Toolbox

Chapter 2: Foundation for Learning

Bloom’s/DOK Curricular Examples

Across Content Areas

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| **Bloom’s Level** | **Webb’s**  **DOK** | **Curricular Examples** |
| **Create** | **Level 4** | **Reading:** Articulate a new voice, alternate theme, new knowledge or perspective.  **Math/Science:** Design a mathematical model to inform and solve a practical or abstract situation.  **SS/Humanities:** Create historical fiction drawing on sources. |
| **Level 3** | **Reading:** Develop a complex model for a given situation.  **Math/Science:** Formulate an original problem given a situation.  **SS/Humanities:** Develop and support an alternative solution. |
| **Level 2** | **Reading:** Generate conjectures or hypotheses based on observations or prior knowledge and experience.  **Math/Science:** Generate conjectures or hypotheses based on observations or prior knowledge and experience.  **SS/Humanities:** Generate testable conjectures or hypotheses based on observations, prior knowledge, and/or artifacts. |
| **Level 1** | **Reading:** Brainstorm ideas, concepts, problems, or perspectives related to a topic, principle, or concept.  **Math/Science:** Brainstorm ideas, concepts, or perspectives related to a topic.  **SS/Humanities:** Brainstorm ideas, concepts, problems, or perspectives related to a topic, principle, or concept. |
| **Evaluate** | **Level 4** | **Reading:** Apply understanding in a novel way, provide argument or justification for the application.  **Math/Science:** Gather, analyze, and evaluate information to draw conclusions.  **SS/Humanities:** Evaluate relevancy, accuracy, and completeness of information using multiple sources. |
|  | **Level 5** | **Reading:** Cite evidence and develop a logical argument for conjectures.  **Math/Science:** Verify reasonableness of an answer.  **SS/Humanities:** Critique conclusions drawn/evidence used/  credibility of sources. |

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| **Bloom’s Level** | **Webb’s**  **DOK** | **Curricular Examples** |
| **Analyze** | **Level 4** | **Reading:** Select or devise an approach among many alternatives to research a novel problem.  **Math/Science:** Analyze multiple sources of evidence.  **SS/Humanities:** Analyze diverse/complex/abstract perspectives. |
| **Level 3** | **Reading:** Analyze or interpret author’s craft (literary devices, viewpoint, or potential bias) to create or critique a text.  **Math/Science:** Analyze and draw conclusions from data, citing evidence.  **SS/Humanities:** Use reasoning, planning, and evidence to support or refute inferences in policy or speech. |
| **Level 2** | **Reading:** Distinguish relevant-irrelevant information, fact/opinion.  **Math/Science:** Categorize, classify materials, data, figures based on characteristics.  **SS/Humanities:** Distinguish relevant-irrelevant information, fact/ opinion; primary from a secondary source. |
| **Level 1** | **Reading:** Decide which test structure is appropriate to audience and purpose.  **Math/Science:** Retrieve information from a table or graph to answer a question.  **SS/Humanities:** Identify ways symbols and metaphors are used to represent universal ideas. |



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| **Bloom’s Level** | **Webb’s**  **DOK** | **Curricular Examples** |
| **Apply** | **Level 4** | **Reading:** Explain how concepts or ideas specifically relate to other content.  **Math/Science:** Conduct a project that specifies a problem, identifies solution paths, solves the problem, and reports results.  **SS/Humanities:** Integrate or juxtapose multiple (historical, cultural) contexts drawn from source materials with intent to develop a complex or multimedia product or personal viewpoint. |
| **Level 3** | **Reading:** Apply internal consistency of text organization and structure to composing a full composition.  **Math/Science:** Use and show reasoning, planning, and evidence.  **SS/Humanities:** Investigate to determine how a historical/cultural/ political context may be the source of an underlying theme, central idea or unresolved issue or crisis. |
| **Level 2** | **Reading:** Obtain and interpret information using text features.  **Math/Science:** Select a procedure according to criteria and perform it.  **SS/Humanities:** Interpret information using text features (diagrams, data tables, captions, etc.). |
| **Level 1** | **Reading:** Apply rules or resources to edit spelling, grammar, punctuation, conventions, word use.  **Math/Science:** Apply algorithm or formula (e.g. area, perimeter).  **SS/Humanities:** Apply use of reference materials and tools to gather information (e.g., key word searches). |



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| **Bloom’s Level** | **Webb’s**  **DOK** | **Curricular Examples** |
| **Understand** | **Level 4** | **Reading:** Explain how concepts or ideas specifically relate to other content.  **Math/Science:** Relate mathematical or scientific concepts to other content areas, other domains, or other concepts.  **SS/Humanities:** Apply generalizations to new problem-based situations. |
| **Level 3** | **Reading:** Identify/make inferences about explicit or implicit themes.  **Math/Science:** Explain thinking/reasoning when more than one solution or approach is possible.  **SS/Humanities:** Explain, generalize, or connect ideas using supporting evidence (quote, example, text, reference, data). |
| **Level 2** | **Reading:** Summarize results, concepts, ideas.  **Math/Science:** Summarize results or concepts.  **SS/Humanities:** Summarize results, concepts, main ideas, generalizations. |
| **Level 1** | **Reading:** Describe/explain who, what, where, when, or how.  **Math/Science:** Solve a one-step problem.  **SS/Humanities:** Define facts, details, terms, principles. |

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| **Remember** | **Level 1** | **Reading:** Recall, recognize, or locate basic facts, terms, details, events, or ideas explicit in texts.  **Math/Science:** Recall, observe, and recognize facts, principles, and properties.  **SS/Humanities:** Recall or locate key facts, dates, terms, details, events, or ideas explicit in texts. |