“Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is most important.” – Bill Gates

“There can be infinite uses of the computer and new age technologies but if it fails, then it fails. It is the teachers themselves who must learn and implement these technologies.” – Nancy Kassempaun
Using Web Tools and Apps to Support UDL

Presenters:
Megan Sullivan
Ricky Tippett
A little about ourselves…

Megan Sullivan

- This is my seventh year teaching in the Asperger’s Program at Tilden Middle School.
- I teach English, science, social skills and resource.
- I became interested in using technology to support teaching after I taught Lights, Camera Literacy!
A little about ourselves…

Ricky Tippett

• I am a Paraeducator at Tilden Middle School
• This is my fifth year working in MCPS
• I have worked in the Learning For Independence (LFI) and Aspergers Programs
Online Poll

Answer - do not click until you have completed the poll

Warm-up

According to educational leaders surveyed in a national study, the biggest benefit to using technology in schools is...
Why do we use web tools and apps?
Survey results show how educators currently use technology to facilitate learning (Project Tomorrow, 2011).

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>To assign homework and practice</td>
<td>58%</td>
</tr>
<tr>
<td>To create graphic organizers</td>
<td>51%</td>
</tr>
<tr>
<td>To conduct investigations</td>
<td>47%</td>
</tr>
<tr>
<td>To provide feedback</td>
<td>38%</td>
</tr>
<tr>
<td>To track effort to achievement</td>
<td>16%</td>
</tr>
</tbody>
</table>
Ways Web tools and Apps Support UDL

Our Focus:

Our population of students tend to be highly visual and concrete. They have difficulty processing verbal and written information especially if the information is abstract. They also have difficulty expressing knowledge in traditional ways (i.e., report writing, group projects, speeches). Because of this, our focus will be on adding visuals and videos to presentations and alternative ways of expressing learning.

Universal Design for Learning
http://abroberts08.edu.glogster.com/glog-universal-design-for-learning/
Web Tools

Web 2.0
3 Ways to Use Web Tools in the Classroom

1) Enhance your presentations

2) Creating web presentations

3) Creating social learning environments
1.) Enhancing your presentations with visual, video, and audio

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Minimal Prep time</td>
<td>• <a href="https://www.flickr.com">FlickR/PhrasR*</a>/<em>Google</em></td>
</tr>
<tr>
<td>• No logins required</td>
<td>• The Tubes and Tube Chop*</td>
</tr>
<tr>
<td>• Students and teachers can both use.</td>
<td>• <a href="https://vimeo.com">Vimeo*</a></td>
</tr>
<tr>
<td></td>
<td>• <a href="https://wordle.net">Wordle*</a></td>
</tr>
<tr>
<td></td>
<td>• <a href="https://www.collage-maker.com">Collage Maker*</a></td>
</tr>
<tr>
<td></td>
<td>• <a href="https://www.khanacademy.org/video">Kahn Academy (Video)</a></td>
</tr>
<tr>
<td></td>
<td>• <a href="https://www.khanacademy.org">Kahn Academy (Website)</a></td>
</tr>
<tr>
<td></td>
<td>• <a href="https://www.ted.com/talks">Ted Talks</a></td>
</tr>
<tr>
<td></td>
<td>• Screenshots and <a href="https://www.videocapture.com">Videocapture</a></td>
</tr>
<tr>
<td></td>
<td>• Mog/Soundcloud/Pandora</td>
</tr>
</tbody>
</table>

* We will not review these applications
### 2.) Creating Online Presentations

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Student/Teacher Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Some prep time</td>
<td>• Prezi</td>
</tr>
<tr>
<td>• Logins usually needed for teachers and students</td>
<td>• GoAnimate</td>
</tr>
<tr>
<td>• Students can create for an assignment or teachers can create for a presentation.</td>
<td>• Glogster*</td>
</tr>
<tr>
<td></td>
<td>• WordPress*</td>
</tr>
<tr>
<td></td>
<td>• Thinglink</td>
</tr>
<tr>
<td></td>
<td>• Imovie/iphone movies (vine application)*</td>
</tr>
<tr>
<td></td>
<td>• Google (voice, forms, drive)</td>
</tr>
</tbody>
</table>

* We will discuss but not review this examples.
3.) Creating Social Learning Environments in the Classroom

Characteristics

- Significant amount of prep time and upkeep.
- Logins required for instructor and students
- Teachers use and students interact.

Student/Teacher Examples

- Edmodo*
- Diigo
- Voicethread*
- Remix Learning

* We will not review these examples
Project Based Educational Apps

SonicPics

Explore the Possibilities
Why use Apps?

