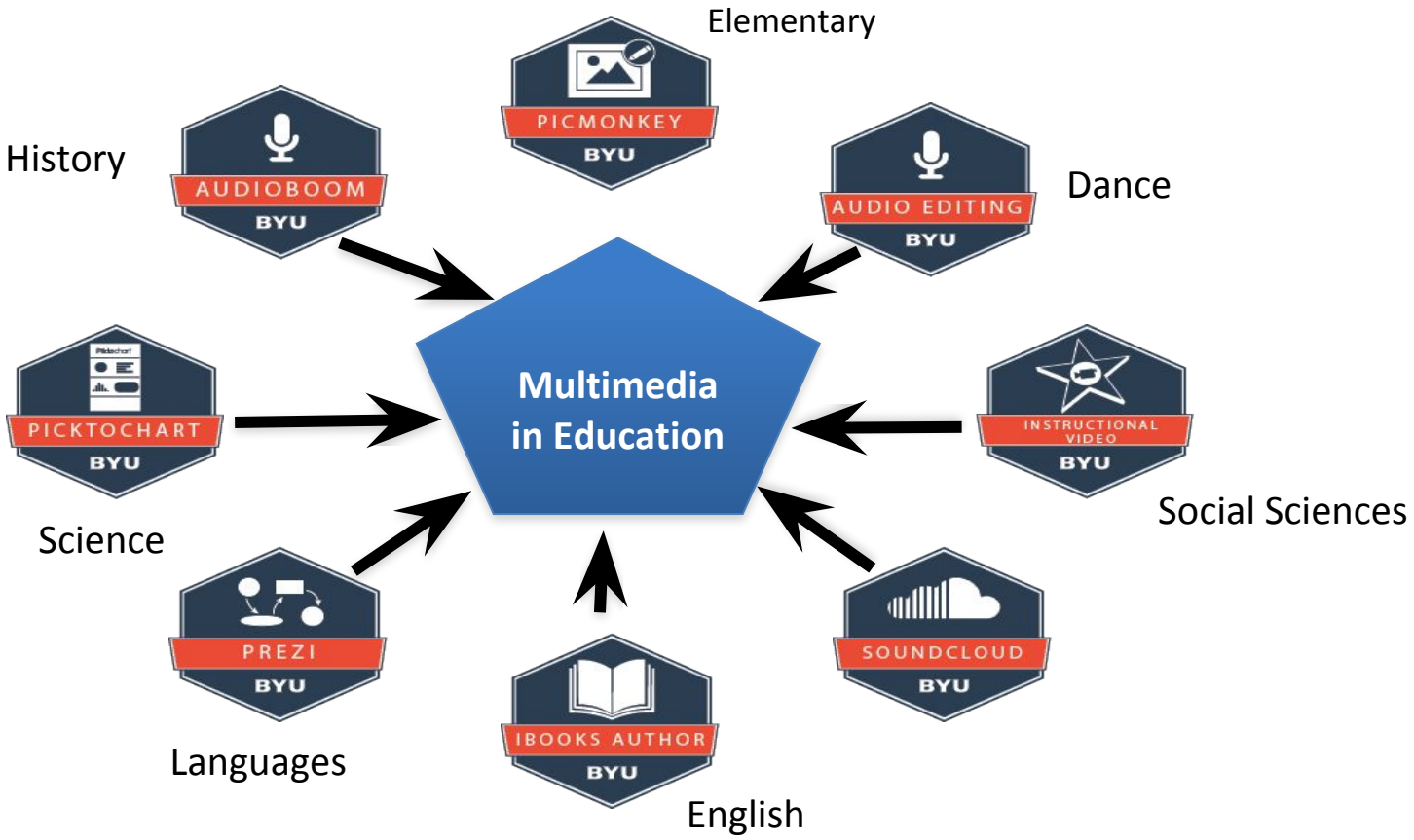
Mastery Approach

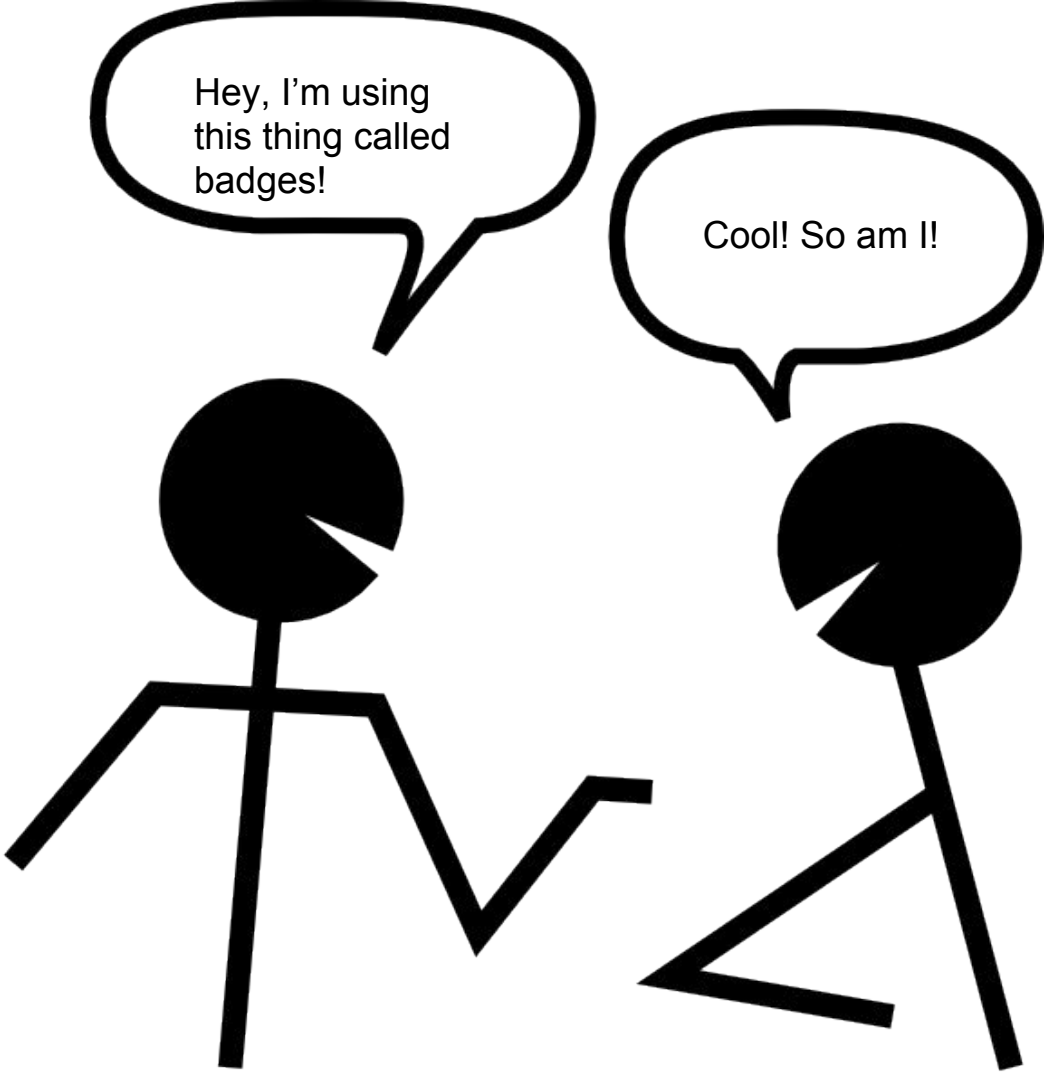


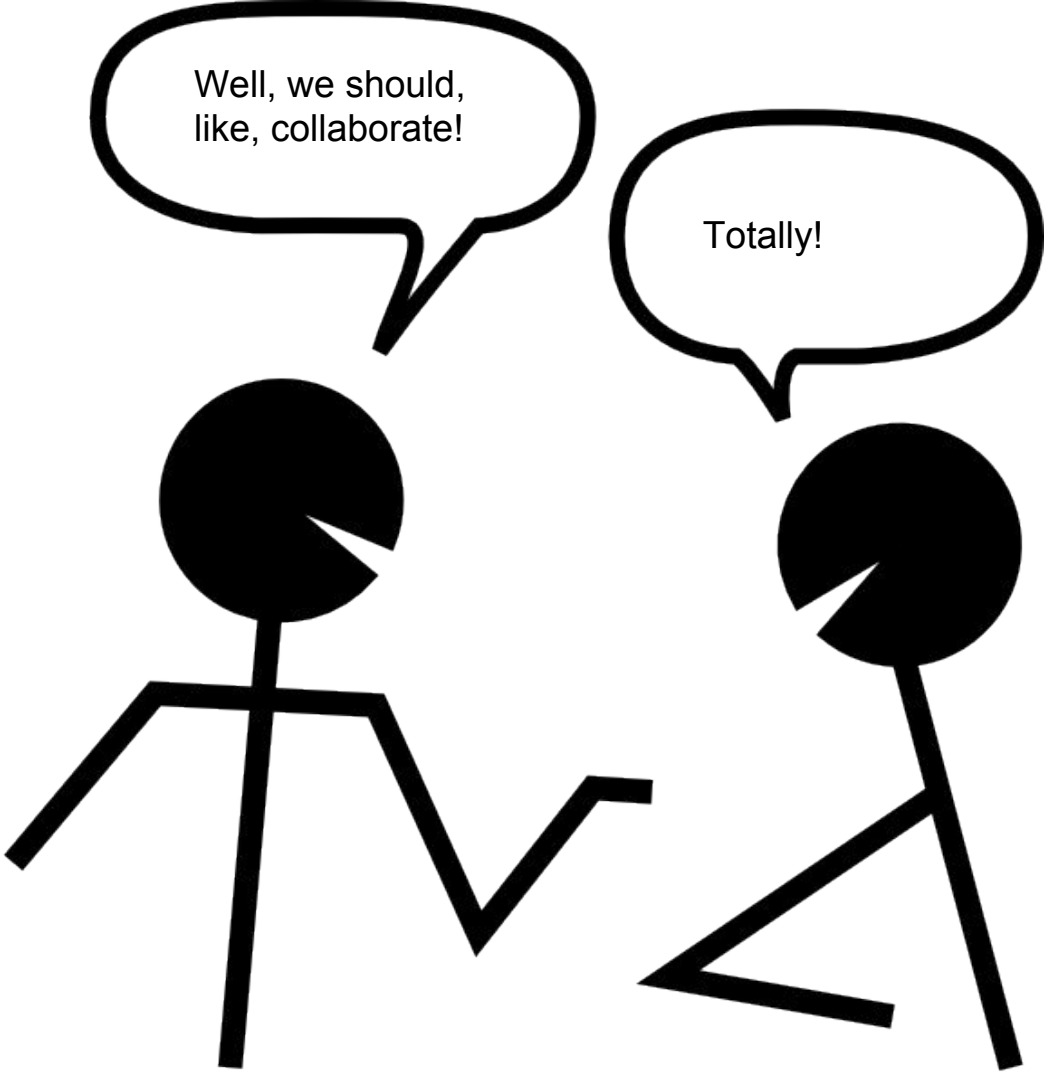
Multiple Attempts allowed

An “A” in class does not necessarily equal a badge

Intra-University Partnering




Hey, I'm using this thing called badges!
Cool! So am I!


Well, we should, like, collaborate!
Totally!

The Problems...

1. How can we share ideas with other universities?
2. What is shareable ... and what isn't?
3. **Can we start to break down walls to learner options?**
4. **How can we make these badges "matter" more?**
5. **How can we make this sustainable?**

The Solution ...

1. Open agreements & shared technology
2. Shared standards
3. Strong endorsements
4. Workload sharing

The Solution ...

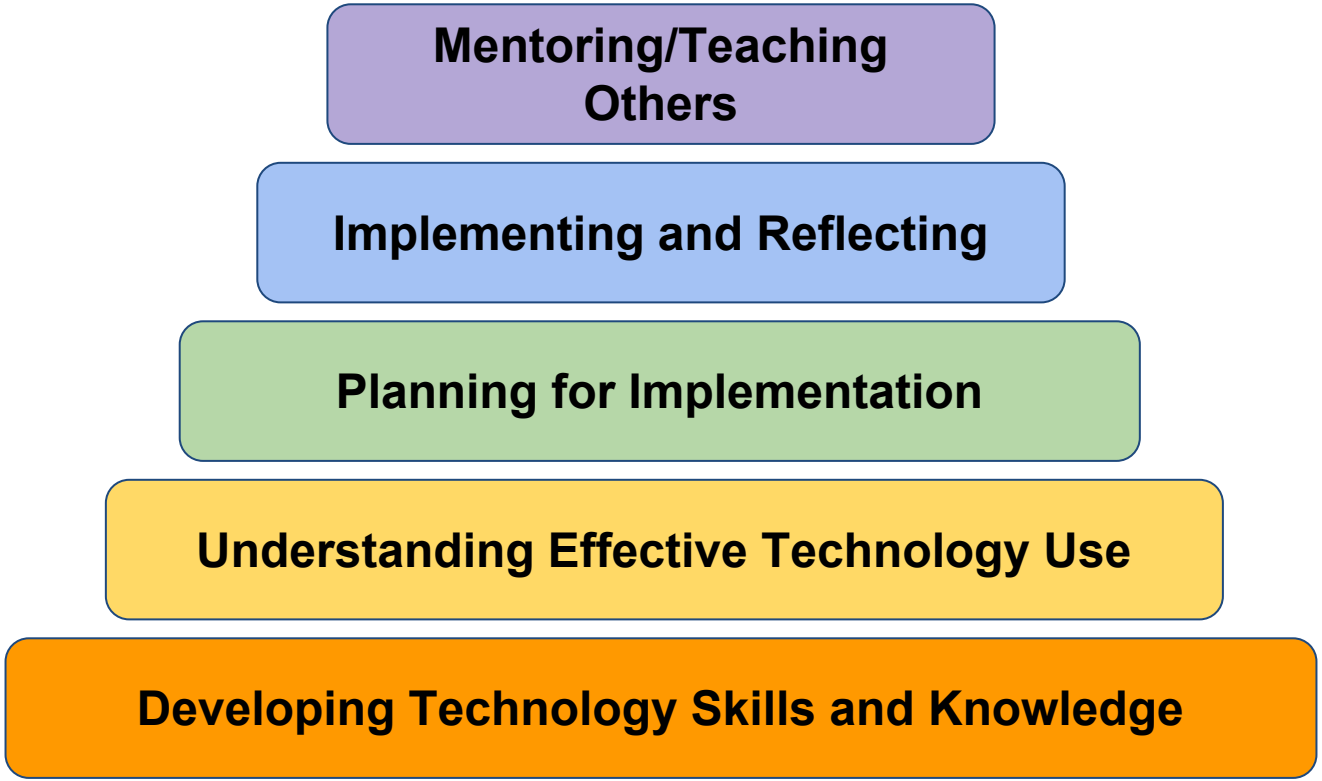
