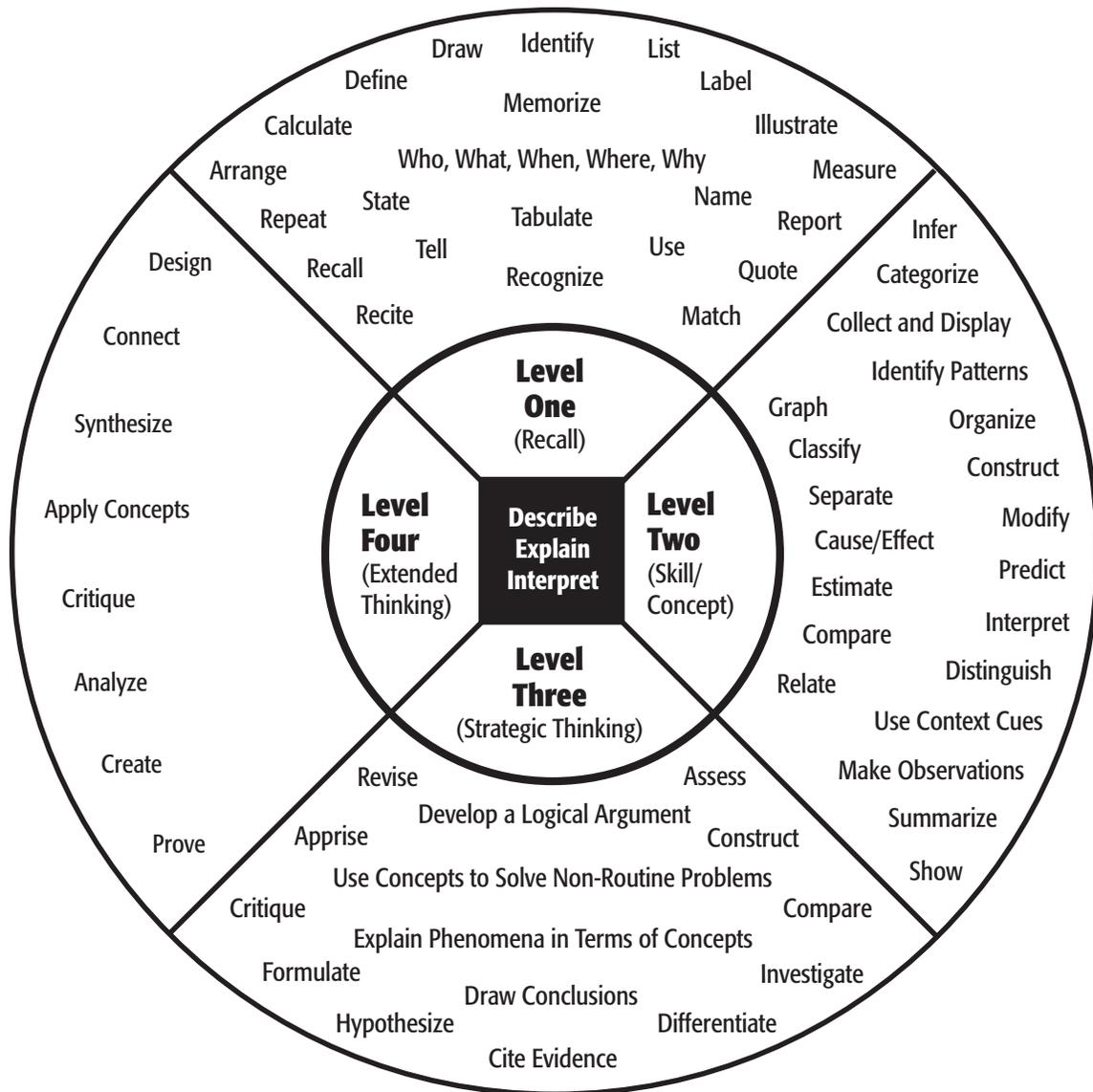


Depth of Knowledge (DOK) Levels



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.	Apply mathematical model to illuminate a problem or situation.
Label locations on a map.	Solve routine multiple-step problems.	Identify research questions and design investigations for a scientific problem.	Analyze and synthesize information from multiple sources.
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.	Describe and illustrate how common themes are found across texts from different cultures.
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.	Design a mathematical model to inform and solve a practical or abstract situation.
Describe the features of a place or people.	Formulate a routine problem given data and conditions.	Apply a concept in other contexts.	
	Organize, represent and interpret data.		

