

USING DIIGO TO ENGAGE LEARNERS IN COURSE READINGS: ACTIVITY DESIGN AND FORMATIVE EVALUATION

Vanessa P. Dennen,
Michelle L. Cates &
Lauren M. Bagdy

Instructional Systems & Learning Technologies
Florida State University

Contact: vdennen@fsu.edu / mlc14j@my.fsu.edu / lb14x@my.fsu.edu



Social Bookmarking Tools

- **share** web-based resources
- collaboratively **analyze** using annotations

diigo



delicious

Bookmark, Tag, Highlight, Comment

Chrome Extension

Save to Diigo

Instructional Design Strategy: What Is Its Role In eLearning Design? - eLearning Industry
Article about the importance of instructional design in professional development

ID, design, strategies, business, ROI, blog, elearning, PD

Recommended: business startup video instructional design design

elearning

Group dictionary: Diigo Tips Tag Dictionary Tutorial Drill-Practice

Game Simulation Problem Solving Brainstorming Concept Mapping

Database Authoring (Subject: math reading science)

Add to an outliner

Share to a group
EME2040-FA16-6 Remove

Private Read Later Cache

Web-page View

PROS

Between the accountability and valuable feedback, positive work skills.

CONS

Only schoolwide account dual teachers can't: all design could be in

It allows teachers to highlight a portion of the students' work and leave comments on that section which can be very helpful for students in improving their next work.

ON SENSE RATING

★★★★☆

Write a comment...

ENGAGEMENT ?

★★★★☆

Paper-free submission, grading, and feedback are great. While design is clean and user-friendly, the site could use more pizzazz to help students stick around, and perhaps extend learning, after they finish required work.

PEDAGOGY ?

★★★★☆

Teachers can give more in-depth feedback with all the time save not shuffling papers. Students are empowered to improve writing through peer-feedback and teacher comments. Classes interact socially through discussion boards.

SUPPORT ?

★★★★☆

Extensive help and training is available through the site. Rubrics, aligned to the CCSS, are included -- teachers can also create and add their own rubrics.

Diigo View

Turnitin Educator Review | Common Sense Education - 1 views
www.common sense.org/...turnitin
Turnitin review teacher tool

shared on 17 Oct 16 - Comment - Like - No Cached - Save To My Library - More

valuable feedback,

17 Oct 16

It allows teachers to highlight a portion of the students' work and leave comments on very helpful for students in improving their next work.

improving writing skills

convenience

17 Oct 16

It allows students to access their grade and corrections online rather than waiting for

Paper-free submission

17 Oct 16

Students aren't limited to handing in a physical paper at their class time. So a deadline certain day.

eachers can give more in-depth feedback

Higher Ed Student Research:

TOOL:

- perceived usefulness
- perceived ease of use

SOCIAL:

- perceived value of various viewpoints
- improved learning over hardcopy annotation
- level of social activity correlated to final grades

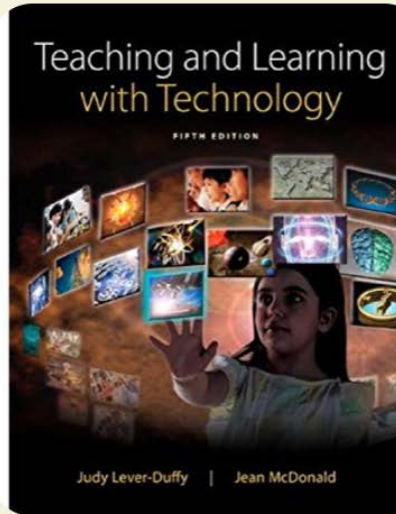
Context: Intro to Educational Tech

- Required technology course for pre-service teachers
- 6 sections of course
 - Common syllabus
 - Meet 1X/week in computer lab
- 20-30% non-majors
- Course objectives focused on:
 - Learning to use software
 - Conceptual aspects of technology integration

