



## 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](#)