Defining the Thinking Levels in Bloom's Taxonomy

NEW GENERATION SCHOOLS

LEVEL	KEY DEFINITIONS
Remembering (Memory)	• Remembering Facts, Concepts, Principles, Processes, Procedures
Understanding	• Translating information from one form to another (e.g., Words to Pictures, Pictures to Words, etc.) • Interpretation and Interpolation
Applying	• Using a learned Principle to solve a problem
Analyzing	• Breaking an idea down into its component parts based on their logical relationship to each other • Comparing & Contrasting two or more things

LEVEL	KEY DEFINITIONS
Synthesizing	• Taking two or more ideas or concepts and combining them into a new composite idea that still retains some elements of the previous ideas.
Evaluating	• Creating standards or criteria to use as tools to evaluate something • Applying the standards developed in order to reach a judgment or conclusion about a particular idea or concept.

Exemplars from Each Taxonomy Level

1. REMEMBERING

- In what year did Christopher Columbus discover America? *(Remembering Facts)*

- What are the components of an atom? *(Remembering Facts)*

- What theory explains changes in the human race over the last 5 million years? *(Remembering Concepts)*

- Which formula below shows how we divide fractions? *(Remembering Principles)*

  a/b ÷ c/d =   a/b x d/c ☐

                    b/c x d/c ☐

                    a/d x c/b ☐

- What is the first thing we should do before starting an experiment? *(Remembering Procedures)*

2. UNDERSTANDING

- Summarize the story you have just read in your own words.

- Express the data in the table below as a diagram.

Year	Average Temperature
1950	22.5°
1960	22.8°
1970	24.0°
1980	26.4°
1990	27.5°

- Describe in your own words what the picture below is trying to show.

_____

_____

_____

- What number comes next?

  2 4 6 12   24 26 28 ___   112 114 116 ___

- Which of the following years does NOT belong with the other years shown?

  1776   1789   1917   1945   1975

3. APPLICATION

- Mr. Bun had ½ tank of gas in his motorcycle. If he used ¼ of a tank of gas each day to drive to work and back again, for how many days could he drive his motorcycle without having to refill it.

- According to the Laws of Physics, what would happen if the sun stopped revolving around the sun?

- Using rules of grammar and syntax, assemble the following words into a sentence:

  go will market and school that after to the tomorrow I to

4. ANALYSIS

- Make a diagram of the following sentence:

  Tomorrow I will go to school and after that to the market.

- What are the similarities and differences between Thum Thiew and Kolap Pailin? (Be sure to identify the various components that you are comparing e.g., characters, historical setting, genre, etc.)

- What are the major differences in the anatomy of a cow and a human being? (Be sure to identify the various components that you are comparing e.g., digestive system, skeletal system, etc.)

- What in your opinion was the key factor that caused the downfall of the Angkorian Empire? Be sure to justify your answer.

5. SYNTHESIS

- Using the principles of Haiku Poetry, try to write a Haiku-like poem in the Khmer language. Remember, Haiku poems must focus on Nature and follow a 4-4-6 line pattern for each stanza.

- Create an Exhibition for the Classroom about the Theory of Evolution based on research that you do in the library.

6. EVALUATION

- In your opinion, what period of history in Cambodian history is the most famous? Be sure to elaborate criteria of evaluation to justify your conclusion.

- Which book did you enjoy reading the most this year? Be sure to give clear reasons for your answer.