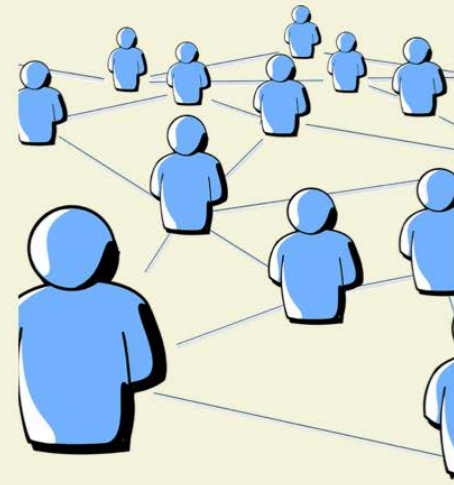
Diigo Activity: Objectives



Learn an instructional technology



Interact with the course content



Interact with their peers


Diigo Activity: Features and Topics

Week	1	2	3	4	5
Course Concept	Academic Software	Web 2.0	Productivity Tools	Assistive Technology	Professional Development
Bookmark	x	x	x	x	x
Tag	x	x	x	x	x
Describe	x	x	x	x	x
Highlight		x	x	x	x
Page Comment		x	x	x	x
Peer Comment		x	x	x	x
Topics			x	x	x

Evaluation: Data Points

78 students

1. Online survey

FLORIDA STATE UNIVERSITY 

Before this class, had you used Diigo?

Yes
 No

Before this class had you used another social bookmarking tool (e.g., delicious)?


Yes
 No

Please indicate your agreement with the following statements about using Diigo.

	Strongly Agree	Agree	Somewhat agree	Neither agree nor disagree	Somewhat disagree	Disagree	Strongly disagree
Tags provide a meaningful way for saving links.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>


2. Diigo archives

My Groups / EME2040-FA16-6


 EME2040-FA16-6


Post: [Bookmark](#) [Topic](#)

Sort By: **Most Recent** | Popular Filter: **All** | [Bookmarks](#) | [Topics](#)

 **Education & Teaching | Free Online Courses & MOOCs | Class Cen**
www.class-central.com/...education
ProfessionalDevelopment | MOOCs

shared by Michelle Cates on 01 Nov 16 - Comment - Like - No Cached - Save To My Library - More ▾

 erinblesner on 01 Nov 16
A Series of MOOCs for Education and Teaching

 Juls Zagra on 01 Nov 16
I feel like i should know, but i cant recall.... what is MOOCs?

Findings: Initial Impressions

No prior Diigo experience

2 prior social bookmarking experience

Initial Impressions: Uncertain or Curious

Findings: Initial Impressions

Uncertain:

“I did not understand Diigo at first because I had never heard of it before. I thought it was a little confusing and I didn't know why we would use it.”

Findings: Initial Impressions

Curious:

“I had not ever used such sources, so I was interested to find out about them. I did think it was a little pointless through the beginning of the semester.”

Findings: Instructor Observations



- Diigo skills came easily
- Less inclined to view peer artifacts
- Liked instructional opportunity to delve into course concepts
- “Topics” helped accurate site selection

Findings: Ending Impressions

Favorable:

“My first assumptions about the program were correct. It was easy to use, and I can see myself using the program in the rest of my college, as well as the start of my professional career.”

Findings: Ending Impressions

Favorable:

“Now that I have used Diigo a good amount, I really like it. I think it is incredibly useful and helpful. I actually started using it for other classes this semester, not just (this course) and it has helped me a lot. I think Diigo is something more people should know about and use.”

Findings: Ending Impressions

Favorable, but not likely to continue using:

“If I want to bookmark, then I will just do it normally.”

