

Hess' Cognitive Rigor Matrix:

Applies Webb's DOK to Bloom's Cognitive Process Dimensions

Depth + thinking	Level 1 Recall & Reproduction	Level 2 Basic Skills & Concepts	Level 3 Strategic Thinking & Reasoning	Level 4 Extended Thinking
Remember	<ul style="list-style-type: none"> - Recall, locate basic facts, details, events 			
Understand	<ul style="list-style-type: none"> - Select appropriate words to use when intended meaning is clearly evident 	<ul style="list-style-type: none"> - Specify, explain relationships - summarize - identify main ideas 	<ul style="list-style-type: none"> - Explain, generalize, or connect ideas using supporting evidence (quote, example...) 	<ul style="list-style-type: none"> - Explain how concepts or ideas specifically relate to other content domains or concepts
Apply	<ul style="list-style-type: none"> - Use language structure (pre/suffix) or word relationships (synonym/antonym) to determine meaning 	<ul style="list-style-type: none"> - Use context to identify meaning of word - Obtain and interpret information using text features 	<ul style="list-style-type: none"> - Use concepts to solve non-routine problems 	<ul style="list-style-type: none"> - Devise an approach among many alternatives to research a novel problem
Analyze	<ul style="list-style-type: none"> - Identify whether information is contained in a graph, table, etc. 	<ul style="list-style-type: none"> - Compare literary elements, terms, facts, events - analyze format, organization, & text structures 	<ul style="list-style-type: none"> - Analyze or interpret author's craft (literary devices, viewpoint, or potential bias) to critique a text 	<ul style="list-style-type: none"> - Analyze multiple sources or texts - Analyze complex/abstract themes
Evaluate			<ul style="list-style-type: none"> - Cite evidence and develop a logical argument for conjectures 	<ul style="list-style-type: none"> - Evaluate relevancy, accuracy, & completeness of information
Create	<ul style="list-style-type: none"> - Brainstorm ideas about a topic 	<ul style="list-style-type: none"> - Generate conjectures based on observations or prior knowledge 	<ul style="list-style-type: none"> - Synthesize information within one source or text 	<ul style="list-style-type: none"> - Synthesize information across multiple sources or texts