1. Open agreements

Open Agreements

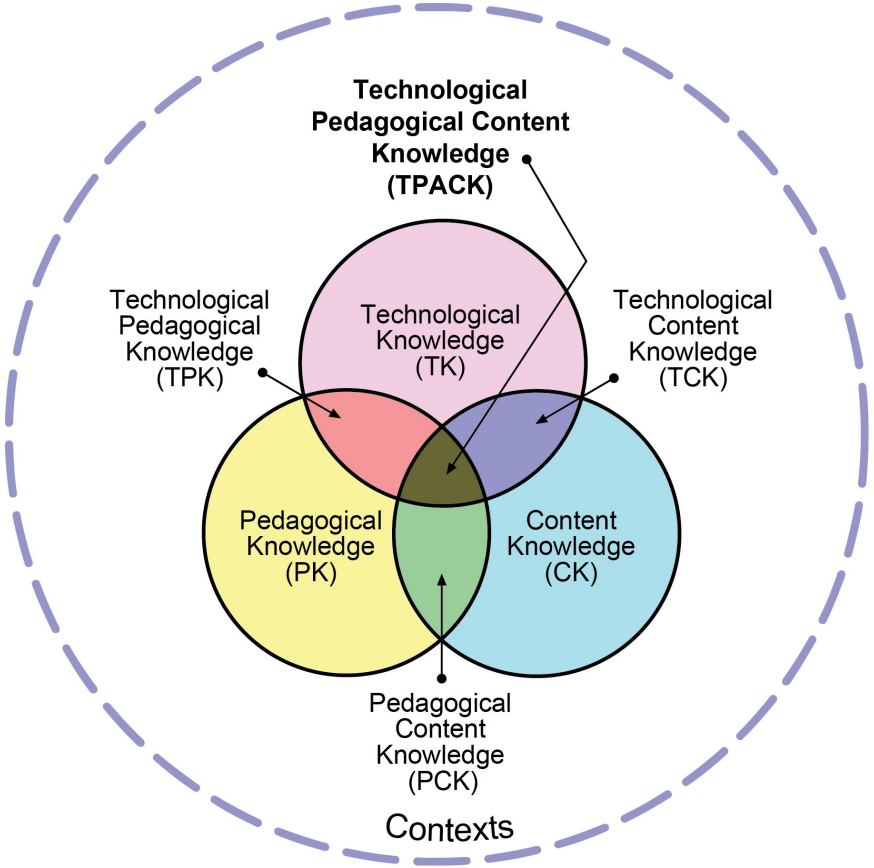
1. All badges must require *demonstrable tasks*
2. Maintain quality control in reviewing
3. All badges must collect and embed data
4. Badges should demonstrate *mastery*

Rubrics are CC
Branding is not
Agreement on the framework, individuality on the badges.

Open Agreements



From Another Perspective…



Mentoring / Teaching Others (TP^{2}CK?)

TPCK: Implementing and Reflecting

TPCK: Planning for Implementation

TPK: Understanding Effective Technology Use

TK: Developing Technology Skills and Knowledge

Shared Badge Marketplace

badgeschool.org

BADGE SCHOOL

- Home
- Library
- Issuer
- Review
- Earn
- My Account
- Logout

Edit Badge

Badge edit page. Please fill in information below and add requirements for you badge.

