	Factual	Procedural	Conceptual	Metacognitive
Cognitive process	Knowing facts, concepts, ideas, theories	Knowing how to do something; steps or methods	Knowing when and why to use facts or procedures; knowledge of principles and generalizations	Knowledge of cognition in general, as well as awareness and knowledge of one's own cognition
Create	Categorize facts, concepts, ideas, behaviors, emotions	n Develop a strategic plan for X	Design a proposal that meets X, Y, Z criteria	Integrate: concept map the various elements involved in X
Evaluate	Evaluates ideas through reasoning, experience, values, conceptual understanding, alignment with a goal or purpose Determines whether a fact corresponds with reality, whether it is true  Compares arguments or summarizes pros and cons based on patterns in the data	Evaluates methods through reasoning, experience, values, conceptual understanding, alignment with a goal or purpose	Select the most appropriate ideas and facts related to a method. Select the most appropriate solution. Research. Explain and justify	Reflects, revises, and processes to improve outcomes Asks follow-up questions Judges the value, worth, or quality of a situation based on established criteria
Analyze	on patterns in the data  Identifies patterns in speech and images in a probabilistic way (i.e., using predictive algorithms) in the data it was trained on	Breaks a problem down into steps	Selects the key points of a source based on previous understanding and aims Identifies the different aspects of the problem, the factors contributing to it, and potential solutions	Revises the representation of a source (i.e., the key points selected by human or Al). Breaks down a method, procedure or problem and revise its steps.
Apply	Selects related ideas or facts because they are statistically likely to appear together in the training data	Follows a procedure to solve a problem or a query Tries to solve a problem through trial and error	rule or procedure to use in a specific context, implying	Uses facts, ideas, concepts, and methods in a specific context and revises the application of thereof
Understand	Paraphrases, rewrites, and summarizes facts and ideas	Gives examples Summarizes procedures, methods, and steps involved in doing something	Selects facts, ideas, and procedures based on patterns it learned during training	Explains ideas, concepts, theories, or the steps involved in performing a task in their own words
Remember	List facts, concepts, ideas, images	Reproduces procedures (i.e., algorithms)	Lists related concepts and procedures (e.g., basic mathematic operations)	Identifies facts, ideas, patterns in speech, images, emotions, behaviors, social contexts, and omissions in patterns



