

Bloom's Taxonomy... In Action

Ways that you can use the web to push your students to higher levels of thinking



Computer has new meaning...

1956



2007



Information has new meaning...

1956



2007



School has new meaning...

1956



2007



Even *slang* has new meaning...

1956

Don't have a cow	BFF
Fake-out	DIKU
Floor it	FTBOMH
Heat	ICBW
Knuckle sandwich	MTFBWY
Rattle your cage	SNERT

2007

Theory v. Practice



- How is this going to help me prepare my students?
- Why do they need to know this?
- There is a shift in education that emphasizes the importance of a student's ability to think critically about what they do.
- It related to the ability to realize how and where to apply certain skills.

Bloom's Taxonomy (1956)

- Bloom and his colleagues developed the list of 6 levels.
- Their research showed that schools at that time had 95% of their questions in the Knowledge (or information recall).
- Take a look at the list...

[Classroom Assessment | Basic Concepts](#)

Using the Web



- **KNOWLEDGE**
 - Knowledge measures recall. Students are asked to remember pieces of information, specific vocabulary, etc.
 - The common phrases in knowledge questions are: Label, Define, List...

[Encyclopedia](#)

[Dictionary, Thesaurus, and other reference](#)

[US Government Reference](#)

Using the Web



- **COMPREHENSION**
 - Comprehension is understanding. Students are asked to grasp meaning and to demonstrate it by summarizing or explaining.
 - The common phrases in comprehension questions are: Explain, illustrate, give examples...

[eHow | How To Do Just About Everything!](#)

[How Stuff Works](#)

[GetSmarter.org](#)

Using the Web



- **APPLICATION**
 - Application is when you use what you know. Students are asked to take what they know and apply it to a new, real-life situation.
 - The common phrases in application questions are: Demonstrate, prepare, solve...

[CNN Student News](#)

[TryScience.org](#)

Using the Web



- **ANALYSIS**
 - Analysis answers 'why.' It's the breaking down of knowledge into parts, and the ability to relate those parts to the whole concept.
 - The common phrases in analysis questions are: Differentiate, analyze, infer...

[Problem-based Learning Clearinghouse](#)

[American Memory Project](#)

Using the Web



- **SYNTHESIS**
 - Synthesis is assembling knowledge into a new whole. This means collecting information, and creating a new insight.
 - The common phrases in synthesis questions are: Design, devise, revise...

[ThinkQuest Library](#)

[Teachnology Science Web Quests](#)

Using the Web



- EVALUATION

- Evaluation is judging. Given certain criteria, students can judge the value of the information for a specific purpose.
- The common phrases in evaluation questions are: Evaluate, critique, compare...

[The National Constitution Center](#)
[Oral History through 42eXplore](#)

One Photograph... many levels

[A picture is worth a thousand words](#)