READING

- LEVEL 1: Using basic skills or abilities; Recall of information

Ex: *Shallow understanding of text; use a dictionary to look up definitions; oral reading with basic comprehension*

- LEVEL 2: Comprehension and processing of text; Basic reasoning

Ex: *Predicting outcomes in a story; Identify and summarize major events in a narrative; Locate information to answer questions related to central ideas in informational texts*

- LEVEL 3: Connect ideas, explain, support, relate to text, and justify

Ex: *Determine author's purpose in a story and describe how it affects the interpretations; Summarize information from multiple sources to address a common topic; Draw inferences about purpose, message or theme*

- LEVEL 4: Apply information from a passage for a new task. Extended activities: HOTS

Ex: *Analyze and synthesize information from a variety of sources; Evaluate the relevancy and accuracy of information*

MATH

- LEVEL 1: Recall basic information; Apply formula

Ex: $12 \times 8 = 96$

Length x Width

$$4 + 5 = 9$$

- LEVEL 2: Classify, interpret data; collect and organize; Two step process with decision making included

Ex: *Take water temperature over a week and record; Create a graph*

- LEVEL 3: Explain, use evidence, draw conclusion and justify; complex and abstract

Ex: *Make conjectures about temperature fluctuation, patterns, and why? An activity that has more than one possible answer or more than one way to solve*

- LEVEL 4: Lasts for a long period, complex, make connections, multiple tasking

Ex: *Set up experiment to test different variables affecting water temperature; Solve an equation, create a graph from the equation, and explain*

SOCIAL STUDIES

- LEVEL 1: Recall facts, terms, or trends; Requires students to identify, list, or define

Ex: Identify information contained in maps, charts, or tables

- LEVEL 2: Basic reasoning, describe, and explain (how or why) beyond recalling

Ex: Describe cause/effect of events; Categorize events into meaningful groups: Compare/contrast people, events

- LEVEL 3: Complex Reasoning. Explain how and why to justify

Ex: Draw conclusion, cite evidence, apply, and analyze; Make and support inferences about causes and effects; Analyze similarities and differences in issues

- LEVEL 4: Extended Reasoning: Investigating, planning or an idea (connecting)

Ex: Analyze, synthesize, make predictions, and develop argument and solutions; Given a situation, research, define, describe, and provide alternative solutions

SCIENCE

- LEVEL 1: Recall facts, definitions, or simple procedures; involves one simple step

Ex: Illustrate and label steps in a food chain or water cycle

- LEVEL 2: More complex approach with more than one step

Ex: Describe and explain examples and non-examples of living things

- LEVEL 3: Multi-step task requiring more demanding reasoning, and justification with evidence

Ex: Explain with detail how we would be affected if there were no plants with a logical argument

- LEVEL 4: Very complex; Requiring several connections relating within content areas

Ex: Conduct a complex experiment using the scientific method with several controlled variables

WRITING

- LEVEL 1: Write or recite simple facts; Make a list

Ex: List three reasons from simple recall and give few details

- LEVEL 2: Use mental processing

Ex: Note taking or outlining to organize ideas; Constructing a variety of sentence types (compound, simple, phrases); Editing final drafts in relationship to mechanics and conventions including grammar, punctuation and capitalization

- LEVEL 3: Use higher order level mental processes, and justify

Ex: Support ideas with details, use voice, and examples; Use voice appropriate to the purpose; Edit to produce a logical progression of ideas edit writing; Developing compositions that include multiple paragraphs

- LEVEL 4: User high level thinking

Ex: Write an analysis of selections, identifying the common theme and generating a purpose that is appropriate for both; Creating compositions that demonstrate a distinct voice that stimulates the reader to consider new perspectives

PRACTICAL LIVING

- LEVEL 1: List; name; recall; describe

Ex: Name a safety practice that can be used at school

- LEVEL 2: Explain; interpret; compare example

Ex: Describe the flow of blood through the heart

- LEVEL 3: Solve; illustrate; interpret; distinguish

Ex: Interpreting and evaluating heart rate; Monitor data for effective use of target heart rate; Modify a fitness/diet plan for individual needs

- LEVEL 4: User high level thinking

Ex: Design a wellness plan for your school

ARTS AND HUMANITIES

- LEVEL 1: Use a variety of tools; Identify specific information in artworks

Ex: Students playing an instrument from the string family; Students recalling information from a piece of art

- LEVEL 2: Compare artworks and concepts used in artworks; classify, sort items into meaningful categories

Ex: Compare/contrast two pieces of art' Classify instruments into the string and brass families

- LEVEL 3: Recognize and explain misconceptions; Use evidence to justify

Ex: Identify or describe elements of music in a variety of music; identify or describe elements of art and principles of design in works of art

- LEVEL 4: Use higher order of thinking

Ex: Connect and relate ideas and concepts within content area or among content areas; Describe and illustrate how common themes and concepts are found across time and place; create an original piece of art or music