Badge Image

Fitness Tracking

Brigham Young University

Health

Individuals earning this badge will explore the various features associated with these two apps including weight log, diet tracker, routing exercise routes, and several social features. Users will submit two separate screencasts that will detail the features, settings, and routes.

MyFitnessPal helps users lose weight by tracking caloric intake and exercise. This simple tool allows you to add and log recipes (including meals from several dozen restaurants) to help monitor daily caloric intake. An exercise calculator enables users to track how calories are burned through various physical activities. MapMyRun focuses on helping users improve their lifestyle by tracking physical activity and nutritional information. Users can search suggested running routes, or map their own routes, and develop a workout history by tracking run distance, duration, calories burned, and other data. Additional features enables users to log food and nutritional decisions for a more complete picture of physical lifestyle.

Enter the name of an organization endorsing this badge (Optional)

Enter the url of an organization endorsing this badge (Optional)

Save Badge Info

Requirements

Click through the following panels and mark each requirement as completed when you finish. When you have finished every requirement click on 'Submit Badge'.

1. GETTING STARTED

2. CREATE A 3D MODEL

3. EXPORT & PRINT

4. SUBMISSION

1.2 Account & Lessons

Completed? ☐

EDIT

Go to Tinkercad and sign up via Facebook or create a login. When you first login, you will be directed to a page to complete lessons. Complete at least 5 of them, then take a screenshot of your home page where the lessons have a “DONE” badge on them. Include this screenshot on your submission form.

1.3 Copy and Tinker

Completed? ☐

EDIT

Look through the Gallery of designs that other users have created. Select one that you like, and click “Copy & Tinker”. Take a "Before" screenshot of your copied design, then play with that 3D image to significantly alter it, and take an "After" screenshot of your changes. Include both the "before" and "after screenshots on your submission form.

EDIT SECTION | ADD TEXT REQUIREMENT | ADD BADGE REQUIREMENT | ADD BADGE GROUP

2. CREATE A 3D MODEL

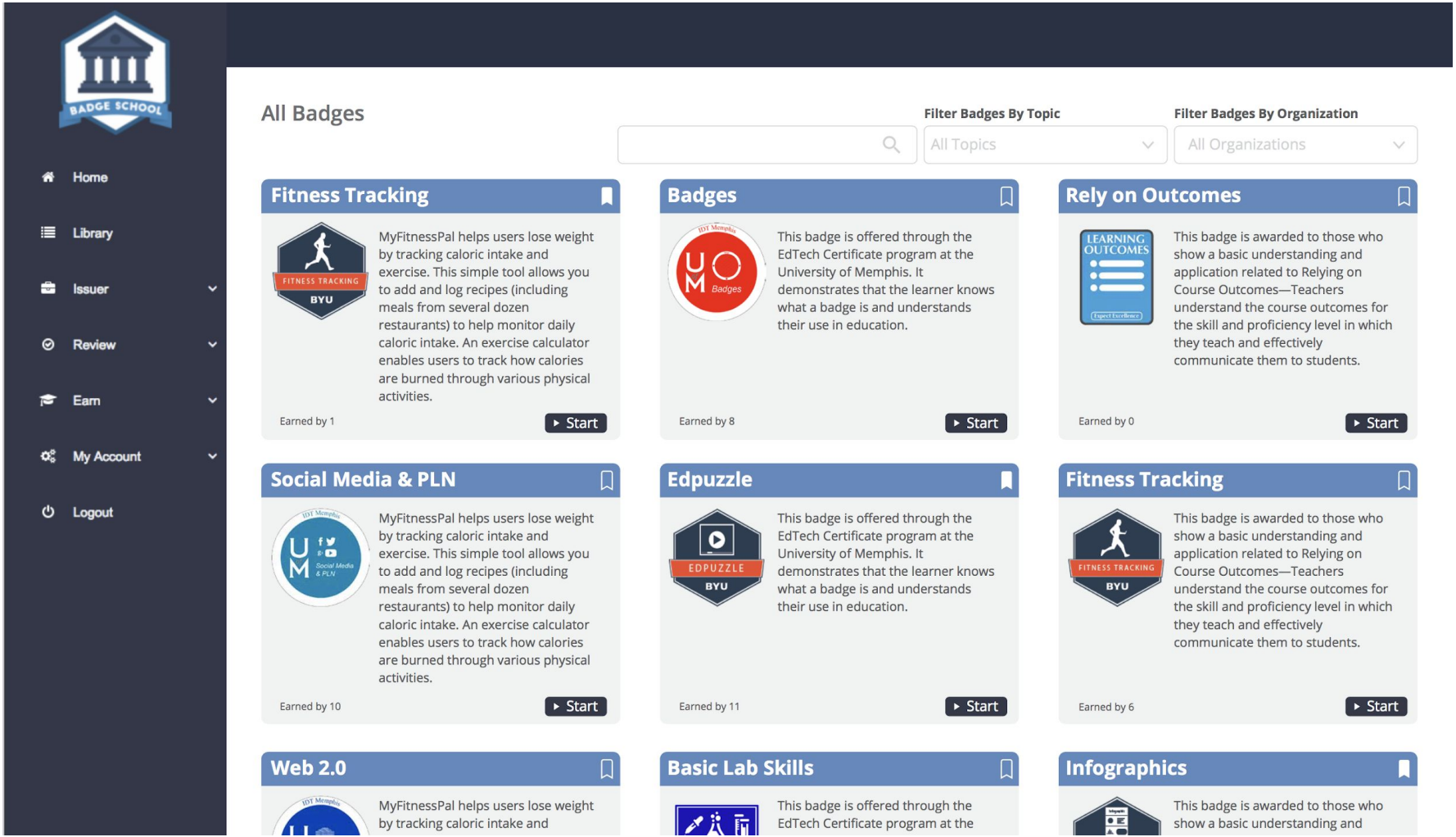
3. EXPORT & PRINT

4. SUBMISSION

START BADGE

NEW BADGE VERSION

ADD SECTION


BADGE SCHOOL
Home
Library
Issuer
Review
Earn
My Account
Logout
All Badges
Filter Badges By Topic
All Topics
Filter Badges By Organization
All Organizations
Fitness Tracking
FITNESS TRACKING
BYU
MyFitnessPal helps users lose weight by tracking caloric intake and exercise. This simple tool allows you to add and log recipes (including meals from several dozen restaurants) to help monitor daily caloric intake. An exercise calculator enables users to track how calories are burned through various physical activities.
Earned by 1
Start
Badges
Badges
This badge is offered through the EdTech Certificate program at the University of Memphis. It demonstrates that the learner knows what a badge is and understands their use in education.
Earned by 8
Start
Rely on Outcomes
LEARNING OUTCOMES
This badge is awarded to those who show a basic understanding and application related to Relying on Course Outcomes—Teachers understand the course outcomes for the skill and proficiency level in which they teach and effectively communicate them to students.
Earned by 0
Start
Social Media & PLN
Social Media & PLN
MyFitnessPal helps users lose weight by tracking caloric intake and exercise. This simple tool allows you to add and log recipes (including meals from several dozen restaurants) to help monitor daily caloric intake. An exercise calculator enables users to track how calories are burned through various physical activities.
Earned by 10
Start
Edpuzzle
EDPUZZLE
BYU
This badge is offered through the EdTech Certificate program at the University of Memphis. It demonstrates that the learner knows what a badge is and understands their use in education.
Earned by 11
Start
Fitness Tracking
FITNESS TRACKING
BYU
This badge is awarded to those who show a basic understanding and application related to Relying on Course Outcomes—Teachers understand the course outcomes for the skill and proficiency level in which they teach and effectively communicate them to students.
Earned by 6
Start
Web 2.0
MyFitnessPal helps users lose weight by tracking caloric intake and
Basic Lab Skills
This badge is offered through the EdTech Certificate program at the
Infographics
This badge is awarded to those who show a basic understanding and

Edit User Information and Roles

Tadd Farmer

| Badge Issuer | Badge Reviewer | Badge Earner |

USER INFORMATION | ISSUER ROLE | REVIEWER ROLE

Show 10 entries

Search:

	ORGANIZATION	ASSIGN
BYU	Brigham Young University	ON
	Brigham Young University - Hawaii	OFF
BYU IDAHO	Brigham Young University - Idaho	OFF
BYU	BYU Arts	OFF
	Purdue University	OFF

ASSIGN ALL | REMOVE ALL | REMOVE ISSUER

e_users#tab1-second

Edit User Information and Roles

Tadd Farmer

| Badge Issuer | Badge Reviewer | Badge Earner |

USER INFORMATION | ISSUER ROLE | REVIEWER ROLE

Filter by organization

All Organizations

Show 10 entries

Search:

	BADGE	ORGANIZATION	ASSIGN
	21st Century Skills	University of Memphis	
	3D Modeling	Brigham Young University	
	Adobe Photoshop - Basic	Instructional Psychology and Technology	
	Audio Editing	Brigham Young University	

ASSIGN ALL | REMOVE ALL | REMOVE REVIEWER

_users#tab1-first

BADGE SCHOOL

- Home
- Library
- Issuer
- Review
- Earn
- My Account
- Logout

Please select a reviewer. If no preference, select “no preference”

3D MODELING
BYU

3D Modeling

REQUIREMENT DESCRIPTION

3D printing becomes increasingly popular, and some tools to create 3D design are expensive and complicated. Tinkercad is friendly for all ages, free, and exports files that are compatible with 3D printers.