Findings: Ending Impressions

Not Favorable:

One class → technical difficulties

- Students seemed unaware of
how to effectively use Diigo
- Problems with crashing

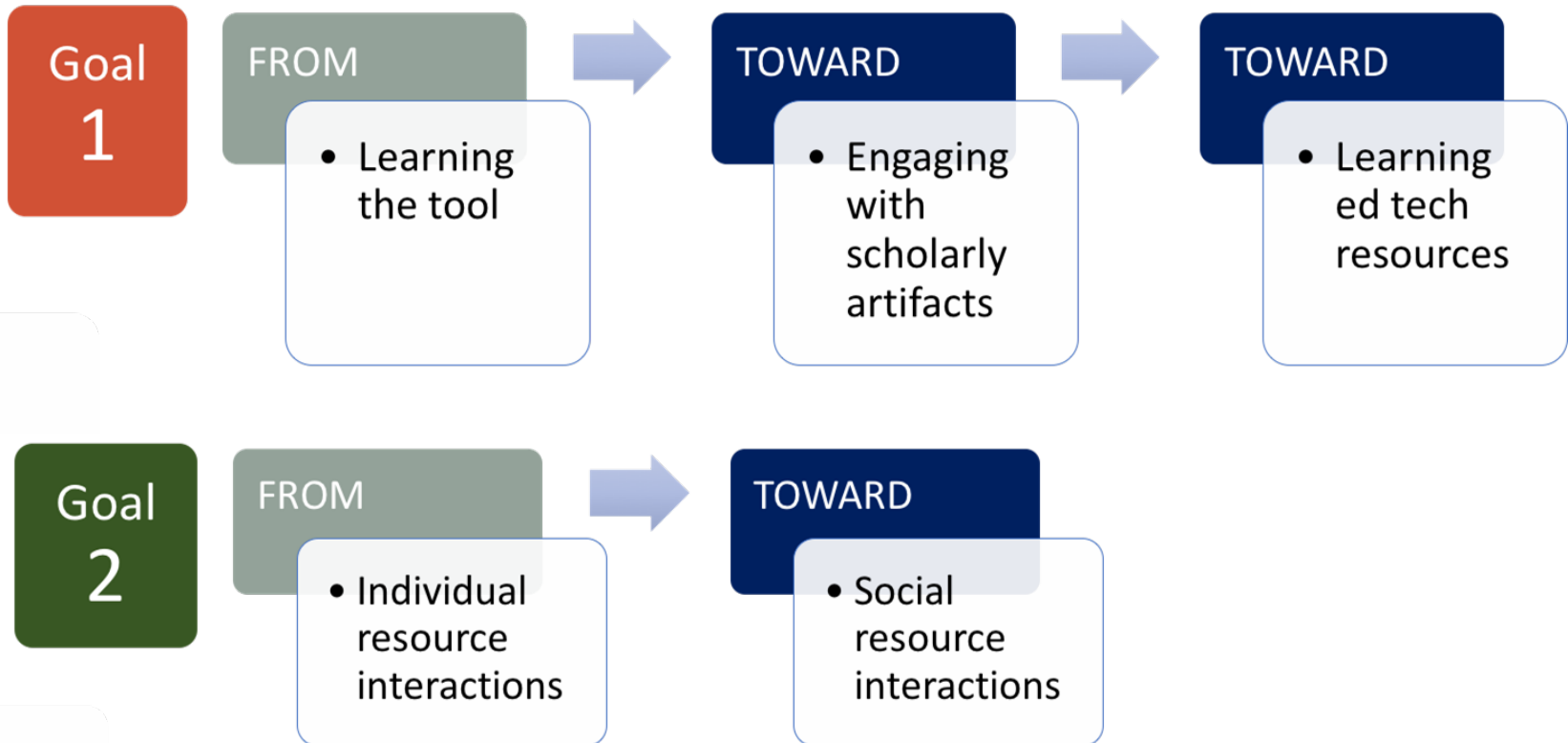
Findings: Ending Impressions

Not Favorable: Unclear on Learning Objectives

- Students felt the purpose was to learn the tool
- Students did not understand that they were supposed to focus on technology integration topics and interactions with others

“I think that it was over taught.
We really didn't need 5+ weeks of
instruction on it.”

Implications: Design for the Next Iteration



- Articulate and reiterate objectives
- Provide behavioral steps and models
- Elicit student reflection

Thank you!

Questions?

Contact: vdennen@fsu.edu / mlc14j@my.fsu.edu / lb14x@my.fsu.edu