AMATYC 2016: Tech Tools We Love

Jennifer Applebee (japplebee@middlesexcc.edu)
Dr. Kathleen Shay (kshay@middlesexcc.edu)

Engaging Students: Astin’s Student Involvement Theory

Investment of Energy: Technology such as videos and discussions may increase time on task.

Quantity & Quality: Technology may allow students to participate where they are comfortable.


Types of Involvement: Technology may provide different opportunities for students to engage with course material.

Investing in Energy: Technology such as videos and discussions may increase time on task.

Quantity & Quality: Technology may allow students to participate where they are comfortable.


Discussion / Piazza

The incredibly easy, completely free Q&A platform

Save time and help students learn using the power of community

- Wiki-style format enables collaboration in a single space
- Features LaTeX editor, highlighted syntax, and code blocking
- Questions and posts needing immediate action are highlighted
- Instructors can moderate answers to keep the class on track
- Anonymous posting encourages every student to participate
- Integrates with every major LMS and is ADA compliant

Piazza

LaTeX editor

Piazza
Piazza

Virtual Office Hours / Google Hangouts
- Screen sharing
- Students do not need audio
- Students do not need a Google account
- Up to 10 participants

Virtual Office Hours / Google Hangouts
- Set up one link to use for entire semester

Text Messaging: Remind
- Send announcements to the whole class
- Have one-on-one conversations
- Cell phone numbers are masked
- Desktop, phone app, or text message
Text Messaging: GroupMe
- Class-wide discussions
- Smaller group discussions
- App-based

Assigning Groups / TeamShake

Team Shake

Videos 1 / Screencast-o-matic

Videos 2 / Vittle
**Videos 2/ Vittle Demo**

*Vittle for iPad*

---

**Videos 3 / Office Mix**

- MS PowerPoint 2013 or 2016 required
- PC only
- Create slide-by-slide videos
- Embed quizzes
- Convert to MP4 to upload to YouTube
- Analytics available if students create/have a Microsoft account
- Easy to re-record on a slide-by-slide basis.

---

**Videos 3 / Office Mix Demo**

*Introduction to Rules of Exponents*

---

**Plickers**

- Use your phone to scan the room
- Students hold up card with correct answer on the top

---

**Kahoot!**

---

**Kahoot! Demo**
Graphing: Desmos

Basic Graphs

Many Types of Graphs (menu on upper left)

Translations

Interactive Tools

Customizable Slider Taylor Expansion

Regression

Learn More: https://teacher.desmos.com/

Customizable Classroom Activities
Example Activity: Marble Slides
(https://teacher.desmos.com/marbleslides-lines)

Example Activity: Marble Slides Demo

Graphing Data: SandDance

Many Views of the Data

Scatterplots

Questions?