BADGE SUMMARY

This badge requires individuals to learn CAD design through a simplified program called Tinkercad. They will go through guided lessons, copy and alter an existing 3D design, and then create their own.

ENDORSING ORGANIZATION NAME

Enter the name of an organization endorsing this badge (Optional)

ENDORSING ORGANIZATION URL

Enter the url of an organization endorsing this badge (Optional)

Requirements

Click through the following panels and mark each requirement as completed when you finish. When you have finished every requirement click on 'Submit Badge'.

1. GETTING STARTED

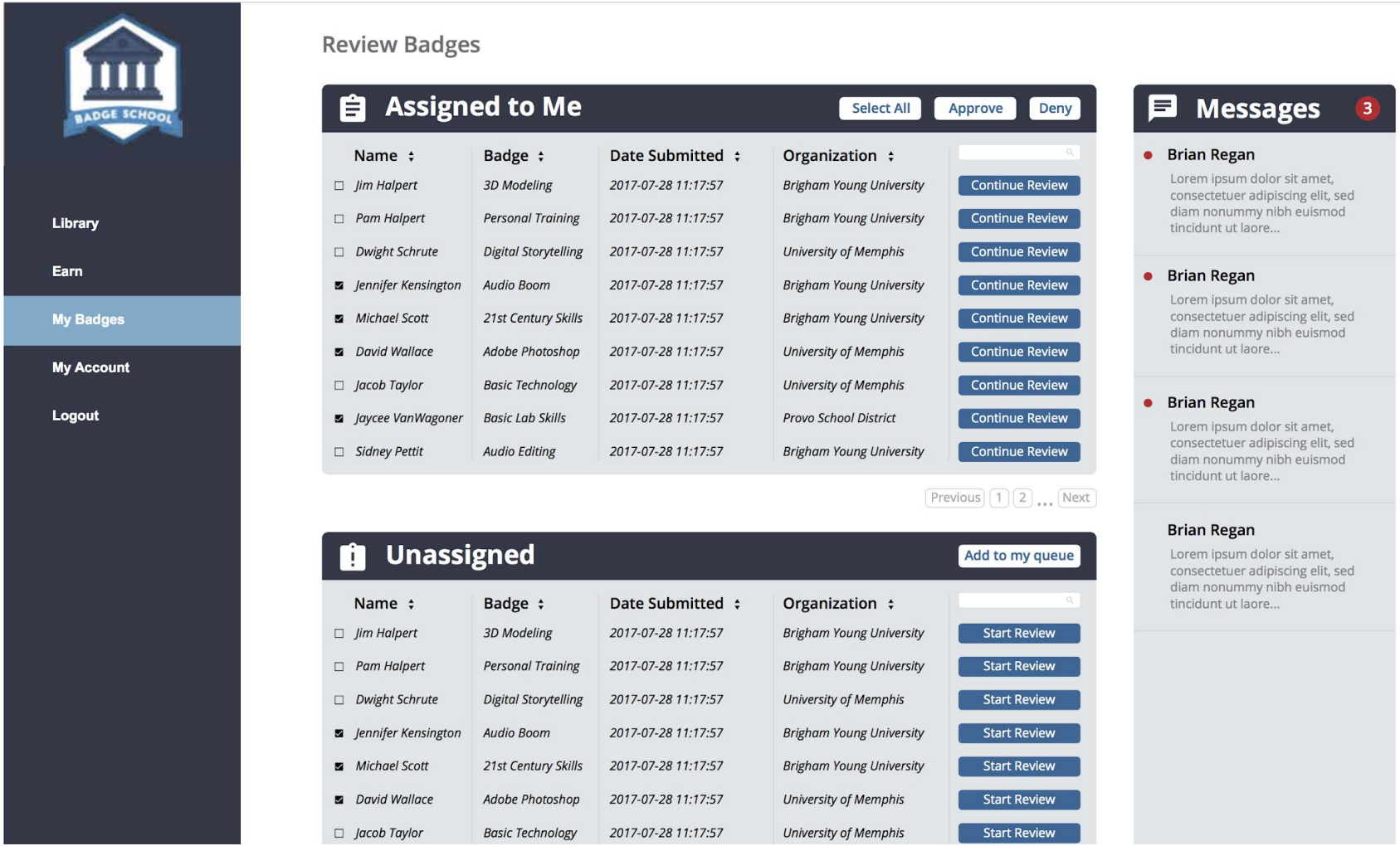
2. CREATE A 3D MODEL

3. EXPORT & PRINT

4. SUBMISSION

* Select a reviewer

Submit Badge


BADGE SCHOOL
Library
Earn
My Badges
My Account
Logout
Review Badges
Assigned to Me
Select All
Approve
Deny
Name
Badge
Date Submitted
Organization
Jim Halpert 3D Modeling 2017-07-28 11:17:57 Brigham Young University Continue Review
Pam Halpert Personal Training 2017-07-28 11:17:57 Brigham Young University Continue Review
Dwight Schrute Digital Storytelling 2017-07-28 11:17:57 University of Memphis Continue Review
Jennifer Kensington Audio Boom 2017-07-28 11:17:57 Brigham Young University Continue Review
Michael Scott 21st Century Skills 2017-07-28 11:17:57 Brigham Young University Continue Review
David Wallace Adobe Photoshop 2017-07-28 11:17:57 University of Memphis Continue Review
Jacob Taylor Basic Technology 2017-07-28 11:17:57 University of Memphis Continue Review
Jaycee VanWagoner Basic Lab Skills 2017-07-28 11:17:57 Provo School District Continue Review
Sidney Pettit Audio Editing 2017-07-28 11:17:57 Brigham Young University Continue Review
Previous 1 2 ... Next
Unassigned
Add to my queue
Name
Badge
Date Submitted
Organization
Jim Halpert 3D Modeling 2017-07-28 11:17:57 Brigham Young University Start Review
Pam Halpert Personal Training 2017-07-28 11:17:57 Brigham Young University Start Review
Dwight Schrute Digital Storytelling 2017-07-28 11:17:57 University of Memphis Start Review
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Michael Scott 21st Century Skills 2017-07-28 11:17:57 Brigham Young University Start Review
David Wallace Adobe Photoshop 2017-07-28 11:17:57 University of Memphis Start Review
Jacob Taylor Basic Technology 2017-07-28 11:17:57 University of Memphis Start Review
Messages
3
Brian Regan
Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laore...
Brian Regan
Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laore...
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Brian Regan
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BADGE SCHOOL

- Library
- Earn
- My Badges
- My Account
- Logout

Darla James

Badges Earned

INFOGRAPHICS BYU | EDPUZZLE BYU | FITNESS TRACKING BYU | INFOGRAPHICS BYU | EDPUZZLE BYU | FITNESS TRACKING BYU | INFOGRAPHICS BYU | EDPUZZLE BYU

See all >

In Progress	Description	Status	Next Step
3D Modeling	Step 1 complete. Start Step 2.		Edit
Gaming	Badge submitted...Under Review		Edit
Audioboom	Reviewer's comments		Edit
Audio Editing	Submission approved. Export to Mozilla.		Export
Biodigital Human	Submission approved. Export to Mozilla.		Export

Bookmarks

- Audio Editing
- Biodigital Human
- Gaming
- Audioboom
- 3D Modeling
- Audio Editing
- Biodigital Human
- Gaming

The Reality of Design/Development

Solution: Badgr Partnership

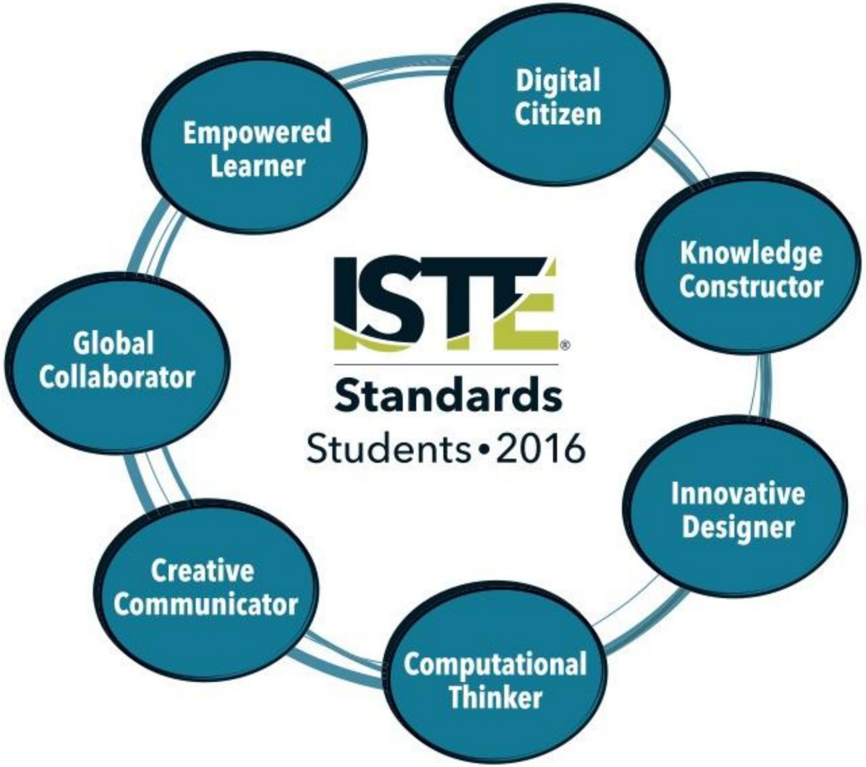
The Solution ...

