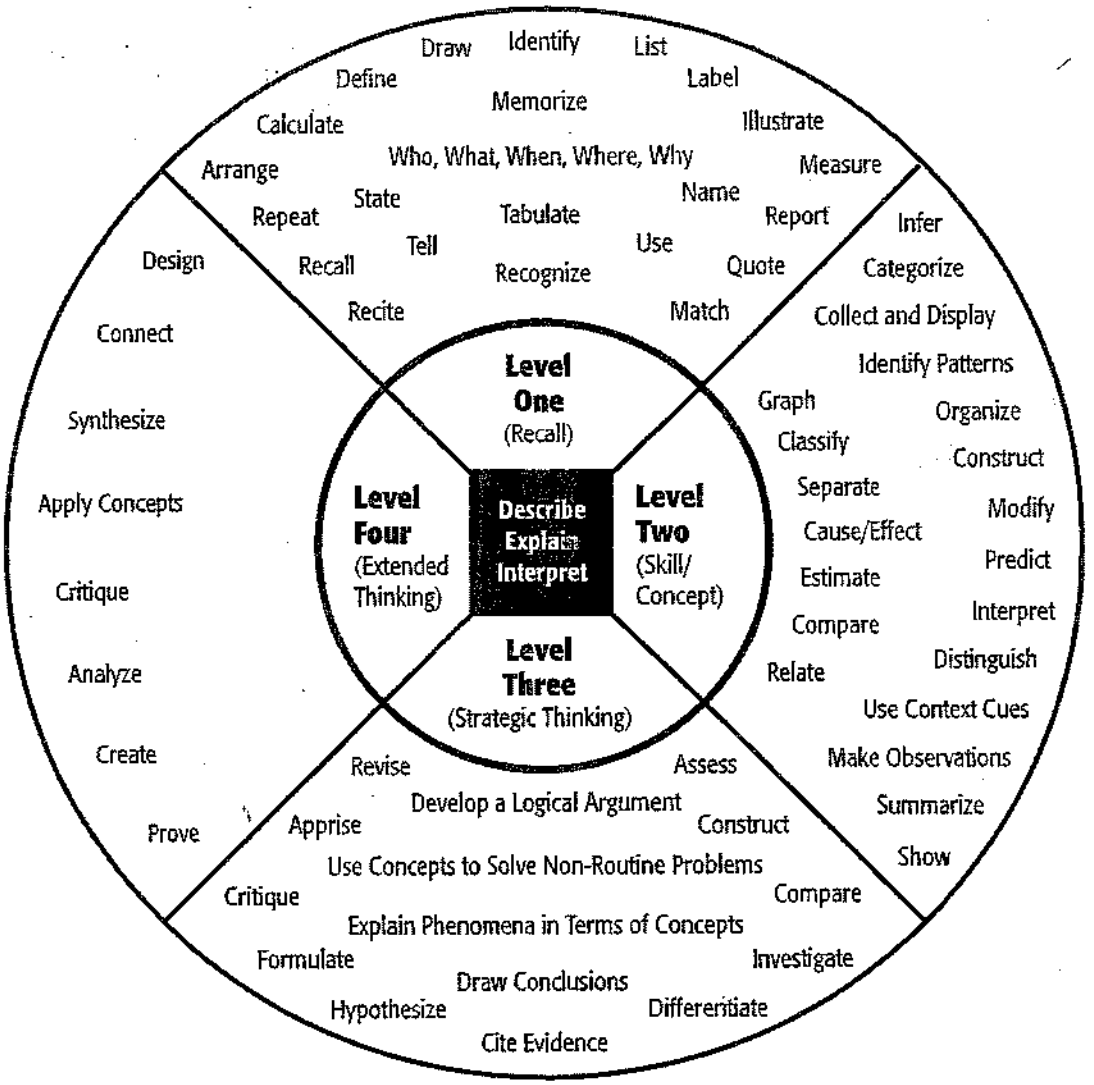
Depth of Knowledge (DOK) Levels



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

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>.

Questions and Key Words for Critical Thinking

Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation
Exhibit memory of previously-learned materials by recalling facts, terms, basic concepts and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions and stating main ideas.	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.	Present and defend opinions by making judgments about information, validity of ideas or quality of work based on a set of criteria.
What is...? Where is....? How did...happen? Why did...? When did...? How would you show...? Who were the main...? Which one...? How is...? When did...happen? How would you explain...? How would you describe...? Can you recall...? Can you list the three...? Who was...?	How would you classify the type of....? How would you compare...? contrast? Will you state or interpret in your own words...? How would you rephrase the meaning...? What facts and ideas show...? What is the main idea of...? Which statements support...? Can you explain what is happening..? what is meant..? What can you say about..? Which is the best answer? How would you summarize?	How would you use...? What examples can you find to..? How would you solve__using what you've learned...? How would you show your understanding of ..? What approach would you use to ...? How would you apply what you learned to develop...? What other way would you plan to...? What would result if...? Can you make use of the facts to...? What elements would you choose to change...? What facts would you select to show...? What questions would you ask in an interview with..?	What are the parts or features of...? How is __related to..? Why do you think..? What is the theme..? What motive is there...? Can you list the parts...? What inference can you make...? What conclusions can you draw..? How would you classify..? How would you categorize...? Can you identify the different parts..? What evidence can you find..? What is the relationship between..? Can you make a distinction between...? What is the function of...? What ideas justify..?	What changes would you make to solve...? How would you improve...? What would happen if...? Can you elaborate on the reason...? Can you propose an alternative...? Can you invent...? How would you adapt___to create a different...? How could you estimate the results for..? What facts can you compile...? Can you think of an original way for the..? Can you construct a model that would change..?	Do you agree with the actions..? with the outcome...? What is your opinion of ..? How would you prove...?disprove...? Can you assess the value and importance of..? Would it be better if...? Why did they (character) choose...? What would you recommend..? How would you rate the..? What would you cite to defend the actions...? How would you evaluate...? How would you determine...? What choice would you have made...? What would you select...? How would you prioritize...? What judgment would you make about...? Based on what you know, how would you explain...? What information would you use to support the view...? What data was used to make the conclusion...? Why was it better that...? How would you prioritize the facts...? How would you compare the ideas...? people...?
who what choose list find match why how name when define relate omit label tell where show recall which spell select	compare contrast demonstrate interpret explain extend illustrate infer outline relate rephrase translate summarize show classify	apply build choose construct develop interview make use of organize experiment with plan select solve utilize model identify	analyze categorize classify compare contrast discover dissect divide examine inspect simplify survey take part in test for distinguish list distinction theme relationships function motive inference assumption conclusion	build choose combine compile compose construct create design develop estimate formulate imagine invent make up improve originate plan predict propose solve solution suppose discuss modify change original improve adapt minimize happen maximize delete theorize elaborate test	award choose conclude criticize decide defend determine dispute evaluate judge justify measure compare mark rate deduct recommend rule on select agree appraise prioritize opinion interpret explain support importance criteria prove disprove assess influence perceive value estimate influence