

Remember

Understand

identify

models

Apply

or non-routine task

Revised Bloom's Taxonomy

Memorize, recognize, recall, locate,

Construct meaning, clarify, paraphrase,

examples, summarize, generalize, infer

a logical conclusion), predict, observe,

Carry out or use a procedure in a given

situation; carry out (apply to a familiar

task), or use (transfer) to an unfamiliar

represent, translate, illustrate, give

match like ideas, explain, construct

Webb's DOK Level 1

Recall & Reproduction

(e.g., explicit in a technical manual)

o Recall or locate key facts, terms,

o Select correct terms/ graphics for

o Describe/explain who, what, where,

o Define terms, principles, concepts

o Apply basic formulas, algorithms,

o Use reference materials and tools to

o Represent relationships with words.

details, procedures

intended meaning

diagrams, symbols

conversion rules

o Calculate; measure

gather information

o Demo safe procedures

o Solve routine problems

when, or how

HESS COGNITIVE RIGOR MATRIX | Career & Technical Education (CTE CRM) :





Analyze Break into constituent parts, determine how parts relate, compare-contrast, differentiate between relevant- irrelevant, distinguish, focus, select, organize, outline, find coherence, deconstruct (e.g., for potential bias, point of view, technique/strategy used)	 Identify trend, pattern, possible cause, or effect Describe processes or tools used to research ideas Identify ways symbols or metaphors are used to represent universal ideas Retrieve data to answer a question (e.g., diagram, graph) 	 o Compare similarities/ differences or draw inferences about due to influences of due to Distinguish relevant-irrelevant information; fact/opinion; primary from a secondary source o Extend a pattern o Organize and represent data o Categorize materials, data, etc. based on characteristics 	 Interpret information from a complex graph/model (e.g., interrelationships among variables, concepts) Use reasoning, planning, and evidence to support or refute inferences or results stated Use reasoning and evidence to generate criteria for making and supporting an argument Generalize & support a pattern/trend 	 Analyze multiple sources of evidence (e.g., compareDcontrast various plans, solution methods) Analyze and compare diverse/complex/ abstract perspectives, models, etc. Gather, organize, and analyze information from multiple sources to answer a research question
Evaluate Make judgments based on specified criteria, detect inconsistencies, flaws, or fallacies, judge, critique	"UG" – unsubstantiated generalizations = stating an opinion without providing any support for it!		 Develop a logical argument for conjectures, citing evidence Verify reasonableness of results or conjectures (e.g., of others) Critique conclusions drawn/evidence used/credibility of sources 	 o Evaluate relevancy, accuracy, & completeness of sources used o Apply understanding in a novel way, provide argument/ justification for the application o Critique the historical impact of on
Create Reorganize into new patterns/schemas, design, plan, produce	o Brainstorm ideas, concepts, problems, or perspectives related to a given scenario, observation, question posed	 Generate testable conjectures/hypotheses based on observations, prior knowledge, and/or artifacts 	 o Develop a complex model for given concept and justify reasoning o Develop an alternative solution and justify reasoning 	o Synthesize information across multiple models, sources, or texts o Articulate new knowledge or new perspective