1. Open agreements & shared technology
2. Shared standards

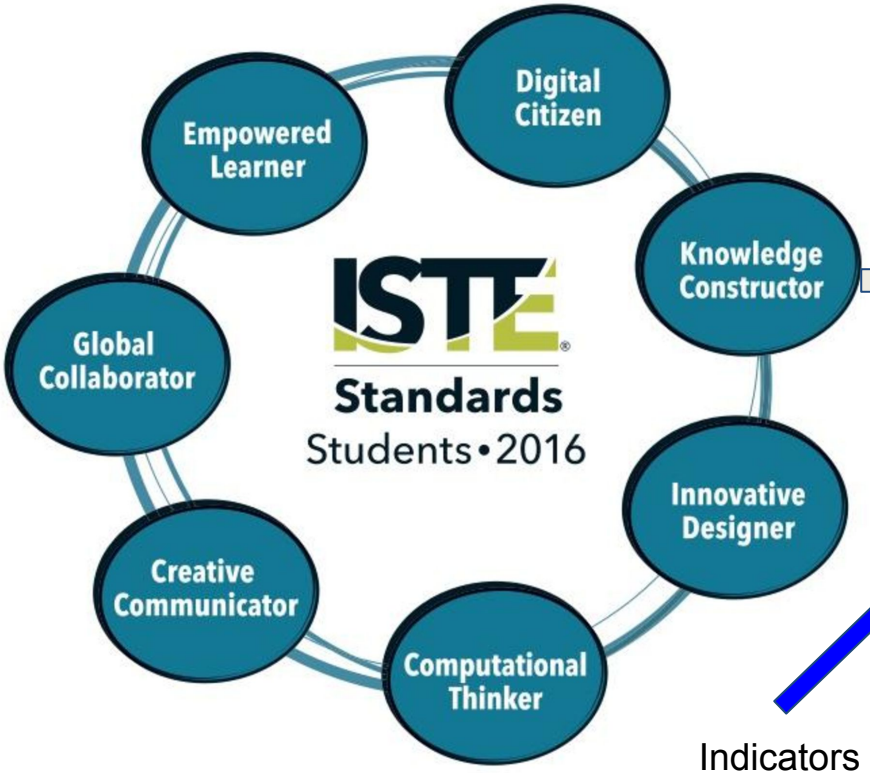
ISTE Standards: Evolving as learning environments change

1998	2007	2016
Computer lab	Laptop carts	1:1
Computer teacher	Innovative teachers	All teachers
Teacher directed	Student-centered	Learner-driven
How to use tech	Using tech to learn	Amplifying learning with tech

Current ISTE Standards



Standards are set to define desired performances.



Standard (an idea or thing used as a measure, norm, or model in comparative evaluations)

3 Knowledge Constructor

Students critically curate a variety of resources using digital tools to construct knowledge, produce creative artifacts and make meaningful learning experiences for themselves and others.

CLOSE

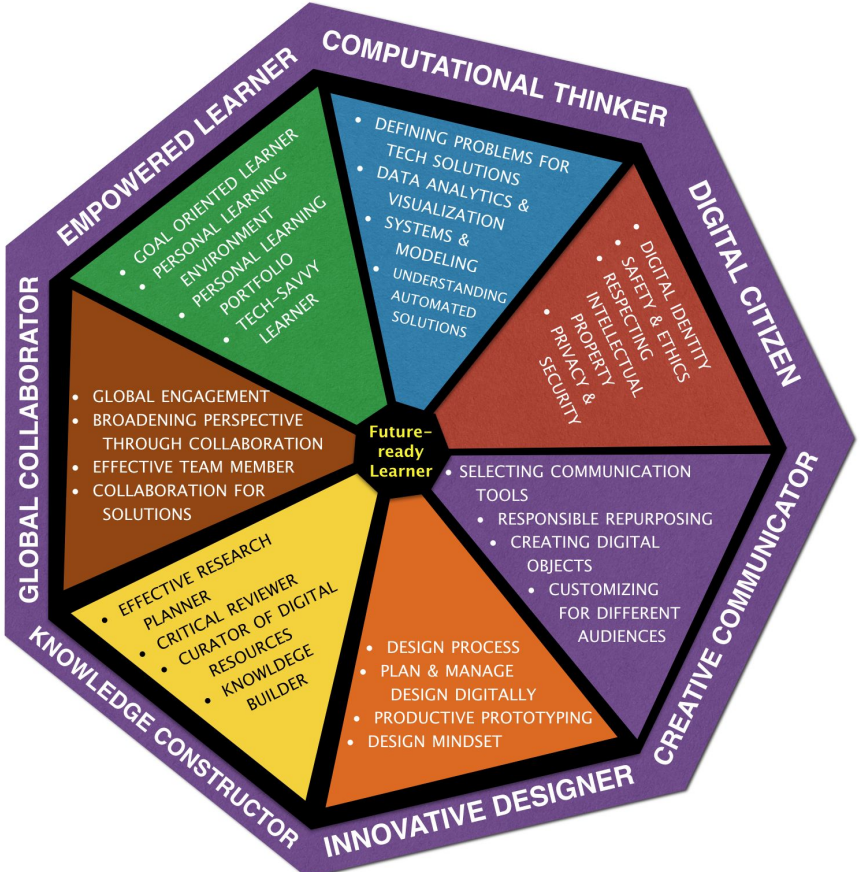
3a	Students plan and employ effective research strategies to locate information and other resources for their intellectual or creative pursuits.
3b	Students evaluate the accuracy, perspective, credibility and relevance of information, media, data or other resources.
3c	Students curate information from digital resources using a variety of tools and methods to create collections of artifacts that demonstrate meaningful connections or conclusions.
3d	Students build knowledge by actively exploring real-world issues and problems, developing ideas and theories and pursuing answers and solutions.

Indicators (what one might exhibit, if operating at standard)

We can use them as part of a “badging taxonomy” for teachers.

“And now for something completely different?”

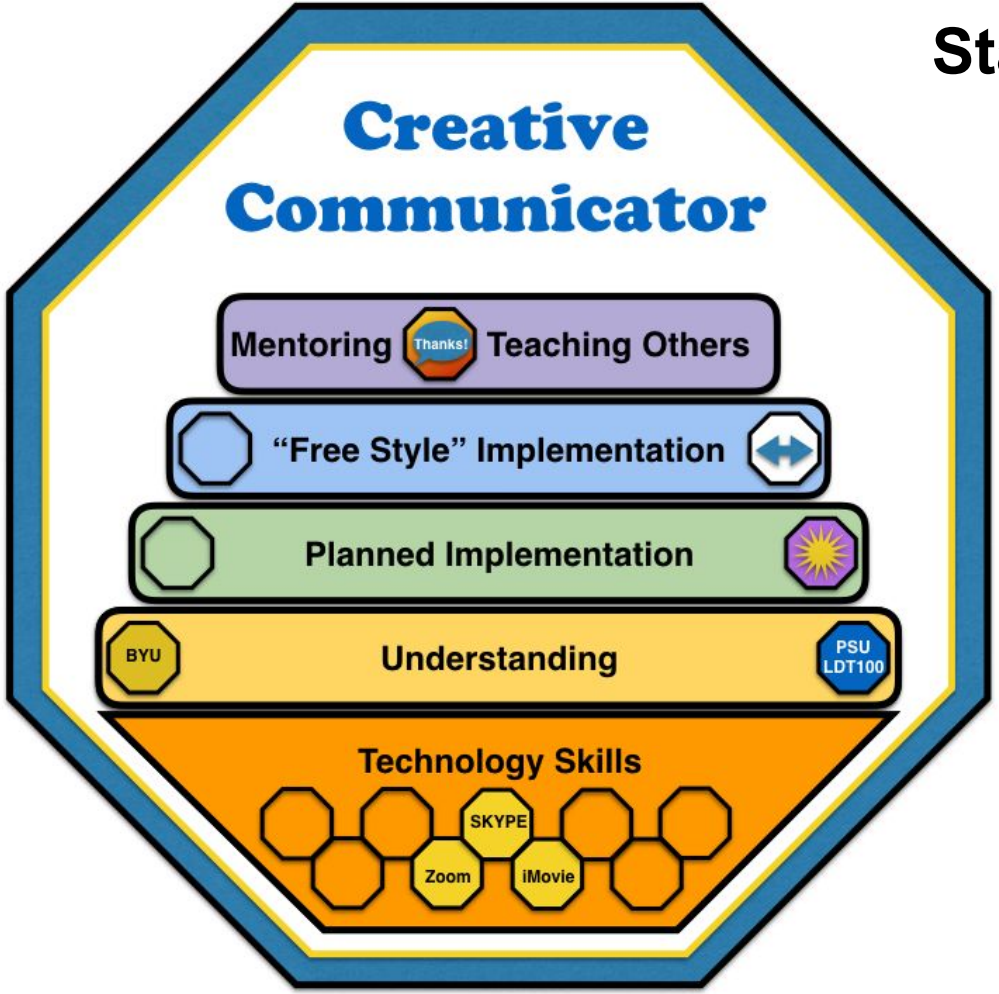
What was this game, and how did it work?



