

A11  
**Climb to a Higher Level  
of Thinking with  
Bloom's Taxonomy**



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## **What We Will Do in this Session**

**Use Bloom's Taxonomy as a foundational framework as we consider how to integrate technology in our lessons.**

**Deep discussion of the connections between Bloom's Taxonomy and the Seven Categories of Technology.**





**The following models are from:**



Authors Howard Pitler,  
Elizabeth R. Hubbell,  
Matt Kuhn, and  
Kim Malenoski

ASCD Press

**Figure 6**  
The Seven Categories of Technology

Technology Category	Definition	Examples
Word processing applications	Software that enables the user to type and manipulate text	Microsoft Word, OpenOffice.org Writer, Google Docs, MYAccess!
Spreadsheet software	Software that enables the user to type and manipulate numbers	Microsoft Excel, OpenOffice.org Calc, InspireData, Google Spreadsheets
Organizing and brainstorming software	Software that enables the user to create idea maps, KWHL charts, and category maps	Inspiration, Kidspiration, BrainStorm, SMART Ideas, Visual Mind
Multimedia	Software that enables the user to create or access visual images, text, and sound in one product	iMovie, Microsoft Movie Maker, Adobe Photoshop, Microsoft PowerPoint, KidPix Studio, Keynote, OpenOffice.org, Impress
Data collection tools	Hardware and software that enable the user to gather data	Probeware, USB microscopes, classroom response systems
Web resources	Resources available on the Web that enable the user to gather information or apply or practice a concept	Virtual tours, information, applets, movies, pictures, simulations
Communication software	Software that enables the user to communicate via text, presentation, voice, or a combination of the three	Blogs, e-mail, VoIP, podcasts, wikis

**Figure 7**  
Matrix of the Four Planning Questions, the Nine Categories of Instructional Strategies, and the Seven Categories of Technology

Planning Question	Instructional Strategies	With Problem Solving Applications	With Simulation	With Modeling and Monitoring Software	With Collaboration Tools	With Networks	With Communication Software
What will students learn?	Setting objectives	•	•	•	•	•	•
Which strategies will provide evidence of student learning?	Providing feedback	•			•	•	•
	Providing recognition				•	•	•
Which strategies will help students access and integrate learning?	Class, questions, and advance organizers	•	•	•		•	•
	Making public representation	•	•	•		•	•
	Summarizing and reflecting	•	•	•		•	•
	Cooperative learning					•	•
Which strategies will help students practice, review, and apply learning?	Reinforcing effort		•			•	•
	Identifying similarities and differences	•	•	•		•	•
	Homework and practice	•	•	•		•	•
	Generating and testing hypotheses		•	•		•	•

Look at full page handout in your packet.

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## Time to Look at Sample Lessons

**We are going to reorganize into grade level groups:**

**K-2**

**3-5**

**6-8**

## Task

**Each group will have sample lesson plans to examine that integrate technology.**

**Using the model, we are going to audit these lessons for rigor, instructional strategies, and technology.**

**Use the graphic organizer to guide your discussion and analysis.**

Discussion and Questions

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 For more materials and updated powerpoint,  
see my blog at **www.KatherineMcKnight.com**