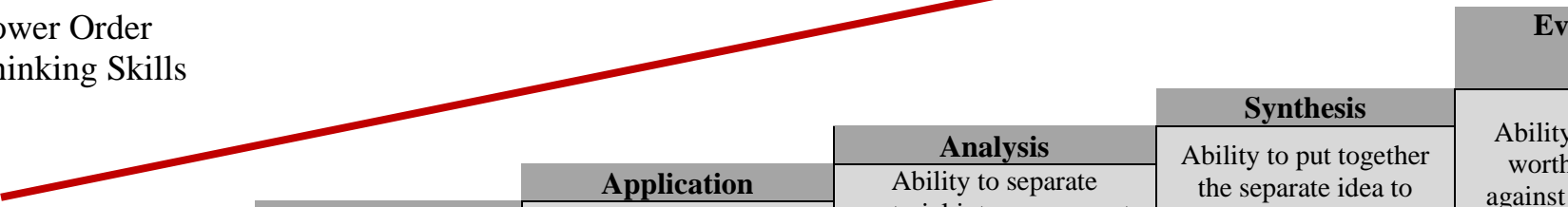**Bloom's Taxonomy 1956**

Higher Order Thinking Skills

Lower Order Thinking Skills
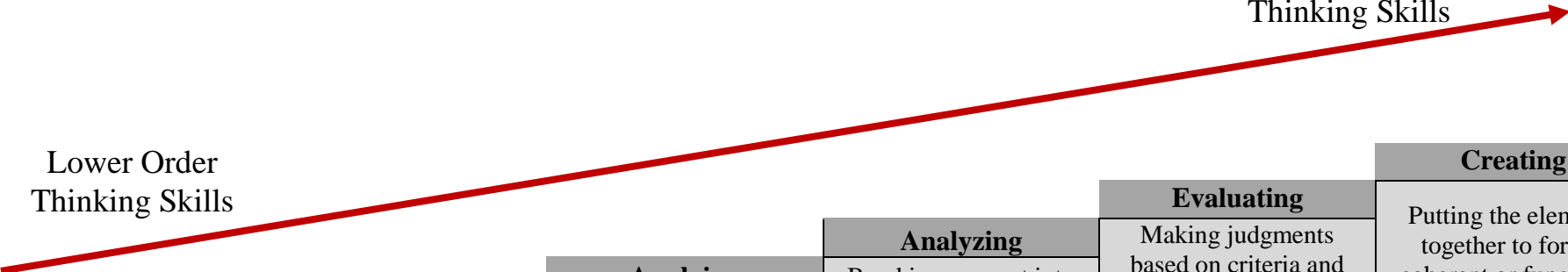
Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation
Ability to recall previously learned material	Ability to grasp meaning, explain, and restate ideas	Ability to use learned material in new situations	Ability to separate material into component parts and show relationships between parts	Ability to put together the separate idea to form new whole, establish	Ability to Judge the worth of material against stated criteria
					Appraise
				Arrange	Argue
		Apply	Analyze	Assemble	Assess
	Classify	Change	Appraise	Categorize	Choose
Arrange	Compare	Choose	Breakdown	Collect	Compare
Define	Convert	Complete	Calculate	Combine	Conclude
Describe	Defend	Construct	Categorize	Comply	Contrast
Duplicate	Describe	Demonstrate	Compare	Compose	Defend
Identify	Discuss	Discover	Contrast	Construct	Describe
Label	Distinguish	Dramatize	Criticize	Create	Discriminate
List	Estimate	Employ	Debate	Design	Estimate
Match	Explain	Illustrate	Diagram	Develop	Evaluate
Memorize	Express	Interpret	Differentiate	Devise	Explain
Name	Extend	Manipulate	Discriminate	Explain	Interpret
Order	Generalized	Modify	Distinguish	Formulate	Judge
Outline	Give Example(s)	Operate	Examine	Generate	Justify
Recognize	Identify	Practice	Experiment	manage	Measure
Relate	Indicate	Predict	Identify	Organize	Predict

