

COGNITIVE RIGOR

TAXONOMY

Used with targets that start with "understands"

Level of Difficulty	Process	Useful Verbs, Phrases, Definitions
Knowledge Utilization	Investigating	<i>Generate and test a hypothesis using assertions and opinions</i>
	Experimenting	<i>Generate and test a hypothesis using data collection</i>
	Problem Solving	<i>Accomplish a goal for which obstacles exist</i>
	Decision Making	<i>Use information to make a decision</i>
	Invention	<i>Develop a unique product/process that fulfills a perceived need</i>
Analysis	Deductive Reasoning	<i>Identify logical conclusions or predictions of information</i>
	Inductive Reasoning	<i>Infer new generalizations from known new knowledge</i>
	Constructing Support	<i>Build support for assertions of statements</i>
	Analyzing Perspectives	<i>Identify reasons/logic for multiple perspectives on an issue</i>
	Analyzing Errors	<i>Identify logical or factual errors in knowledge</i>
	Abstracting	<i>Identify similarities & differences among chunks of information</i>
	Classifying	<i>Identify similarities & differences among list of items</i>
Comprehension	Comparing	<i>Identify similarities & differences among items</i>
	Symbolizing	<i>Construct symbolic representations of information</i>
Retrieval	Integrating	<i>Identify basic elements/structure of knowledge</i>
	Executing	<i>Carry out a mental or physical exercise</i>
	Recalling & Recognizing	<i>Produce information regarding DK and PK, or identify accurate statements regarding DK and PK</i>

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SOURCE: Dimensions of Learning (Marzano & Pickering); The New Taxonomy of Educational Objectives (Marzano & Kendall)