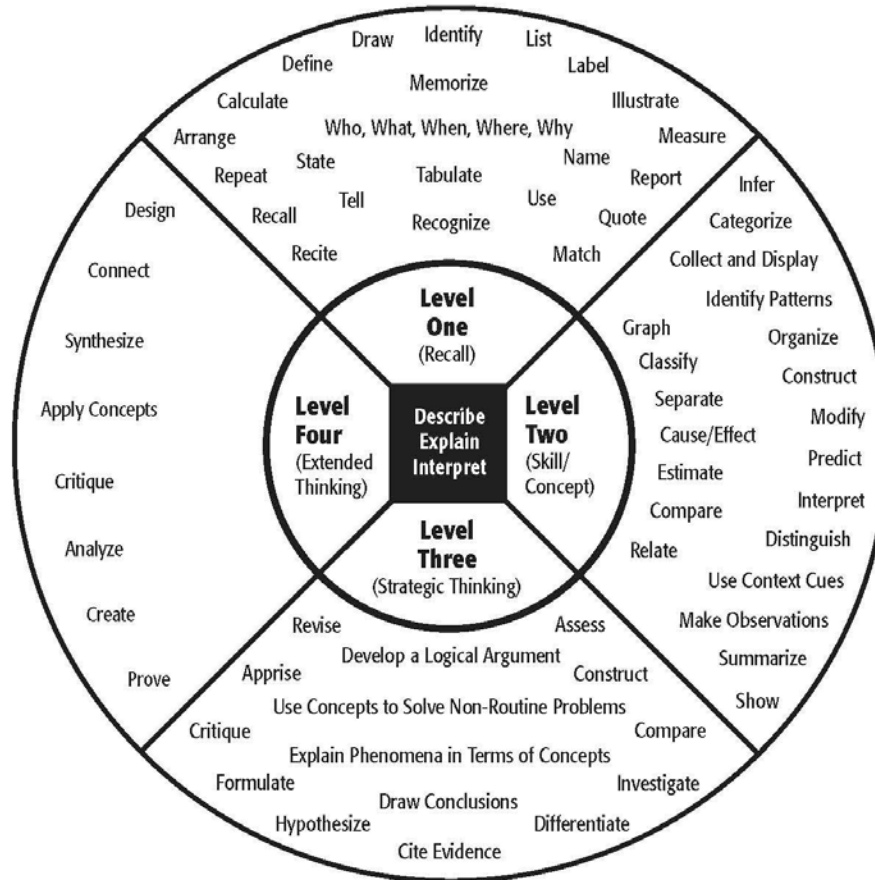


# Depth of Knowledge (DOK) Levels



Level One Activities	Level Two Activities	Level Three Activities	Level Four Activities
<p>Recall elements and details of story structure, such as sequence of events, character, plot and setting.</p> <p>Conduct basic mathematical calculations.</p> <p>Label locations on a map.</p> <p>Represent in words or diagrams a scientific concept or relationship.</p> <p>Perform routine procedures like measuring length or using punctuation marks correctly.</p> <p>Describe the features of a place or people.</p>	<p>Identify and summarize the major events in a narrative.</p> <p>Use context cues to identify the meaning of unfamiliar words.</p> <p>Solve routine multiple-step problems.</p> <p>Describe the cause/effect of a particular event.</p> <p>Identify patterns in events or behavior.</p> <p>Formulate a routine problem given data and conditions.</p> <p>Organize, represent and interpret data.</p>	<p>Support ideas with details and examples.</p> <p>Use voice appropriate to the purpose and audience.</p> <p>Identify research questions and design investigations for a scientific problem.</p> <p>Develop a scientific model for a complex situation.</p> <p>Determine the author's purpose and describe how it affects the interpretation of a reading selection.</p> <p>Apply a concept in other contexts.</p>	<p>Conduct a project that requires specifying a problem, designing and conducting an experiment, analyzing its data, and reporting results/solutions.</p> <p>Apply mathematical model to illuminate a problem or situation.</p> <p>Analyze and synthesize information from multiple sources.</p> <p>Describe and illustrate how common themes are found across texts from different cultures.</p> <p>Design a mathematical model to inform and solve a practical or abstract situation.</p>

Webb, Norman L. and others. "Web Alignment Tool" 24 July 2005. Wisconsin Center of Educational Research, University of Wisconsin-Madison. 2 Feb. 2006. <<http://www.wcer.wisc.edu/WAT/index.aspx>>

## Depth of Knowledge/Rigor Chart and Checklist

Use the following chart to help create and categorize assessment items. The range of rigor of the assessment items should reflect the rigor of the course content and instruction.

Level	Learner Action	Key Actions	Sample Question Stems	Question Numbers/Portfolio Components
<i>Level 1: Recall</i>	Requires simple recall of such information as a fact, definition, term, or simple procedure.	List, Tell, Define, Label, Identify, Name, State, Write, Locate, Find, Match, Measure, Repeat	How many...? Label parts of the.... Which is true or false...?	
<i>Level 2: Concept</i>	Involves some mental skills, concepts, or processing beyond a habitual response; students must make some decisions about how to approach a problem or activity.	Estimate, Compare, Organize, Interpret, Modify, Predict, Cause/Effect, Summarize, Graph, Classify	Identify patterns in... Use context clues to... Predict what will happen when... What differences exist between...? If x occurs, y will....	
<i>Level 3: Strategic Thinking</i>	Requires reasoning, planning, using evidence, and thinking at a higher level.	Critique, Formulate, Hypothesize, Construct, Revise, Investigate, Differentiate, Compare	Construct a defense of.... Can you illustrate the concept of...? Apply the method used to determine...? Use evidence to support....	
<i>Level 4: Extended Thinking</i>	Requires complex reasoning, planning, developing, and thinking, most likely over an extended time. Cognitive demands are high, and students are required to make connections both within and among subject domains.	Design, Connect, Synthesize, Apply, Critique, Analyze, Create, Prove, Support	Design x in order to.... Develop a proposal to.... Create a model that.... Critique the notion that...	