Integrating Edmodo Into A High School Service Club: 
*To Promote Interactive Online Collaboration*

Bruce Gushiken
University of Hawaii at Manoa
About Me

- High school mathematics teacher for 16 years
About Me

• High school mathematics teacher for 16 years
• Leo Club advisor for 9 years
About Me

- High school mathematics teacher for 16 years
- Leo Club advisor for 9 years
- ETEC Master's degree candidate
A Quick Poll

Are you a classroom teacher?

Yes  No
A Quick Poll: Who is Hong Yin?

A

B
A Quick Poll: Who is Hong Bo?

A

B
Nice To Meet You!

Hong Bo

Hong Yin
In The Beginning (2004)

- Took over co-advisor duties
In The Beginning (2004)

- Took over co-advisor duties
- Less than 20 members
In The Beginning (2004)

- Took over co-advisor duties
- Less than 20 members
- Half were seniors
Recruitment Begins (2005)

- Freshmen Orientation
Recruitment Begins (2005)

- Freshmen Orientation
- Club Day
Recruitment Begins (2005)

- Freshmen Orientation
- Club Day
- Over 50 members
Today

- Over 180 members
Today

- Over 180 members
- Voted “Best Large Club” 8 years in a row
Today

- Over 180 members
- Voted “Best Large Club” 8 years in a row
- Members have travelled to Japan, Finland
Today

- Over 180 members
- Voted “Best Large Club” 8 years in a row
- Members have travelled to Japan, Finland
- College scholarships
### Who Are They?

<table>
<thead>
<tr>
<th>Gha Ming</th>
<th>Nga Ying</th>
<th>Ying Yi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hayato</td>
<td>Qi Lin</td>
<td>Yingyin</td>
</tr>
<tr>
<td>Jae Woo</td>
<td>Quyen</td>
<td>Yongqi</td>
</tr>
<tr>
<td>Jia Jie</td>
<td>Sang Hoon</td>
<td>Yu Kyung</td>
</tr>
<tr>
<td>Jian Wei</td>
<td>Soo Youn</td>
<td>Yu Tao</td>
</tr>
<tr>
<td>Jin Hua</td>
<td>Taizha</td>
<td>Yu Wen</td>
</tr>
<tr>
<td>Kim Yen</td>
<td>Thieu Huy</td>
<td>Zarek</td>
</tr>
<tr>
<td>Min Yu</td>
<td>Xiaofei</td>
<td>Zhi Qiang</td>
</tr>
</tbody>
</table>
Why Are They Leaving?

- Unable to sign up for activities they want
Why Are They Leaving?

- Unable to sign up for activities they want
- Unable to attend meetings
Why Are They Leaving?

- Unable to sign up for activities they want
- Unable to attend meetings
- Unable to receive updates in a timely manner
Introduction

- Need an efficient way to communicate information
Introduction

- Need an efficient way to communicate information
- Need an efficient way to sign up for volunteer activities
Introduction

- Need an efficient way to communicate information
- Need an efficient way to sign up for volunteer activities
- Need a reusable tool for future advisor(s)
Introduction

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- Created instructional module in website using Weebly
Introduction

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- Need an efficient way to sign up for volunteer activities
- Need a reusable tool for future advisor(s)
- Created instructional module in website using Weebly
- Module at www.edmodotraining.weebly.com
Why Edmodo?

- Similar to Facebook
Why Edmodo?

- Similar to Facebook
- Small learning curve
Why Edmodo?

- Similar to Facebook
- Small learning curve
- Accessible on many school networks
Why Edmodo?

