

COGNITIVE learning is demonstrated by knowledge recall and the intellectual skills: comprehending information, organizing ideas, analyzing and synthesizing data, applying knowledge, choosing among alternatives in problem-solving, and evaluating ideas or actions.

		Definition	Key Verbs	Examples of Assessments/Activities	Questions
High Level Thinking Skills ↑	CREATING	To change or create something new. Compiling information together in a different way by combining elements in a new pattern or proposing alternative solutions.	Adapt, Build, Change, Choose, Combine, Compile, Compose, Construct, Convert, Create, Delete, Design, Develop, Devise, Discover, Discuss, Elaborate, Estimate, Experiment, Extend, Formulate, Hypothesize, Imagine, Improve, Innovate, Integrate, Invent, Make up, Model, Modify, Originate, Plan, Predict, Produce, Propose, Reframe, Revise, Rewrite, Simplify, Solve, Speculate, Substitute, Tabulate, Test, Theorize, Transform, Visualize	Assemble Code; Concept Development; Create an Application; Experiment; Formulate a Plan; Invention; Media product; Modify Design Plans; Project; Proposal; Problem Solution; Simulation	What changes would you make to solve...?; How would you improve...?; Can you propose an alternative...?; What could be done to minimize/maximize...?; How would you adapt ___ to create a different...?; Can you predict the outcome if...?; Can you construct a model that would change...?; Can you think of an original way for the...?
	EVALUATING	To justify . Presenting and defending opinions by making judgements about information, validity of ideas or quality of work based on a set of criteria.	Agree, Appraise, Argue, Assess, Award, Choose, Compare, Conclude, Consider, Convince, Criticize, Debate, Decide, Deduct, Defend, Determine, Disprove, Dispute, Estimate, Evaluate, Explain, Give reasons, Grade, Infer, Influence, Interpret, Judge, Justify, Mark, Measure, Perceive, Persuade, Prioritize, Prove, Rate, Recommend, Rule on, Select, Support, Test, Validate	Argument; Case Study; Critique; Debate; Evaluation; Group Discussion; Project; Recommendation; Self-Evaluation; Survey; Test Case Scenario; Values Statement; Written Conclusion	Do you agree with the actions of...?; What is your opinion of...?; How would you prove...?; Would it be better if...?; What would you cite to defend...?; How would you evaluate...?; How could you determine...?; What data was used to conclude...?; How would you justify...?; What choice would you have made...?; How would you prioritize...?; What would you select...?
	ANALYZING	To examine in detail. Examining and breaking information into parts by identifying motive or causes; making inferences and finding evidence to support generalizations.	Analyze, Appraise, Arrange, Assume, Breakdown, Categorize, Cause and effect, Choose, Classify differences, Compare, Deconstruct, Diagram, Discover, Discriminate, Dissect, Distinguish, Divide, Establish, Examine, Find, Focus, Group, Highlight, Infer, Inspect, Investigate, Isolate, List, Omit, Order, Organize, Point out, Prioritize, Question, Rank, Reason, Reorganize, Research, See, Select, Separate, Simplify, Survey, Test for, Theme	Analyze Research; Case Study; Comparison; Critical Incident; Deductive Reasoning; Discussion; Graphs; Problem Exercise; Questionnaire; Report; Troubleshoot	What are the features of...?; How is ___ related to...?; Why do you think...?; What is the theme...?; What inference can you make...?; What conclusions can you draw...?; How would you classify...?; How would you categorize...?; Can you identify the different parts...?; What evidence can you find...?; What is the relationship between...?; What is the function of...?; What ideas justify...?
	APPLYING	To use in new situation . Solving problems by applying acquired knowledge, facts, techniques, and rules in a different way.	Act, Administer, Apply, Associate, Build, Calculate, Categorize, Choose, Classify, Connect, Construct, Correlate, Demonstrate, Develop, Dramatize, Employ, Experiment with, Group, Identify, Illustrate, Interpret, Interview, Link, Make use of, Manipulate, Model, Organize, Perform, Plan, Practice, Relate, Represent, Select, Show, Simulate, Solve, Summarize, Teach, Transfer, Translate, Use	Data Manipulation; Demonstration; Forecast; Graph; Presentation; Problem Set; Programming Assignment; Project; Role Play; Show & Tell; Simulation	How would you use...?; What examples can you find to...?; How would you solve ___ using what you have learned...?; How would you organize ___ to show...?; What questions would you ask in an interview with...?; How would you show your understanding of...?; What approach would you use to...?
Low Level Thinking Skills ↓	UNDERSTANDING	To show understanding finding information from the text . Demonstrating basic understanding of facts and ideas.	Ask, Associate, Cite, Classify, Compare, Contrast, Demonstrate, Discuss, Estimate, Explain, Express, Extend, Generalize, Give examples, Illustrate, Indicate, Infer, Interpret, Match, Observe, Outline, Paraphrase, Predict, Purpose, Relate, Rephrase, Report, Restate, Review, Show, Summarize, Translate	Analogies; Discussion Boards; Drawing/Illustration; Journal Entries; Multiple Choice Test; Short Answer Test; Simple Comparison; Summary; Written Report; Outline	How would you summarize...?; Which is the best answer...?; What is the main idea of...?; Which statement supports...?; Can you explain what is happening...?; What facts show...?; How would you classify...?; How would you compare...?; How would you rephrase...?; How would you state in your own words...?
	REMEMBERING	Recall/ regurgitate facts without understanding. Exhibits previously learned material by recalling facts, basic concepts, and answers.	Arrange, Chose, Copy, Define, Draw, Duplicate, Find, How, Identify, Label, List, Listen, Locate, Match, Memorize, Name, Observe, Omit, Quote, Read, Recall, Recite, Recognize, Record, Relate, Remember, Repeat, Reproduce, Retell, Select, Sequence, Show, Spell, State, Tell, Trace, Write	Definitions; Labeling Activity; Listing Activity; Matching Activity; Multiple Choice Test; Identifying Terms; Providing Examples; Reciting Concepts; Short Answer Test; Scavenger Hunt; Text Reading	Can you list three...?; How did ___ happen?; Can you select...?; How would you show...?; What is...?; When did ___ happen?; Can you recall...?; Who were the main...?; Which one...?; What is...?; Why did...?; Who was...?