Is it a way to collect taxes?

# Differentiation in Classroom Bloom's taxonomy

Is it something about flowers? Spring time, maybe?

I have no idea... something medical, perhaps.

# Bloom's taxonomy

- 1950's developer by Benjamin Bloom
- means of expressiong quatitatively different kinds of thinling
- One of the most universally applied models
- Provides a way to organize thinking skills into six levels from basic skills to higher order thinking
- Domains of educational activites:
- Knowledge cognitive
- Skills psychomotor
- Attitudes affective





**BLOOM'S TAXONOMY** 

# Bloom's taxonomy



| The Knowledge<br>Dimension | Remember   | Under-stand     | Apply    | Analyze         | Evaluate  | Create     |
|----------------------------|------------|-----------------|----------|-----------------|-----------|------------|
| Facts                      | list       | para-phrase     | classify | outline         | rank      | categorize |
| Concepts                   | recall     | explains        | show     | contrast        | criticize | modify     |
| Processes                  | outline    | estimate        | produce  | diagram         | defend    | design     |
| Procedures                 | reproduce  | give an example | relate   | identify        | critique  | plan       |
| Principles                 | state      | converts        | solve    | different-iates | conclude  | revise     |
| Meta-cognitive             | proper use | interpret       | discover | infer           | predict   | actualize  |

<u>Bloom's taxonomy in classroom</u>

### **Practical Bloom's**

- Suitable for use with the entire class
- Emphasis on certain levels for different children
- Extend children's thinking skills through emphasis on higher levels of the taxonomy (analysis, evaluation, creation)
- Possible approaches with a class could be:
  - All children work through the remembering and understanding stages and then select at least one activity from each other level
  - All children work through first two levels and then select activities from any other level
  - Some children work at lower level while others work at higher levels
  - All children select activities from any level
  - Some activities are tagged "essential" while others are "optional"
  - A thinking process singled out for particular attention eg. Comparing, (done with all children, small group or individual)
  - Some children work through the lower levels and then design their own activities at the higher levels
  - All children write their own activities from the taxonomy

(Black, 1988, p. 23).



# Sample Unit : Travel



| _ |               | A Determine of the   |
|---|---------------|--|
|   | Remembering   | How many ways can you travel from one place to another? List<br>and draw all the ways you know. Describe one of the vehicles<br>from your list, draw a diagram and label the parts. Collect<br>"transport" pictures from magazines- make a poster with info. |
|   | Understanding | How do you get from school to home? Explain the method of<br>travel and draw a map. Write a play about a form of modern<br>transport. Explain how you felt the first time you rode a bicycle.<br>Make your desk into a form of transport.                    |
|   | Applying      | Explain why some vehicles are large and others small. Write a story about the uses of both. Read a story about "The Little Red Engine" and make up a play about it. Survey 10 other children to see what bikes they ride. Display on a chart or graph.       |
|   | Analysing     | Make a jigsaw puzzle of children using bikes safely. What<br>problems are there with modern forms of transport and their<br>uses- write a report. Use a Venn Diagram to compare boats to<br>planes, or helicopters to bicycles.                              |
|   | Evaluating    | What changes would you recommend to road rules to prevent traffic accidents? Debate whether we should be able to buy fuel at a cheaper rate. Rate transport from slow to fast etc  |
|   | Creating      | Invent a vehicle. Draw or construct it after careful planning.<br>What sort of transport will there be in twenty years time?<br>Discuss, write about it and report to the class. Write a song  |





### A.1 Me and my social network





#### A.2 Me and my life





#### A.3 Me and my work





### A.4 Personal profile

