

STANDARDS ARE EVERYWHERE: **AN INFORMATION LITERACY APPROACH TO STANDARDS EDUCATION**

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November 4, 2016

Research Team

Purdue Libraries + Purdue Polytechnic Institute (PPI)



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Background

- Purdue Libraries-MET program partnership
- Prof. McPherson's class
 - “everyday objects” standards assignment
- Faculty discomfort
 - 49% of survey respondents reported “lack of faculty expertise” as an impediment to teaching about standards (*Khan, Karim, & McLain, 2013*)



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Project

Open Standards Education Platform

- Interactive, online modules (4)
- Case study assignments – written, video
- Case study database
- Badging

Online Module Details

1. An Introduction to Standards for Product Design

- Purpose & value of standards
- Major kinds of standards and their uses
- Process of creating & revising standards
- SDO's who create standards commonly used in product design

2. Anatomy of a Standard

- Parts of a standard
- How to navigate a standards document
- Differences between standards and other publication types

Online Module Details... cont.

3. Discovering & Locating Standards

- Develop appropriate terminology and strategies to search for standards
- Databases and websites for standards discovery
- Locate and access the full text of standards documents

4. Standards in Everyday Objects

- Determine what kinds of standards might apply to an artifact, or a component of the artifact.

Online Module Development

Articulate Storyline 2



CASE STUDIES & DATABASE

Case study assignments

- Written cases
 - 1-2 pages
- Video cases
 - demonstrating students performing standards-in-action


Database

- Contains shareable links to student-produced cases
- Searchable by:
 - Standard (SDO, title, number)
 - Item/topic
 - Companies that utilize the standard


Badging

Transferable credentials


Purdue Passport platform: www.openpassport.org




Seek



Evaluate



Document



Apply

Issuer:
Passport by Purdue

Organization:
Purdue University

Created by:
Michael J Fosmire, Aug 07 2014

Learning Outcomes
This badge certifies the information literacy core competency outcomes in the context of the PPI framework. Students will meet competencies in the following areas:

Developing Information Literacy

☆ Get started

This badge certifies students' competency in using information appropriately to complete tasks. It corresponds to the university core curriculum foundational outcome in information literacy.

☆☆ Challenges

- Exploring a Topic ▾
- Searching for Information ▾
- Evaluating Information ▾
- Using and Acknowledging Information ▾
- Know Your Intellectual Property ▾

Questions?

REFERENCES

A. S. Khan, A. Karim, and J. A. McClain, "The state of the use of standards in engineering and technology education," in *ASEE Annual Conference and Exposition*, ID# 7948, 2013.