	Webb's Depth-of-Knowledge Levels (DOK)  Note: DOK is about complexity—not difficulty!			
Bloom's Revised Taxonomy	Level 1	Level 2	Level 3	Level 4
	Recall and Reproduction	Skills and Concepts	Strategic Thinking/Reasoning	Extended Thinking
Remember Retrieve knowledge from long- term memory, recognize, recall, locate, identify, explain, interpret, describe, demonstrate	<ul> <li>Recall, observe and recognize facts, principles, and properties.</li> <li>Read a measurement.</li> </ul>	Make conversions with numbers and measurements.		
Understand Construct meaning, clarify, represent, illustrate, classify, categorize, summarize, generalize, infer a logical conclusion (such as from examples given), predict, compare/contrast, match like ideas, explain, construct models	<ul> <li>Select appropriate word for intended meaning.</li> <li>Represent relationships in words, pictures, or symbols</li> <li>Give examples.</li> <li>Identify a hypothesis.</li> <li>Make and record observations.</li> </ul>	<ul> <li>Explain relationships (examples/non-examples; cause/effect).</li> <li>Make basic inferences or logical predictions from data/ observations.</li> <li>Summarize results, concepts, ideas</li> <li>Recognize concepts in varied ways (text, table, or diagram).</li> </ul>	Use concepts to explain non-routine problems.     Explain, generalize, or connect ideas using supporting evidence.     Explain thinking when more than one response is possible.     Explain phenomena in terms of concepts.	<ul> <li>Relate scientific concepts to other content areas or other concepts.</li> <li>Develop generalizations of the results obtained and the strategies used and apply them to new problem situations.</li> </ul>
Apply Carry out or use a procedure in a given situation; carry out (apply to a familiar task), or use (apply) to an unfamiliar task.	<ul> <li>Follow simple procedures.</li> <li>Locate data in a table or graph.</li> <li>Calculate, measure, apply a rule.</li> <li>Solve a simple formula with one unknown.</li> <li>Use tools to collect data.</li> <li>Conduct a confirmation/verification investigation</li> </ul>	<ul> <li>Solve a routine problem applying more than one concept.</li> <li>Use models /diagrams to explain concepts.</li> <li>Make a table to record data.</li> <li>Translate between tables, graphs and words (e.g., graph data from a table).</li> <li>Conduct a teacher-led guided inquiry investigation.</li> </ul>	<ul> <li>Solve a non-routine problem applying more than one concept.</li> <li>Design an investigation for a specific purpose or question.</li> <li>Use &amp; show reasoning, planning, and evidence.</li> <li>Conduct a student-led guided inquiry investigation.</li> </ul>	<ul> <li>Select or devise the best approach among many alternatives to solve a problem.</li> <li>Make changes to experimental design when new information is presented.</li> <li>Conduct an open inquiry investigation.</li> </ul>
Analyze Break into constituent parts, determine how parts relate, differentiate between relevant/irrelevant, distinguish, select, organize, outline, find connections, deconstruct	<ul> <li>Retrieve information from a table or graph to answer a question.</li> <li>Identify a pattern/trend.</li> </ul>	<ul> <li>Use data from a table or graph to solve a problem with multiple steps.</li> <li>Classify materials &amp; data based on characteristics.</li> <li>Organize, analyze, and interpret simple data.</li> <li>Compare/ contrast concepts or data.</li> <li>Extend a pattern</li> </ul>	<ul> <li>Compare information within or across data sets.</li> <li>Analyze data, citing evidence.</li> <li>Interpret complex data.</li> <li>Analyze similarities/differences between procedures or solutions.</li> <li>Generalize a pattern.</li> </ul>	<ul> <li>Analyze multiple sources of evidence.</li> <li>Analyze complex/abstract ideas.</li> </ul>
Evaluate  Make judgments based on criteria, check, detect inconsistencies or fallacies, judge, critique		<ul> <li>Evaluate a simple hypothesis.</li> <li>Evaluate information to make a conclusion.</li> <li>Draw conclusions from data.</li> <li>Evaluate complex/abstract explanations.</li> <li>Connect data to claims.</li> </ul>	<ul> <li>Evaluate information from multiple sources to make a conclusion.</li> <li>Identify the best hypothesis, data or conclusion from given information.</li> <li>Verify reasonableness of results.</li> </ul>	<ul> <li>Apply understanding in a novel way for argument or justification of conclusions.</li> <li>Apply conclusions to a new situation.</li> </ul>
Create Reorganize elements into new patterns/structures, generate, hypothesize, design, plan, construct, produce	Brainstorm ideas, concepts, or perspectives related to a topic.	<ul> <li>Generate an original hypothesis based on observations or prior knowledge and experience.</li> <li>Create an original model.</li> </ul>	<ul> <li>Generate a hypothesis for an original problem.</li> <li>Design an independent investigation.</li> <li>Develop a model for a complex situation.</li> </ul>	<ul> <li>Synthesize information across multiple sources or texts.</li> <li>Design a model to explain or solve a real-world, complex or abstract situation.</li> </ul>



