

## Using Cloud-Based Application to Support Learning Objectives: Blooming with Technology



*Presented by Dr. Julia VanderMolen  
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Science and Health Online*

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## Disclosure Statements

- The planner and presenter do not have any financial arrangements or affiliations with any commercial entities whose products, research or services may be discussed in this activity.
- No commercial funding has been accepted for this presentation.

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## Session Objectives

- Describe Bloom’s Taxonomy and Web 2.0
- Select an appropriate Web 2.0 tool to address the six levels of Blooms Taxonomy
- Create one lesson which incorporates a Web 2.0 activity to facilitate student collaboration and learning.

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### What Participants Will Gain

- Participants will gain an understanding how Web 2.0 tools can used to address the six levels of Blooms Taxonomy
- Participants will learn about a minimum of 3 Web 2.0 tools for each of the level of Blooms Taxonomy
- Participants will brainstorm one to two lessons to integrate into his/her classroom

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### Bloom's as a Learning Process

- Before we can **understand** a concept we have to **remember** it
- Before we can **apply** the concept we must **understand** it
- Before we **analyze** it we must be able to **apply** it
- Before we can **evaluate** its impact we must have **analyzed** it
- Before we can **create** we must have **remembered, understood, applied, analyzed, and evaluated**

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### What is Blooms Digital Taxonomy?

- It is the application of digital collaboration tools or Web 2.0 tools to engage student at each level of Blooms Taxonomy.

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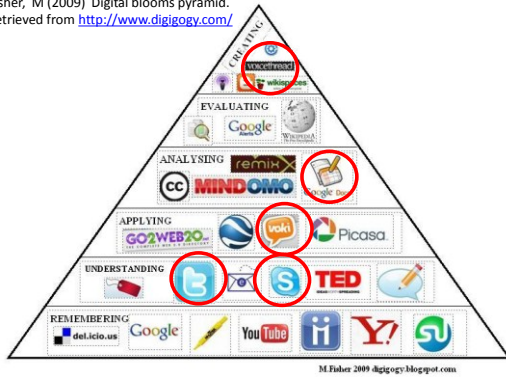
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Fisher, M (2009) Digital blooms pyramid.  
Retrieved from <http://www.digigogy.com/>




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## Bloom's Revised Digital Taxonomy

	Levels of Questioning
<b>HOTS</b> [Higher Order Thinking Skills]	<b>Creating</b>
↑	<b>Evaluating</b>
↑	<b>Analyzing</b>
↑	<b>Applying</b>
↑	<b>Understanding</b>
<b>LOTS</b> [Lower Order Thinking Skills]	<b>Remembering</b>

Churches A. (2007)

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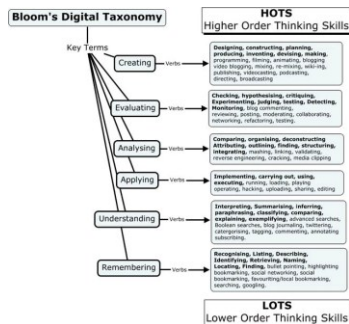
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## Web 2.0 Maps – Bloom's Digital Taxonomy



Churches, A. (2008). Bloom's taxonomy blooms digitally.  
Retrieved from <http://www.techlearning.com/article/44988>

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## Remembering

- Del.ici.ous  
– <http://delicious.com/>
- Diigo  
<http://www.diigo.com/>
- Evernote  
<http://evernote.com/>




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## Understanding

- Bubbl.us  
– <http://bubbl.us>
- Twitter  
– <http://www.twitter.com>
- LetterPop  
– <http://www.letterpop.com/>




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## Applying

- Voki or VoiceBoards  
– <http://www.voki.com/>
- Wolfram Alpha  
– <http://www.wolframalpha.com/>
- Screencast-o-matic  
– <http://www.screencast-o-matic.com/>




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## Analyzing

- Google Docs
  - <http://docs.google.com/>
- Create-a-Graph or other Infograph tool
  - <http://nces.ed.gov/nceskids/createagraph/>
- RSOE EDIS
  - <http://hisz.rsos.hu/alertmap/index2.php>




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## Evaluating

- TodaysMeet
  - <http://todaysmeet.com/>
- Survey Monkey
  - [www.surveymonkey.com](http://www.surveymonkey.com)
- Tricider
  - <https://tricider.com/en/t/>

TodaysMeet



tricider  
easy brainstorming & voting




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## Todays Meet

- <http://todaysmeet.com/tli2012>

TodaysMeet

Talk. Listen.

TodaysMeet helps you enhance the backchannel and connect with your audience in real-time.

Encourage the room to use the live stream to make comments, ask questions, and see that feedback to tailor your presentation, sharpen your points, and address audience needs.

Create a Room.

Name your room

Delete the room in

how long will the room data be saved?

By submitting this form you agree to the [Privacy Policy](#) and [Terms](#)

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## Creating

- Glogster   
– <http://edu.glogster.com> 
- VoiceThread  
– <https://voicethread.com/>
- MakeBeliefComix  
– <http://www.makebeliefscomix.com/Comix/>
- This is just cool  
– Tinkercad: <https://tinkercad.com/home/> 

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## Questions

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## References

- Anderson, L.W. (Ed.), Krathwohl, D.R. (Ed.), Airasian, P.W., Cruikshank, K.A., Mayer, R.E., Pintrich, P.R., Raths, J., & Wittrock, M.C. (2001). *A taxonomy for learning, teaching, and assessing: A revision of Bloom's Taxonomy of Educational Objectives (Complete edition)*. New York: Longman.
- Bloom, B. S. (1956). *Taxonomy of Educational Objectives: The Classification of Educational Goals. Handbook 1; Cognitive Domain*. New York: David McKay Co. Inc.: pp. 7-8.
- Churches A. (2007). Edorigami, blooms taxonomy and digital approaches  
<http://edorigami.wikispaces.com/Bloom%27s+and+ICT+tools>
- Kay, R. (2001). Evaluating learning, design, and engagement in web-based learning tools (WBLTs): The WBLT Evaluation Scale. *Computers in Human Behavior*, 27, 1849–1856.

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## References

- Fisher, M (2009) Digital blooms pyramid. Retrieved from <http://www.digigogy.com/>
- Meyer, K. (2010). A comparison of Web 2.0 tools in a doctoral course. *Internet and Higher Education*, 13, 226–232.
- Rahmat, M., & Saudi, M. M. (2007). E-Learning Assessment Application Based on Bloom Taxonomy. *The International Journal of Learning*,14(9), 1-12.
- Tansyr, T., Schopierayp, S., Boland, E., Lane, F., & Pruett, S. (2009). Examining Technology-Enhanced Coursework in Rehabilitation Counselor Education Using Bloom's Taxonomy of Learning. *Rehabilitation Education*, 23(2), 107-118.What is your preferred type of presentation?

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## Presenter Information

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