Integrating Technology in the AE Classroom
Hello!

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Objectives

- Explore WIOA technology standards as a framework to understand technology integration
- Define and describe the importance of Digital Literacy
- Describe how technology-based tools can be used to enhance lessons and contribute to student learning
- Brainstorm ways to effectively and seamlessly integrate technology and digital literacy into adult education lessons
Technology Has Become WATER
Shift in How We View Technology Integration

How can I integrate technology in my classroom?

How does technology naturally complement this lesson and how would we use it in real life?
Don’t force technology into a lesson.
Identify how technology is naturally aligned and extend the learning to embrace technology in that way.
Successful Technology Integration

Successful technology integration is achieved when the use of technology is:

- Routine and transparent
- Accessible and readily available for the task at hand
- Supporting the curricular goals and helping the students to effectively reach their goals
- A seamless part of the learning process
- Second nature
How do you approach integrating technology?
What tools can you use to integrate technology?
Why We Should Integrate Technology

- Amplifies and extends instructional strategies
- Develops 21st century workplace skills
- Relevance in today’s digitally enhanced and technology-based world
- Supports diverse needs of adult learners
WIOA and Technology Standards

Emphasis on Workforce Preparation Activities-

- Combination of basic academic skills, critical thinking skills, digital literacy skills, and self-management skills
- Successful transition into and completion of post secondary education or training, or employment

Find | Evaluate | Organize
---|---|---
Create | Communicate
What we have to do is... Build Digital Literacy
Digital Literacy is *more* than just Computer Literacy
Digital Literacy

- Viewing, Creating, and Sharing Using Media
- Speaking and Listening
- Reading and Writing
Digital Literacy

Finding and Consuming Digital Content
- Offline reading
- Online reading

Creating Digital Content
- Writing
- Videos or podcasts

Communicating and Sharing Information
- Make sharing easy
- Digital citizenship
How Comfortable Are You With Technology & Digital Literacy?
Tips for Effective Technology Integration
“Effective integration of technology is achieved when students are able to select technology tools to help them obtain information in a timely manner, analyze and synthesize the information, and present it professionally. The technology should become an integral part of how the classroom functions, as accessible as all other classroom tools.”

National Educational Technology Standards For Students, International Society for Technology in Education
Effective Technology Integration in the Classroom

- Access to up-to-date primary source information
- Methods of collecting & recording data
- Ways to collaborate with students, teachers, and experts around the world
- Opportunities for expressing understanding via multimedia
- Learning that is relevant and assessment that is authentic
- Training for publishing and presenting their new knowledge
Seamless and Transparent
Examples

- Geography
  - Map/Directions Apps
  - Weather Apps/Sites

- Math
  - Calculator
  - Excel for budgeting

- ESL
  - Translator Apps
  - Voice Notes

- Science
  - Mythbusters/Videos
  - Science Dictionary

- ELA
  - MS Word
  - E-Books
TOOLS

Technology Tools for the AE Classroom
What is your Current Level of Technology Integration

- Sparse
- Basic
- Comfortable
- Seamless
Types of Technology Integration

- Online Learning and Blended Classrooms
- Project-Based Activities Incorporating Technology
- Game-Based Learning and Assessment
- Learning with Mobile and Handheld Devices

- Web-Based Projects, Explorations, and Research
- Student-Centered Media like Podcasts, Videos or Slideshows
- Collaborative Online Tools like Wikis or Google Docs
Google Tools

Finding and Consuming Digital Content
- Search Engine
- Google Translate
- Google Image
- Google Earth
- Google News
- Google Books
- Google Scholar
- Google Alerts

Creating Digital Content
- Google Calendar
- Picasa
- Google Drive
- Docs
- Sheets
- Slides

Communicating and Sharing Information
- Google Blogger
- Google Plus
- Google Hangouts
- Google Forms
- Google Classroom
- Google Duo
Google Apps in the Classroom
## Examples

### Google Docs/Drive

<table>
<thead>
<tr>
<th>Level</th>
<th>Task Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginner</td>
<td>Share a document with students or colleagues</td>
</tr>
<tr>
<td>Intermediate</td>
<td>Analyze the revision history of a document</td>
</tr>
<tr>
<td>Advanced</td>
<td>Create a chart from a data set</td>
</tr>
</tbody>
</table>

### Google Forms

<table>
<thead>
<tr>
<th>Level</th>
<th>Task Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginner</td>
<td>Create a form and change the template</td>
</tr>
<tr>
<td>Intermediate</td>
<td>Graph the results of the form data</td>
</tr>
<tr>
<td>Advanced</td>
<td>Create a formula to analyze or grade assessments</td>
</tr>
</tbody>
</table>
Smart Phones

- Recorder/Video
- Social Media
- Pronunciation
- Measuring tools
Apps

- Quizlet
- Socratic
- Khan Academy
- Desmos
- Remind
- Encyclopedia Britannica
- iPhone Apps
  - iTunes U
  - Pages
  - Keynote
  - Numbers
  - Movie
  - iBooks
Logistically Integrating Technology

Technology needs
- Tablets
- Chrome Books
- Computers

Resources → Internet Access → Security
Conclusion

Focus on building digital literacy

Successful technology integration empowers learners to take more responsibility for their learning and creates a powerful learning environment

Opportunity to question assumptions, experiment, and ultimately improve the delivery of education to adults

Information age has had a profound impact on the world around us; thus it is not unreasonable to posit that the information age should also affect the form and function of adult education

Easier to create environments in which students can learn by doing, receive feedback, and continually refine their understanding and build new knowledge
Thanks!

Any questions?
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