Recall	Infer	Prepare	Illustrate	Plan	Rate
Record	Locate	Produce	Infer	Prepare	Revise
Repeat	Paraphrase	Relate	Inspect	Rearrange	Score
Reproduce	Predict	Schedule	Inventory	Reconstruct	Select
Select	Recognize	Show	Model	Relate	Support
State	Restate	Sketch	Outline	Reorganize	value
Tell	Rewrite	Solve	Point out	Revise	
Underline	Review	Use	Question	Rewrite	
	Select	Write	Relate	Set up	
	Summarize		Select	Summarize	
	Tell		Separate	Synthesize	
	Translate			Tell	
				Write	

Anderson and Krathwohl's Taxonomy 2000

Higher Order
Thinking Skills

Lower Order
Thinking Skills

Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
Retrieving, recalling or recognizing knowledge from memory.	Constructing meaning form different types of function be they written or graphic	Carrying out or using a procedure through executing or implementing.	Breaking concept into part, determining how the parts relate to one another or to an overall structure or purpose.	Making judgments based on criteria and standards through checking and critiquing	Putting the elements together to form a coherent or functional whole
				Appraise	Adapt
				Argue	Anticipate
		Act	Advertise	Assess	Arrange
		Administer	Analyze	Choose	Assemble
Arrange	Ask	Articulate	Appraise	Compare	Categorize
Define	Associate	Apply	Breakdown	Conclude	Collaborate
Describe	Cite	Calculate	Calculate	Contrast	Collect
Duplicate	Classify	Chart	Categorize	Consider	Combine
Identify	Compare	Collect	Classify	Convince	Comply
Locate	Convert	Compute	Compare	Critique	Compose
Label	Defend	Change	Conclude	Debate	Construct
List	Describe	Choose	Connect	Decide	Create
Match	Discuss	Complete	Contrast	Defend	Design
Memorize	Distinguish	Construct	Correlate	Describe	Develop
Name	Demonstrate	Demonstrate	Criticize	Discriminate	Devise
Order	Discover	Discover	Debate	Distinguish	Explain
Outline	Differentiate	Dramatize	Deduce	Editorialize	Express
Quote	Estimate	Develop	Devise	Estimate	Facilitate
Recognize	Explain	Establish	Diagram	Evaluate	Formulate

Relate	Express	Examine	Differentiate	Explain	Generate
Recall	Extend	Explain	Discriminate	Find errors	Imagine
Record	Give Example(s)	Employ	Distinguish	Grade	Infer
Repeat	Group	Illustrate	Dissect	Interpret	Intervene
Reproduce	Identify	Interpret	Divide	Judge	Justify
Select	Indicate	Judge	Estimate	Justify	Make
State	Infer	List	Evaluate	Measure	Manage
Tell	Illustrate	Manipulate	Examine	Order	Negotiate
Underline	Judge	Modify	Experiment	Persuade	Organize
Visualize	Paraphrase	Operate	Explain	Predict	Originate
	Predict	Practice	Focus	Rank	Plan
	Recognize	Predict	Identify	Rate	Prepare
	Restate	Prepare	Illustrate	Recommend	Propose
	Rewrite	Produce	Infer	Reframe	Rearrange
	Review	Relate	Inspect	Revise	Reconstruct
	Select	Record	Inventory	Score	Relate
	Summarize	Simulate	Model	Select	Reorganize
	Show	Schedule	Order	Support	Revise
	Tell	Show	Organize	value	Rewrite
	Translate	Sketch	Outline	Rewrite	Schematize
	Trace	Solve	Plan	Set up	Set up
	Transform	Teach	Point out	Summarize	Simulate
		Transfer	Prioritize	Synthesize	Solve
		Utilize	Question	Tell	Speculate
		Use	Relate	Value	Structure
		Write	Select	Weight	Support
			Separate	Write	Summarize
			Subdivide		Synthesize
			Survey		Test
			Test		Tell

					Validate