- Similar to Facebook
- Small learning curve
- Accessible on many school networks
- Free!
Methods

- Information presented through web pages
Methods

- Information presented through web pages
  - How to create user account
Methods

- Information presented through web pages
  - How to create user account
  - How to create a group page, calendar
Methods

- Information presented through web pages
- How to create user account
- How to create a group page, calendar
- How to create a small group page
Methods

- Information presented through web pages
  - How to create user account
  - How to create a group page, calendar
  - How to create a small group page
  - How to embed a Google form
Methods

- Information presented through web pages
  - How to create user account
  - How to create a group page, calendar
  - How to create a small group page
  - How to embed a Google form
- Instruction presented through YouTube videos
Methods

- Information presented through web pages
  - How to create user account
  - How to create a group page, calendar
  - How to create a small group page
  - How to embed a Google form
- Instruction presented through YouTube videos
- Data collected from tests and surveys
Module Testers

- Ten ETEC graduate students
Module Testers

- Ten ETEC graduate students
- 6 females, 4 males
Module Testers

- Ten ETEC graduate students
- 6 females, 4 males
- Eight participants heard of Edmodo but do not have accounts
Module Testers

- Ten ETEC graduate students
- 6 females, 4 males
- Eight participants heard of Edmodo but do not have accounts
- Unable to use intended audience
Instructional Module-Consent Form

- Required for participation

**Consent Form**

Dear Research Participant,

You are receiving this message because you signed up to participate in the web-based instructional module, *Integrating Edmodo into a High School Service Club: To Promote Interactive Communication*. I ask if you are willing to participate in an online pre-module Demographic and post-module Attitudinal Survey. I wish to analyze the demographic and assessment data collected through anonymous online surveys.

The purpose of this instructional design module is to develop and evaluate a web-based Edmodo into the organizational structure of a high school service club, to promote online communication between the club advisor, officers, and members. Your participation is completely voluntary and you can withdraw at any time. Your responses are completely anonymous.

Research data is confidential to the extent allowed by law. Agencies with research oversight, specifically the Committee on Human Studies, have the authority to review research data. By consenting to participate, you do not give up any personal legal rights you may have as a participant in this study.
Instructional Module-ID Code

• Required for participation
Instructional Module-ID Code

- Required for participation
- Click to create unique ID code
Instructional Module-ID Code

- Required for participation
- Click to create unique ID code
- Used from widgia.com
Instructional Module-Demographic Survey

- Required for participation

Demographic Survey

Upon completion of this survey, please click on SUBMIT. Then scroll down to the bottom and proceed to the PRE-TEST.

* Required

Participant Identification Code *

1. Agreed to Consent Form? *
   - Yes
   - No

2. Are you male or female? *
   - Male
   - Female

3. What is your age? *
   - 18-21
   - 22-25
   - 26-30
   - 31-40
   - 41-50
   - 51-60
   - 61 or over
Instructional Module-Demographic Survey

- Required for participation
- 6 females, 4 males

Demographic Survey

Upon completion of this survey, please click on SUBMIT. Then scroll page and proceed to the PRE-TEST.

* Required

Participant Identification Code *

1. Agreed to Consent Form? *
   - Yes
   - No

2. Are you male or female? *
   - Male
   - Female

3. What is your age? *
   - 18-21
   - 22-25
   - 26-30
   - 31-40
   - 41-50
   - 51-60
   - 61 or over
Instructional Module - Demographic Survey

- Required for participation
- 6 females, 4 males
- 7 aged <31 years
Instructional Module-Demographic Survey

- Required for participation
- 6 females, 4 males
- 7 aged <31 years
- 6 hold a BA/BS degree, others have a Master's degree
Instructional Module-Pre-Test

- 15 multiple-choice items

**Pre-Test**

Select the best answer choice for each question. Click on SUBMIT. Then scroll to the bottom of the page.

* Required

- Participant Identification Code *

1. Edmodo is a: *
   - antivirus software
   - internet phone service
   - online video game
   - social networking tool

2. Edmodo was founded by: *
   - Linus Torvalds
   - Mark Zuckerberg
   - Nico Borg and Jeff O'Hara
   - Steve Jobs

3. Edmodo currently claims to connect ________ users *
   - over 1 million
   - over 5 million
   - over 10 million
   - over 15 million
Instructional Module-Pre-Test

- 15 multiple-choice items
- High score: 13
Instructional Module-Pre-Test

- 15 multiple-choice items
- High score: 13
- Average score: 9.7

Pre-Test

Select the best answer choice for each question. Click on SUBMIT. Then scroll to the bottom of the page.

