

## Costa's and Bloom's Levels of Thinking: Comparison Chart

LEVEL	COSTA'S	BLOOM'S	VOCABULARY WORDS LEVELS OF THINKING		
Higher-Order Thinking Skills HOTS	<b>(OUTPUT)</b>  <b>Applying Information:</b>  Applying and evaluating actions, solutions, and connections made in order to predict	<b>Creating:</b> <b>Can the students:</b> <ul style="list-style-type: none"> <li>• Create/generate new ideas, products, or points of view</li> <li>• Combine ideas/thoughts to develop an innovative idea, solution, or way of thinking</li> </ul>	Assemble Build Construct Create Design	Develop Devise Formulate Imagine Invent	Make Plan Produce Write
		<b>Evaluating:</b> <b>Can the students:</b> <ul style="list-style-type: none"> <li>• Justify a stand or decision</li> <li>• Judge the value of an idea, item, or technique by creating and applying standards/criteria</li> </ul>	Appraise Argue Check Critique Defend Detect	Forecast Generalize Hypothesize If/Then Judge Predict	Select Speculate Support Test Valuate Value
	<b>(PROCESSING)</b>  <b>Processing Information:</b>  Making sense out of information; processing the information gathered by making connections and creating relationships	<b>Analyzing:</b> <b>Can the students:</b> <ul style="list-style-type: none"> <li>• Distinguish between the different parts</li> <li>• Explore and understand relationships between the components/parts</li> </ul>	Attribute Classify Compare Contrast Criticize Deconstruct Differentiate	Discriminate Distinguish Examine Experiment Explain Why Infer	Integrate Organize Outline Question Sort Structure
Lower-Order Thinking Skills LOTS	<b>(INPUT)</b>  <b>Gathering Information:</b>  Identifying and recalling information	<b>Understanding:</b> <b>Can the students:</b> <ul style="list-style-type: none"> <li>• Explain ideas or concepts</li> <li>• Understand information provided</li> </ul>	Classify Complete Describe Discuss	Explain Identify Locate Paraphrase	Recognize Report Select Translate
		<b>Remembering:</b> <b>Can the students:</b> <ul style="list-style-type: none"> <li>• Recall or remember the information</li> <li>• Recognize specific information</li> </ul>	Define Duplicate List	Memorize Recall Repeat	Reproduce State