ISTE Certification Badge, comprised of:

- Empowered Learner Badge
- Digital Citizen Badge
- Knowledge Constructor Badge
- Innovative Designer Badge
- Computational Thinker Badge
- Creative Communicator Badge
- Global Collaborator Badge

Standards-based Badge



E.G. Empowered Learner

Evernote: This note-taking and archiving tool allows you to capture and note full webpages or excerpts. You can take notes and save and annotate web pages, images, audio recordings, etc., and sync the files across all your devices. The archiving function allows you to categorize, tag, and search your notes.

Research Management: Individuals interested in earning this badge will install a free research management desktop program and associated bookmarklet. Badge earners will add multiple documents into their library, add notes and highlights, learn how to insert or expert a citation and bibliography (and share a library with other users.

Productivity Tools: This badge is offered through the EdTech Certificate program at the University of Memphis. It demonstrates that the learner has shown proficiency in creating documents using Google Docs, Google Sheets, Google Slides, and Google Forms. Specifically, the learner has included all of the advanced elements for each productivity tool, and has completed them perfectly.

Developing Technology Skills and Knowledge

E.G. Empowered Learner

21st Century Thinking: This badge will demonstrate your understanding of 21st Century learning over the course of two modules. You will be required to complete two modules pertaining to 21st Century Skills to obtain this badge. You will demonstrate knowledge of 21st Century Skills with the use of technology tools.

Understanding Empowered Learning

- Describe the need for a teacher to be a lifelong learner.
- Identify the key attributes of a teacher who is a continuous learner.
- Identify important types/categories of technology that facilitate continuous/lifelong learning.
- Identify and describe the key elements of a professional learning network.
- Identify how technology can be used to a) access and apply relevant pedagogical approaches to enhance student learning; b) participate in local and global learning networks for professional growth and learning; and c) stay current with research.

Understanding Effective Technology Use

Developing Technology Skills and Knowledge

Scenario assessments: Your department head has asked you to create a mentoring program for the new faculty members. The key part of the mentoring program needs to focus on helping them identify the technology that will be most useful to them. Create a proposal of the mentoring program and briefly describe each of the key features.

E.G. Empowered Learner

Lesson Planning: This badge will demonstrate your proficiency writing lesson plans in the MTVT format. For the first lesson plan you will begin the MTVT process. For the follow up assignment, you will integrate technology learned in the course. Peer review is also involved in this component.

Planning for Implementation

Understanding Effective Technology Use

Developing Technology Skills and Knowledge

Scenario planning: 1. Your department chair knows you have an interest in self-regulation. He wants you to produce a lesson plan that shows: 1) how this is done for your selected classroom of students – give a sample lesson and 2) create an outline of an in-service lesson for the teachers in your school.

2. Your school district covers a wide area with 3 different high schools. Several teachers in each have been asked to form a committee to review the current curriculum. To get a good start, create the following:

A list of technologies that will help in this process

A basic plan on what would be taught to make sure all committee members have the knowledge and skills needed

An email to all of your committee members explaining the need for a professional learning network

E.G. Empowered Learner

Implementing and Reflecting

Planning for Implementation

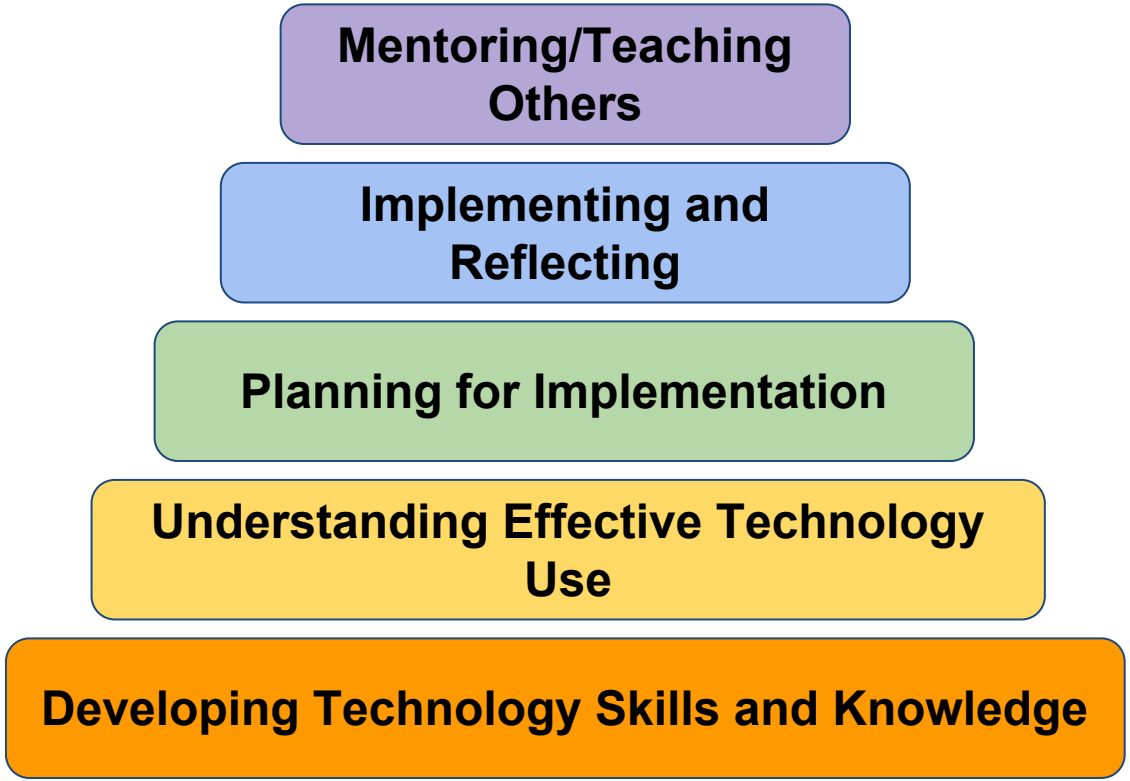
Understanding Effective Technology Use

Developing Technology Skills and Knowledge

Show data of successful implementation: 1. Create a digital portfolio showing your efforts designing activities for students that teaches them to be empowered learners. Include any evidence that your students have successfully learned these skills.

2. Create a digital portfolio showing your own efforts to be an empowered learner, along with links to your artifacts, technology profiles, and professional learning experiences and tools.

E.G. Empowered Learning



Show data of successful mentoring of other teachers in these skills:

1. Design, implement, and evaluate learning experiences for other teachers and students that enhance their abilities to identify, select, and use technology within their own personal learning networks.

2. Mentor a set of teachers on how to effectively use technology to help stay current with research on student learning pedagogies.

The Solution ...

1. Open agreements & shared technology
2. Shared standards
3. Strong endorsements

Strong Endorsements

- Reviewed every 5 years by 2 reviewers
- Must represent acquired skills
- Skills aligned with AECT mission
- Requires demonstrable evidence
- Reviewing reliability/validity
- Openly licensed
- Uses metadata

aect

Association for Educational Communications and Technology

Other Endorsements?

- Departments of Education?
- Other professional organizations?
- Local school districts?

The Solution ...

1. Open agreements & shared technology
2. Shared standards
3. Strong endorsements
4. Workload sharing

Workload Sharing

Instructional Design Assistants

IDAs: Undergrads with subject matter expertise, trained to develop badges

Question: Can they do the job?

Yes!