* Required

Participant Identification Code *

1. Edmodo is a: *
   - antivirus software
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   - online video game
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   - over 5 million
   - over 10 million
   - over 15 million
Instructional Module-Pre-Test

- 15 multiple-choice items
- High score: 13
- Average score: 9.7
- All scored 8 or higher
Participants proceed through four sections.

Section 1: What is Edmodo?

Edmodo is a free, online social networking site for students, Edmodo connects users with each other, allowing them to collaborate on assignments.

Believing that a new type of classroom community is needed, how they learn in school, founders Nic Borg and goal. Since its release in 2008, Edmodo has
Instructional Module-Sections

- Participants proceed through four sections

**Section 1: What is Edmodo?**

Edmodo is a free, easy-to-use social networking platform for teachers, students, and parents. Edmodo allows educators and students to communicate, collaborate, and share educational resources, assignments, and assessments.

**Believing that a new tool can enhance how they learn in school helps them to reach their goal. Since its release, Edmodo has helped millions of educators and students improve their education and performance.**

**Section 2: Why Use Edmodo?**

There are numerous advantages to using Edmodo with other educational tools, such as:

- It's free and easy to use!
- Interface is similar to Facebook, but easier to use!
- No download required!
- It's private and secure!
- It's ad free!
- Students are more connected!
- Calendars and events are easy to share!
Instructional Module-Sections

- Participants proceed through four sections

**Section 1: What is Edmodo?**

Edmodo is a free, collaborative platform for students, Edmodo offers assignments.

**Section 2: Why Use Edmodo?**

There are numerous advantages to using Edmodo with themes shared by Edmodo users include:

**Section 3: Using the Edmodo Calendar**

For any service club, an events calendar is an absolute must, but easier to use! activities. Events can be posted to a public calendar for all that club members can identify meeting dates and volunteer members can find out specific details about each event, sue.

Please watch this short video on how to add events to the Edmodo calendar to share!
Participants proceed through four sections:

Section 1: What is Edmodo?
Edmodo is a free, collaborative platform for students, Edmodo assignments.

Section 2: Why Use Edmodo?
There are numerous advantages to using Edmodo with themes shared by Edmodo users include:

Section 3: Using the Edmodo Calendar
For any service club, an events calendar is an absolute must, but easier to use!
activities that club members

Section 4: Using a Google Form in Edmodo
Having an events calendar and posting updates in Edmodo are just upcoming events. Club members also need an efficient way to sign advantage of Google Forms! It is a fast and convenient way to create names to each activity and will organize the list of volunteers according who signed up, but when they signed up for the activity. If only a limit event, the time stamp can easily help you decide who goes. And if a contact members who are further down the list.

How to Embed Google Forms into Edmodo
Instructional Module - Sections

- Participants proceed through four sections
- Watch embedded video

Section 1: What is Edmodo?
Edmodo is a free, comprehensive platform for teachers, students, and parents. It provides a range of tools for managing assignments, assessments, and communication.

Section 2: Why Use Edmodo?
There are numerous advantages to using Edmodo with your students. Some benefits include:

Section 3: Using the Edmodo Calendar
For any service club, an events calendar is an absolute must, but easy to use! Keep track of all your activities and deadlines in Edmodo.

Section 4: Using a Google Form in Edmodo
In Edmodo, you can easily add an efficient way to sign up for the upcoming meeting. This is a convenient way to create a list of volunteers according to the activity. If only a limited number of people can participate, decide who goes. And if there's a lot of interest, Edmodo helps you manage all the details efficiently.
Instructional Module-Sections

- Participants proceed through four sections
- Watch embedded video
- Free to view or read instruction as often as necessary

Section 1: What is Edmodo?
Edmodo is a free, collaborative platform where students, teachers, and schools connect. It allows for assignments.

