**APPENDIX D- Depth of Knowledge (DOK) Levels**

Deﬁne

Calculate

Draw Identify

Memorize

List

Label

Illustrate

Arrange

Who, What, When, Where, Why

Measure

Repeat

State

Tabulate

Tell Use

Name

Report

Infer

Design

Connect

Recall

Recite

Recognize

**Level**

Quote

Match

Categorize

Collect and Display

Identify Patterns

Synthesize

Apply Concepts

Critique

Analyze

**Level Four** (Extended Thinking)

**One**

(Recall)

Describe Explain Interpret

**Level**

**Three**

**Level Two** (Skill/ Concept)

Graph

Classify Separate Cause/Effect Estimate Compare

Relate

Organize

Construct Modify Predict Interpret

Distinguish

Create

Revise

(Strategic Thinking)

Assess

Use Context Cues

Make Observations

Prove

Apprise

Develop a Logical Argument

Construct

Summarize

Critique

Use Concepts to Solve Non-Routine Problems

Explain Phenomena in Terms of Concepts

Compare

Show

Formulate

Hypothesize

Draw Conclusions

Cite Evidence

Investigate

Differentiate

*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>.*](http://www.wcer.wisc.edu/WAT/index.aspx)

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