- Extend or reinforce learning at home
- Productivity, work smarter not harder
- Web tools on the go
- Keep current with technology based resources
- It’s engaging for both students and teachers
Megan’s Apps

Pulse allows you to choose from your favorite topics and interests, and customize your Pulse with unique pages and sources. Read your favorite blogs, newspapers, magazines, and more.

PDFescape is a free web-based PDF editor program. It features PDF editing, form filling, page arrangement, printing, saving, etc.

Dropbox allows users to create a special folder on each of their computers, which Dropbox then synchronizes so that it appears to be the same folder regardless of which computer is used to view it.

The Kahn Academy is a free online collection of more than 4,300 micro lectures via video tutorials teaching mathematics, history, healthcare, medicine, finance, physics, chemistry, biology, astronomy, economics, cosmology, organic chemistry, American civics, art history, macroeconomics, microeconomics, and computer science.

Improve your brain health and performance with brain games designed by neuroscientists to exercise memory and attention.
Ricky’s Apps


Wolfram is a computational knowledge engine. It is an online service that answers factual queries directly by computing the answer from externally sourced curated data.

Converter Plus is a unit converter with the most extensive list of currencies and units in hundreds of categories.

Evernote archives text, full webpages or webpage excerpts, photographs, voice memos, and handwritten ink notes. It sorts them into folders, which can be tagged, annotated, edited, given comments, searched and exported as part of a notebook.

iTranslate can translate single words, phrases, and audio into dozens of languages used around the world.

The TED app gives you on-demand access to the world's most inspiring voices.
How educators are using apps

- **Accessibility**
  - Education extends beyond the classroom into homes or on the go.
- **Reference**
  - Faster information flow at the click of a button/tap of a finger.
- **Productivity**
  - Technology offers more creative ways for students to receive and present information.
- **Collaboration**
  - The use of social media allows students and teachers to stay connected 24/7.
- **Language development**
  - Diction and translation apps enable a more diverse population to communicate effectively.
- **Subject specific learning (English language arts, science, history, geography, math)**
  - Subject based apps offer more in-depth knowledge of specific classes.
- **Art/Music/Creativity/Video**
  - Creativity based apps offer students more flexibility in expressing their own intellect.

Thoughts on using technology in the classroom...

- **Riding the Wave**
- **Technology Changed Learning**
- **Now is the Time**

Educational App Powerhouses...

- **Apple Education**
- **Google Education**
The Future: Web and APPS

How Web 3.0 Will Work
Closure and Feedback

Closure:

What do you think the future holds? Which tools would you like to try next year?

Padlet
Work Time

• Create/experiment with the various web tools and apps that were presented (or your own)

• We would love people to share!
Links to Websites

Visuals and Video

1. **Cartoon Photo**: Cartoon yourself
2. **Wordle**: Create word clouds
3. **Flickr**: Save or search for pictures
   - [http://www.flickr.com/commons](http://www.flickr.com/commons) (shared pictures for download)
4. **Vimeo**: High quality video
5. The tubes..
   - [www.youtube.com](http://www.youtube.com)
   - [www.schooPtube.com](http://www.schooPtube.com)
   - [www.teachertube.com](http://www.teachertube.com)
6. **Discovery Education Streaming**: Educational Videos (login required)
7. Sharing sounds ([MOG, SoundCloud](http://SoundCloud))
8. **Collage Maker** – creates collages
9. **Kahn Academy** – shares education
10. **TedTalks** – shares ideas
11. **Screencastomatic** – captures onscreen video

[35 Best Classroom Web2.0 Tools (Edudemic)](http://Edudemic)
Links to Websites
Online Presentations

• **Glogster** – online posters
• **Thinglink** – interactive images
• **Goanimate** – video presentations
• **Prezi** - zooming presentations
  – **Tutorial Video**
• **Wordpress** - blogging
• **Animoto** - online slideshows

35 Best Classroom Web2.0 Tools (Edudemic)
Links to Websites: Social/Collaborative Learning

Social/Collaborative

- Edmodo – Group Conversations
- Diigo – Social Bookmarking
- Voicethread – Group Conversations
  – Tutorial Video
- Developing the Future – Social program development by educators

Interactive

- WallWisher – Interactive Response (padlet)
- Poll Everywhere - Interactive response
- Google forms/documents - Surveys and collaborative documents
  – Tutorial Video

35 Best Classroom Web2.0 Tools (Edudemic)
Resources

Slide 4:
• http://prezi.com/obqzirjhtf-q/web-20-in-the-classroom/

Slide 5:
• http://abroberts08.edu.glogster.com/glog-universal-design-for-learning/

Slide 13:
• http://computer.howstuffworks.com/web-30.htm