Section 2: Why Use Edmodo?
There are numerous advantages to using Edmodo with themes shared by Edmodo users include:

Section 3: Using the Edmodo Calendar
For any service club, an events calendar is an absolute must, but easier to use!

Section 4: Using a Google Form in Edmodo
Google forms in Edmodo are just an efficient way to sign up and convenient way to create a list of volunteers according to the activity. If only a lim decide who goes. And if a
Instructional Module-Post-Test

- Same 15 multiple choice items
Instructional Module-Post-Test

- Same 15 multiple choice items
- Check answers when finished

Post-Test

Select the best answer choice for each question. Click on SUBMIT. Then scroll to the bottom of the page to CHECK ANSWERS.

* Required

Participant Identification Code *

1. Edmodo is a: *
   - antivirus software
   - internet phone service
   - online video game
   - social networking tool

2. Edmodo was founded by: *
   - Linus Torvalds
   - Mark Zuckerberg
   - Nico Borg and Jeff O'Hara
   - Steve Jobs

3. Edmodo currently claims to connect __________ users *
   - over 1 million
   - over 5 million
   - 100 million
Instructional Module-Attitudinal Survey

- 11 questions, 5-point Likert scale
Instructional Module-Attitudinal Survey

- 11 questions, 5-point Likert scale
- 2 open-ended questions
Instructional Module - Attitudinal Survey

- 11 questions, 5-point Likert scale
- 2 open-ended questions
  - improvements
Instructional Module-Attitudinal Survey

- 11 questions, 5-point Likert scale
- 2 open-ended questions
  - improvements
  - changes

**Attitudinal Survey**

Thank you for participating in the instruction this survey about the online module and test carefully. The survey is based on a 5-point scale: 1 = strongly disagree, 5 = strongly agree. Upon completion of this survey, please go to the bottom of the page and click on the button to submit.

* Required

**Participant Identification Code** *

1. The module was clear and easy to understand. *
   - 1 2 3 4 5
   - Strongly Disagree 〇 〇 〇 〇 〇 Strongly Agree

2. The level of difficulty was about right for me. *
   - 1 2 3 4 5
   - Strongly Disagree 〇 〇 〇 〇 〇 Strongly Agree

3. The length of the module was manageable. *
   - 1 2 3 4 5
   - Strongly Disagree 〇 〇 〇 〇 〇 Strongly Agree

4. The examples in the module were helpful. *
Results

- Eight improved scores
Results

- Eight improved scores
- Two show no change
Results

- Eight improved scores
- Two show no change
- Module easy to understand
Results

- Eight improved scores
- Two show no change
- Module easy to understand
- Much room for improvement
Results

- Difficulty level was appropriate
Results

- Difficulty level was appropriate
- Module length was appropriate
Results

- Difficulty level was appropriate
- Module length was appropriate
- Instruction seemed straightforward
Results

- Difficulty level was appropriate
- Module length was appropriate
- Instruction seemed straightforward
- Video clips were appropriate
Results

- No handouts available for download
Results

- No handouts available for download
- No written steps next to videos
Results

- No handouts available for download
- No written steps next to videos
- No feedback provided after pre-test
Next Steps

- Future modules will need to focus on club organization
Next Steps

- Future modules will need to focus on club organization
- Instructional videos to be created by me
Next Steps

- Future modules will need to focus on club organization
- Instructional videos to be created by me
- Embed questions within module
Next Steps

• Future modules will need to focus on club organization
• Instructional videos to be created by me
• Embed questions within module
• Create handouts
Next Steps

- Future modules will need to focus on club organization
- Instructional videos to be created by me
- Embed questions within module
- Create handouts
- Consult with co-advisor
Many, Many Thanks!

- Critical Friends
- Ariana Eichelberger & ETEC Faculty
- Fellow ETEC students
- My family
Any Questions?