Experts scored rubrics for

1. spelling/grammar;
2. demonstrable tasks
3. Rigor/comprehensiveness
4. Clarity
5. Adoptability

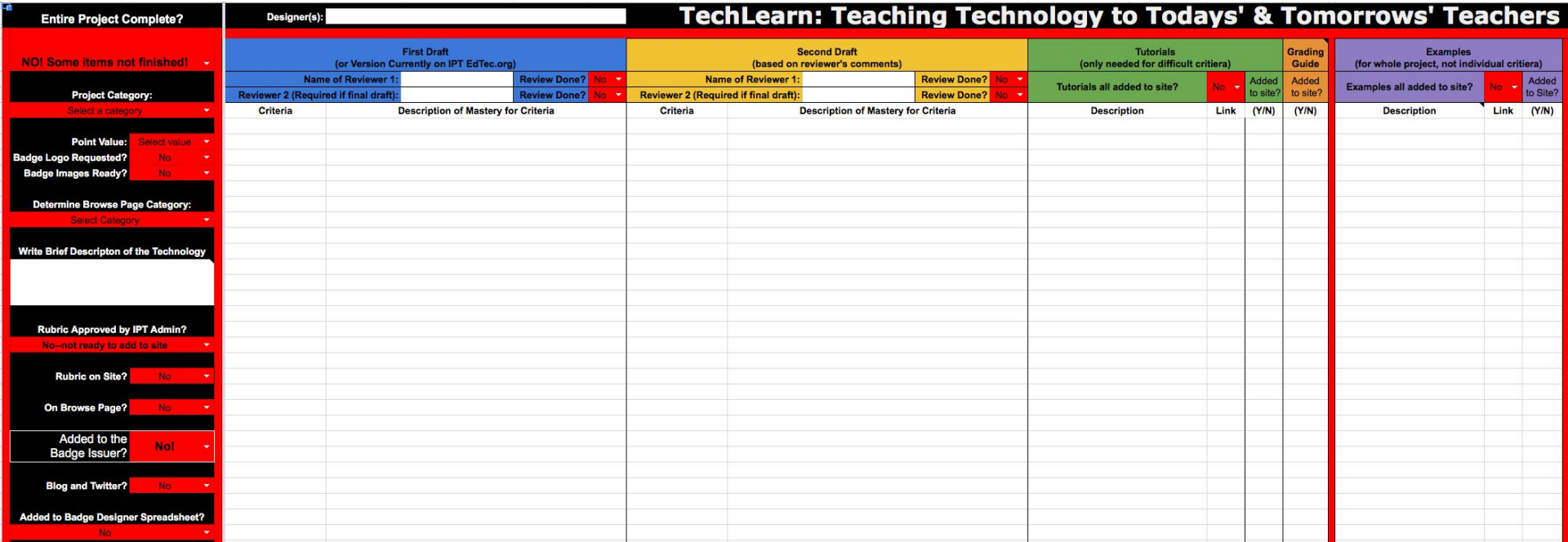
Summary of Ratings for Each Group of Rubrics

Instructors or IDA	Large or Small Rubric	Average Total Score
Inst. (excluding Logger Pro)	Large	17.8
IDA	Large	18.1
Inst.	Small	19
IDA	Small	19.2

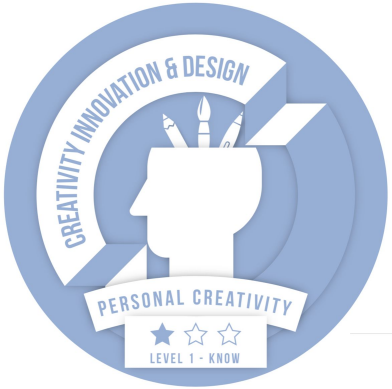
"the IDAs appear to have done as well, if not better, than our instructors who were experienced badge designers"

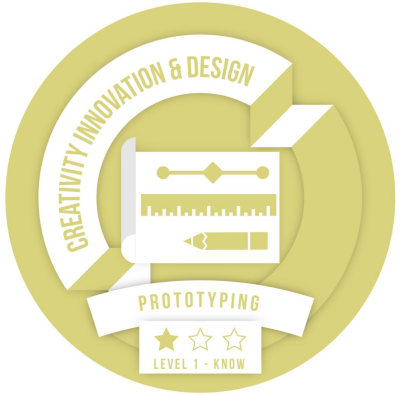
How?

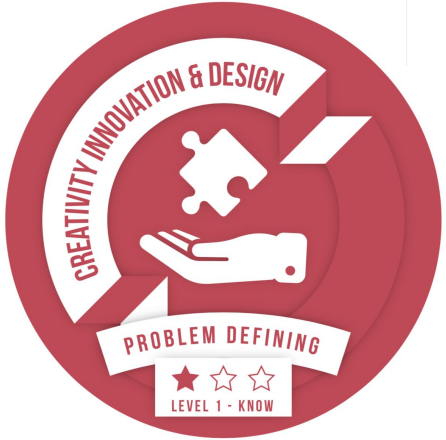
Mentoring; Prior experience; Concurrent TA opportunities

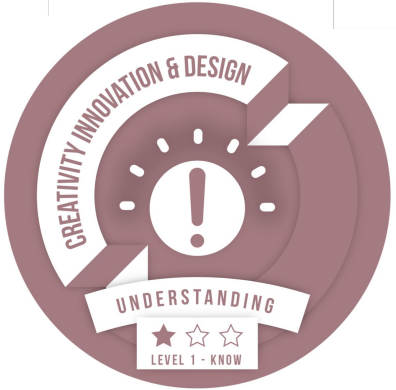


Next Project:
Interdisciplinary Design Thinking









Current Challenges

1. University-level approval

Current Challenges

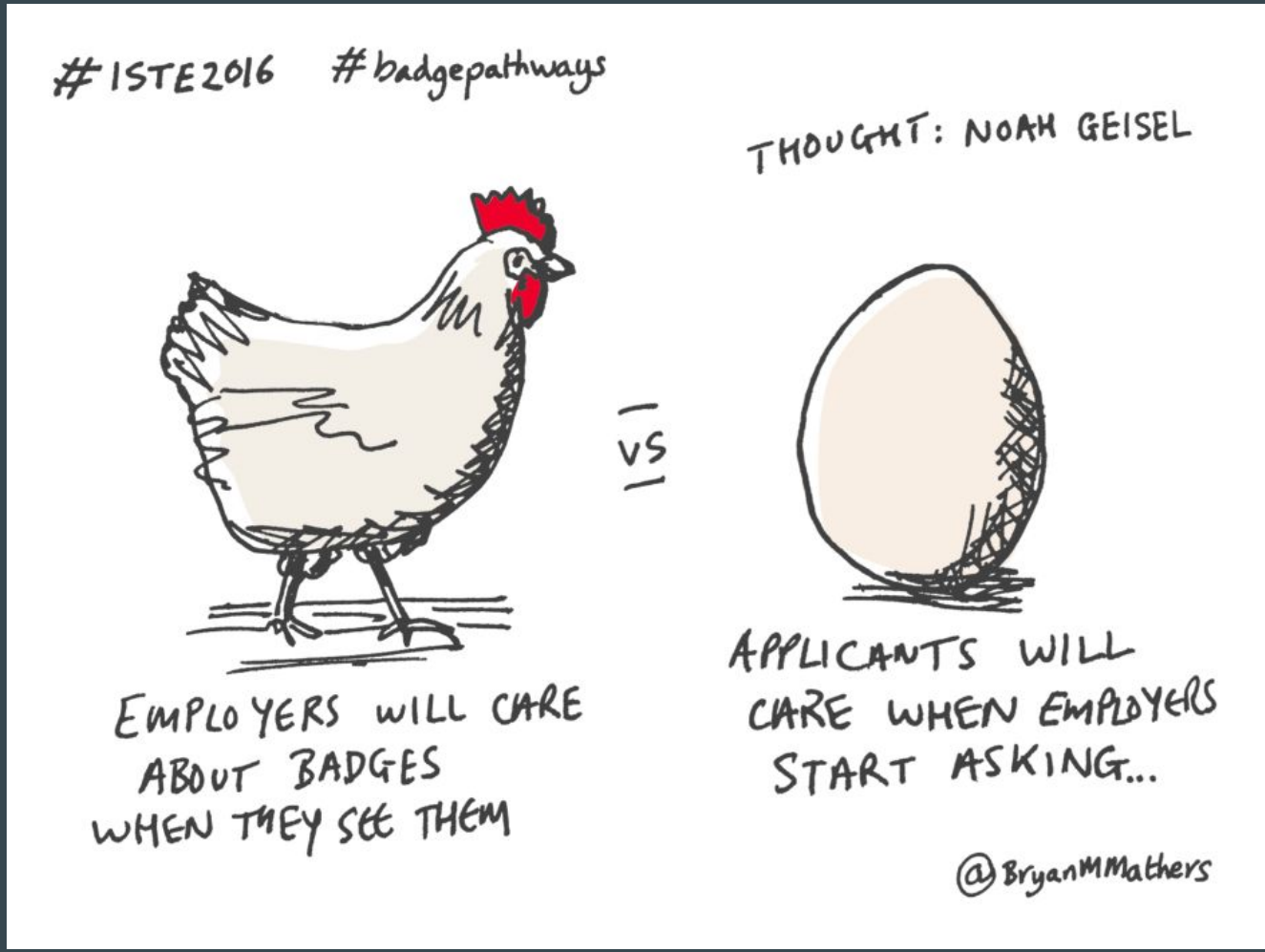
2. Badge “marketplace” to make it drop-dead easy for teachers to find badges for professional development, linked to teaching standards/frameworks.

