

Webb's Depth of Knowledge (DOK) Introductory and Overview Videos (YouTube Links) and Other Resources

Dr. Norman Webb's DOK Overview (9 minutes)

https://www.youtube.com/watch?v=qFXU6_TYIjc

Webb's Depth of Knowledge Presentation (11 minutes)

<https://www.youtube.com/watch?v=j3RnPUlIV20>

Webb's DoK (22 minutes)

<https://www.youtube.com/watch?v=e6TELwLaB9Q>

Identifying Webb's Depth of Knowledge Levels

<https://www.youtube.com/watch?v=5u7hchcdTDo>

Webb's Depth of Knowledge - Level One (Recall) (3 minutes)

<https://www.youtube.com/watch?v=e48QXUxR7EU>

Webb's Depth of Knowledge - Level Two (Skills/Concepts) (4 minutes)

<https://www.youtube.com/watch?v=omPvxbyUTus>





Webb's Depth of Knowledge - Level Three (Strategic Reasoning) (3 minutes)

<https://www.youtube.com/watch?v=AW9TBahmrU>

Webb's Depth of Knowledge - Level Four (Extended Reasoning) (4 minutes)

<https://www.youtube.com/watch?v=RIELyEmVPmc>

DOK DEPTH OF KNOWLEDGE SNAPSHOT

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
Recall	Skills and concepts	Strategic thinking	Extended thinking
			
<ul style="list-style-type: none"> Basic recall of information, such as a fact, definition, term, or procedure Requires students to follow a formula or recipe 	<ul style="list-style-type: none"> Complete multiple steps in order to find a solution Requires students to make informed decisions about problem-solving and procedures 	<ul style="list-style-type: none"> Reasoning, planning, using evidence, or a higher level of thinking Requires students to draw conclusions from observations 	<ul style="list-style-type: none"> Complex reasoning, developing, or thinking over a period of time Requires students to design and conduct an experiment
Keywords: <ul style="list-style-type: none"> Identify Recall Use Measure 	Keywords: <ul style="list-style-type: none"> Classify Organize Estimate Collect & display data 	Keywords: <ul style="list-style-type: none"> Justify Explain Draw conclusions 	Keywords: <ul style="list-style-type: none"> Relate Make connections

<https://blog.edmentum.com/webb%E2%80%99s-depth-knowledge-framework-basics>

Webb's Depth of Knowledge Framework: The Basics

Many educators work hard to expand their students' knowledge and get them to think in various ways every day. Short of increasing homework assignments and forcing longer school hours, how can educators increase rigor in their students? Teachers often turn to educational models to develop their lessons, classroom activities, and teaching tools to get their students working at a deeper level of understanding.

Norman Webb's Depth of Knowledge (DOK) framework is a highly regarded model that has been proven to be useful in understanding what type of knowledge is required to solve problems in academia. Webb has outlined different levels of content complexity and understanding. Let's take a look at an example, the DOK summary definitions for mathematics, which follow:

Level 1: Recall

This level is the basic recall of information, such as a fact, definition, term, or a procedure. Typically, this is as simple as remembering a formula or following a recipe.

Level 2: Skills and Concepts

The second level requires a student to make informed decisions about problem-solving and procedures. In this level, students are asked to complete multiple steps in order to find a solution, like collecting and then displaying data in a chart.

Level 3: Strategic Thinking

This level requires reasoning, planning, using evidence, and a higher level of thinking. Asking students to explain their thinking is a part of this level. This level is more complex and abstract than the previous two.

Level 4: Extended Thinking

The last level of the of the four is the most complex. This level requires complex reasoning, planning, developing, and thinking most likely over a period of time. A student both designing and conducting an experiment is a demonstration of this level.

Webb's Depth of Knowledge Level 2

Skill / Concept

*Apply skills and concepts related to a particular field of study.
Make decisions as to how to approach a question or problem.*

- Focus is on application in a familiar/typical situation.
- There is a relationship between ideas.
- Tasks require deeper knowledge than basic definitions.
- Tasks may call for multiple steps or approaches.

Apply	Determine	Model
Calculate	Distinguish	Modify
Categorize	Estimate	Observe
Cause/Effect	Explain	Organize
Classify	Extend	Predict
Collect and	Find	Relate
Display	Formulate	Represent
Compare	Generalize	Separate
Compute	Graph	Simplify
Construct	Identify Patterns	Solve
Convert	Infer	Summarize
Describe	Interpret	Use Context Clues

Webb's Depth of Knowledge Level 1

Recall & Reproduction

*Recall a fact, definition, term or other basic information.
Recognize and follow routine procedures or formulas.*

- ★ Emphasis is on facts and recall of previously taught content.
- ★ Tasks may be difficult without requiring deep knowledge to formulate a response.
- ★ A combination of Level 1 tasks does not increase complexity.
- ★ There is one correct answer, and its correctness is not debatable.

Arrange	Locate	Report
Calculate	Match	Select
Cite	Measure	State
Define	Memorize	Summarize
Describe	Name	Tabulate
Draw	Perform	Tell
Explain	Quote	Use
Give an Example	Recall	Paraphrase
Identify	Recite	Outline
Illustrate	Recognize	'The Five Ws'
Label	Record	
List	Repeat	



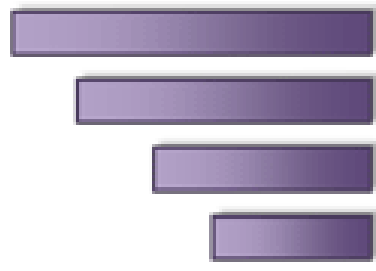
Webb's Depth of Knowledge Level 3

Strategic Thinking

*Demonstrate sound reasoning with evidence and justification.
Develop a plan or series of steps to tackle complex tasks.*

- ✦ Focus is on reasoning and planning in order to respond.
- ✦ Complex and abstract thinking is required.
- ✦ Students must demonstrate deep understanding and justify their responses.
- ✦ Questions may yield more than one correct answer.

Appraise	Develop	Reorganize
Argue	Differentiate	Revise
Assess	Discuss	Solve
Check	Distinguish	Strategize
Cite Evidence	Draw Conclusions	Support
Compare	Examine	
Compile	Explain	
Construct	Formulate	
Critique	Hypothesize	
Decide	Infer	
Defend	Investigate	
Describe	Justify	



Webb's Depth of Knowledge Level 4

Extended Reasoning

Integrate knowledge from multiple sources.

Make real-world connections in unique and creative ways.

- ★ Tasks require complex reasoning, planning and thinking.
- ★ Activities have multiple steps.
- ★ Students employ and sustain strategic thinking processes over an extended period of time.
- ★ Students may be asked to relate concepts within the content area and among other content areas.

Analyze	Judge
Apply Concepts	Justify
Appraise	Modify
Compose	Plan
Connect	Project
Create	Propose
Critique	Prove
Defend	Reflect
Design	Report
Evaluate	Support
Extend	Synthesize
Formulate	

