

Appendix 1

Detailed matrix concerning the dimensions of the cognitive process, with hypothetical verbs to use in their formulation and examples of application.

Main types and subtypes of cognitive process dimensions			
Categories Process	Cognitive Process	Verbs	Exemples
Remember	Retrieve relevant information in long-term memory		
	Retrieving	recalling	Recall the dates of important events of the country
	Recognizing	Identifying	Recognize the names of the types of drinks
Understand	Construct meaning from instructional messages oral, written, or graphic communication		
	Interpreting	Clarifying Translating Paraphrasing	Paraphrase importante speeches and documents
	Exemplifying	Illustrating Instantiating	Give examples of various artistic painting styles
	Classifying	Categorizing Subsuming	Classifying a communication style
	Summarizing	Abstracting Generalizing	Writing a summary of a text
	Infering	Concluding Extrapolating Predicting	Inferring the communication principles to be applied
	Comparing	Mapping Matching	Compare handcrafted and industrial manufacturing methods
	Explaining	Constructing models	Explaining the causes of the financial crisis
Apply	Carry out or use a procedure in a given situation		
	Executing	Carrying out	Divide one whole number by another whole number, both with multiple digits
	Implementing	Using	Determine the situations in which the Pythagorean theorem is used

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Analyse	Ability to break down information into its constituent parts and determine how the parts relate to each other and constitute a structure or purpose		
	Differentiating	Discriminating Distinguishing Selecting	Distinguish data relevant to solving a problem
	Organizing	Integrating Structuring	Structure evidence in a historical description into evidence for and against a particular historical explanation
	Attributing	Deconstructing	Determine the point of view of the author of an essay in terms of his or her political perspective
Evaluate	Making judgements based on criteria or standards		
	Checking	Detecting Testing	Determine whether a scientist's conclusions follow from observed data
	Critiquing	Evaluating	Judge which of two methods is the best way to solve a given problem
Create	Ability to put elements together in a coherent and functional way or rearrange elements into a new pattern or structure		
	Generating	Hypothesizing	Generate hypotheses to account for an observed phenomenon
	Planning	Designing	Plan a research paper on a given historical topic)
	Producing	Constructing	Build habitats for certain species for certain purposes

Source: adapted from Anderson & Krathwohl's Taxonomy, 2001 and Rocha (2014)