3. Methods for management of multiple reviewers

4. Systems for handling paid and free earners

Current Challenges

More Employer Endorsements



Benefits Seen So Far

1. We are better teachers
2. We are thinking deeply about standards
3. Our students have more options
4. We can grow and create more badges
5. More legitimacy through endorsements

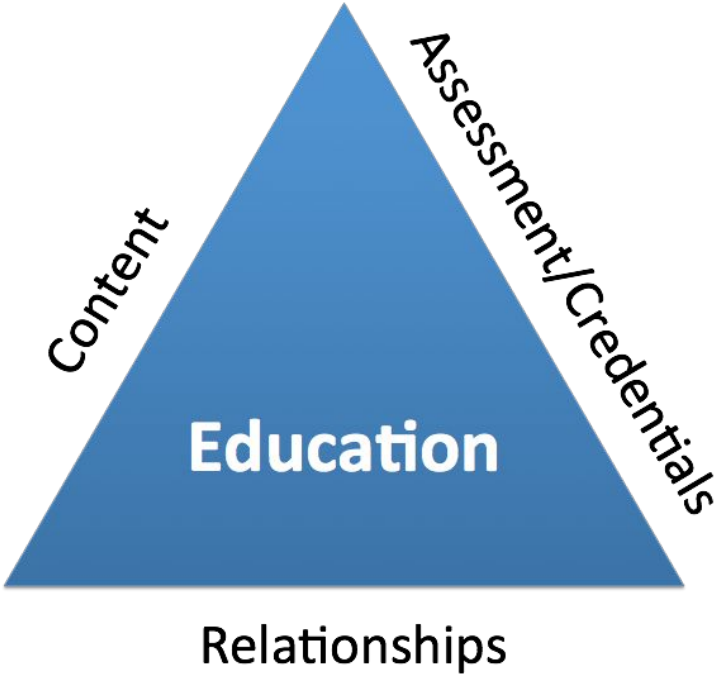
A thought on why this all matters ...

“An open education infrastructure, which can support extremely rapid, low cost experimentation and innovation, must be comprised of at least these four parts:

1. Open Credentials
2. Open Assessments
3. Open Educational Resources
4. Open Competencies”

From https://lidtfoundations.pressbooks.com

We are part of the Solution!



Education is more than **content.**

We can address the part of the equation nobody else is.

Questions?

rickwest@byu.edu

Badgeschool.org

Extra

<1>

Improved Assessment and Feedback

A badge is only as good as:

The criteria required to earn it.

The process used to evaluate the learner's work.

It's usefulness to students and other stakeholders.

Badges Encourage:

More rigorous criteria

Rigorous assessment practices

The rigor (number and difficulty) of criteria give this badge weight.

Rubric for Logger Pro-Physical Science Badge	
Data Analysis	
Insert Data	Using the given sample data, input the data into the Data Set Table. You can find the sample data under "Links" in the upper right hand corner of this page.
Graph Options	All data points should be "point symbols" (or "point protectors" depending on what version of LoggerPro you have) but not "connect[ed] points."
Labels and Units	All columns in the Data Set should have appropriate labels. Double click on the column headings to set "Name," "Short Name," and "units." Also be sure to rename "Data Set" by double clicking on it.
Analyze Curve	Using the "Curve Fit" option, analyze an appropriate curve. When in the Curve Fit window, you must click "Try Fit" before clicking ok.
Screen Shot	After adjusting the graph layout (see "Graph Layout" section), take a screenshot of your final graph and the Data Table.
Basketball Toss Graph (Video Analysis)	
View Video	View the Basketball Shot Video in Logger Pro. You can find it by clicking Insert->Movie->Sample Movies->(either "Original Video Files" or "Basketball Shot" folder)-> click on "Basketball Shot Video." You can also view this video to help you find it.
Set Origin	Find the time when the ball leaves the man's hand (about 0.18 seconds). Click on the "Sync Movie to Graph" icon and set the "Graph Time" to zero. Set the bottom of the basketball as the origin.
Set Scale	Set the scale for the program. In this case, the basketball's diameter is a good object to use. (It's diameter is about 0.24 meters). This will automatically set the scale for all data.
Create Data Points	Starting from where the ball leaves the man's hand, click on the bottom of the basketball in each frame to create data points. This will automatically graph the x and y positions of the basketball.
Analyze Curve	Analyze an appropriate curve for both x and y positions.
Positions Screen Shot	After adjusting the graph layout (see "Graph Layout" section), take a screenshot of your final graph and the Data Set Table.
Velocity Graphs	Click on the vertical axis and click more to display both x and y velocities.
Analyze Curve	Analyze an appropriate curve for both x and y velocities.
Velocity Screen Shot	After adjusting the graph layout (see "Graph Layout" section), take a screenshot of your final graph and the Data Set Table.
Calculate X Acceleration	Under the "Data" tab, create a new calculated column. Call it X Accleration (with appropriate "Short name" and "units"). Calculate the acceleration by dividing the "X Velocity" column by the "time" column.

Rigor of Badge Assessment

- If the criteria are rigorous, but the assessment process is not, it can still result in “lightweight” badges.
- Assessment process should provide learners with specific, formative feedback that allows learners to reach the level of mastery.
- This is not only important for learning, but also gives the badge more credibility as a legitimate credential.

<2>

Easier to Show What You Know

The Transparency Advantage of Being “Open”

Exams

Assignments

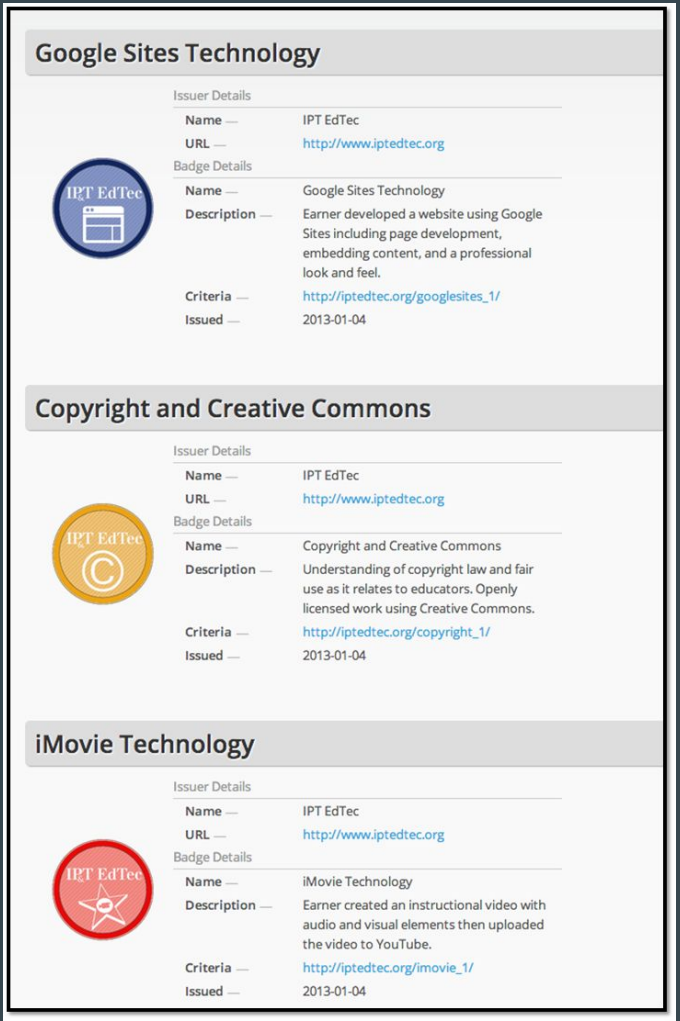
Citizenship

Participation

Extra Credit

Attendance

B+



Google Sites Technology

Issuer Details

Name —	IPT EdTec
URL —	http://www.iptedtec.org

Badge Details

Name —	Google Sites Technology
Description —	Earner developed a website using Google Sites including page development, embedding content, and a professional look and feel.
Criteria —	http://iptedtec.org/googlesites_1/
Issued —	2013-01-04

Copyright and Creative Commons

Issuer Details

Name —	IPT EdTec
URL —	http://www.iptedtec.org

Badge Details

Name —	Copyright and Creative Commons
Description —	Understanding of copyright law and fair use as it relates to educators. Openly licensed work using Creative Commons.
Criteria —	http://iptedtec.org/copyright_1/
Issued —	2013-01-04

iMovie Technology

Issuer Details

Name —	IPT EdTec
URL —	http://www.iptedtec.org

Badge Details

Name —	iMovie Technology
Description —	Earner created an instructional video with audio and visual elements then uploaded the video to YouTube.
Criteria —	http://iptedtec.org/imovie_1/
Issued —	2013-01-04

Collections

- Multiple collections can be created.
- Collections can remain private or can be made public and shared.

<3>

Personalization and Flexibility

Preservice Teachers vary by…

Major

Technology Ability

Pedagogy Knowledge

Personal Interest

Other Experiences

One Size Does Not Fit All

https://www.flickr.com/photos/aquamech-utah/25072344705

<4>

Lifelong Learning

Preservice Teachers & PD for Inservice Teachers

A good badge system has more badges than an undergraduate is likely to earn.

Earning additional badges can provide many learning opportunities

Keep earning after graduation for Professional Development

Add a path of badges all the through

Comparing Credentials in Formal Education

- Degrees awarded after a long period of time or a great deal of experience
- Learning from ONE institution.
- Transcripts have lots of information, but is it useable?
- Credential detached from evidence and criteria
- Learner doesn’t own the credential

BYU

BADGE SCHOOL

- Home
- Library
- Issuer
- Review
- Earn
- My Account
- Logout

New Badge

Badge creation page. Please fill in information below and then click "submit" to add requirements for your badge.

Choose File

Badge Image

Enter Badge Name

Select Organization

Select Topic

Enter Badge Description Here

Enter Badge Summary Here

Next Step | Save as draft | Publish