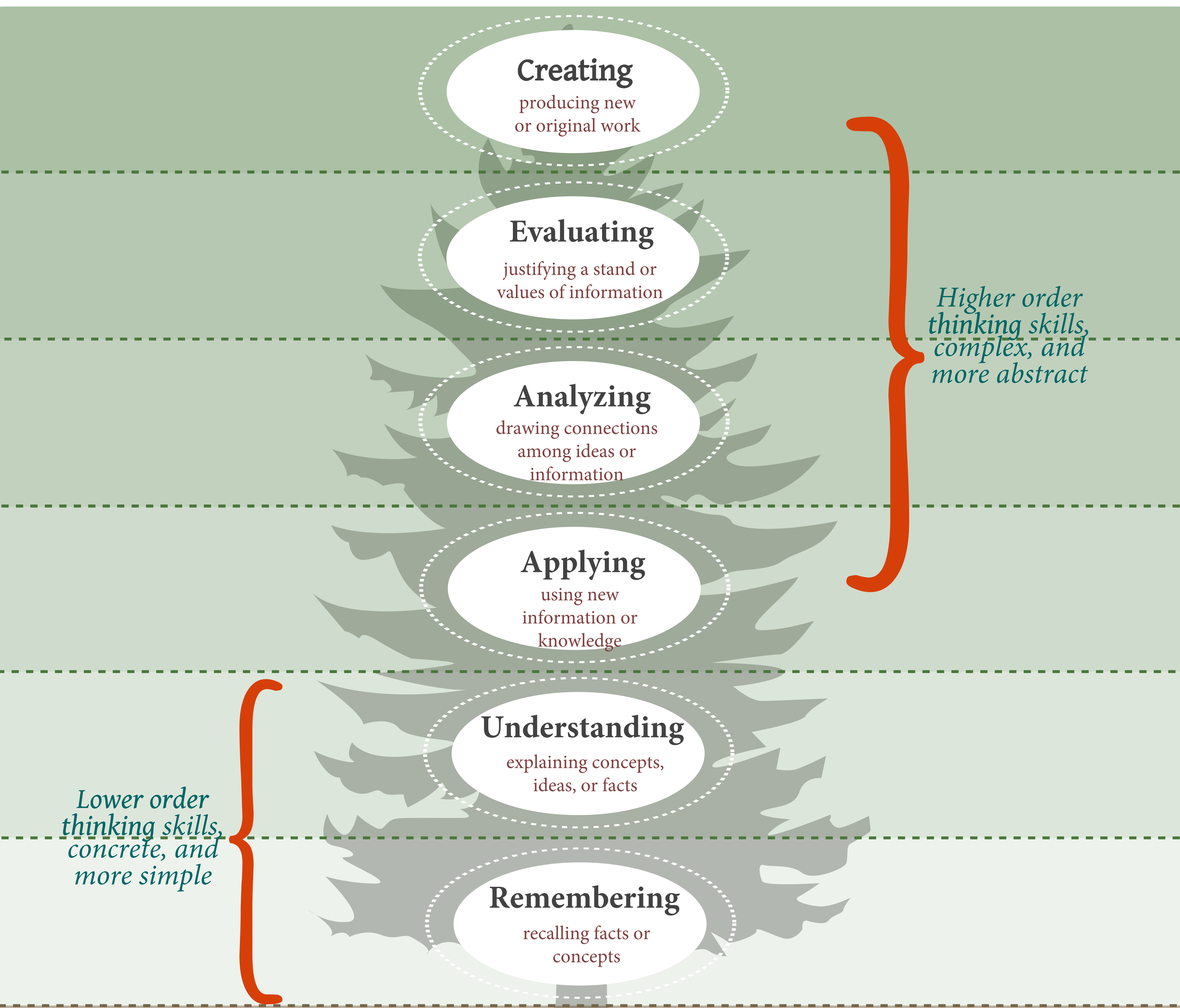


**Student learning outcomes** are overarching skills, knowledge and dispositions that are emphasized and reinforced throughout a course or in a specific academic program. They are measurable statements that define what students will be able to do by the end of a course, a program or upon graduation. Each outcome statement should start with a measurable action verb that indicates the level of learning, followed by a precise description of the learned skill, knowledge, or disposition. **Bloom's Revised Taxonomy** provides a helpful way of understanding the levels of cognitive processes (from basic to more advanced) and examples of measurable actions verbs that may be used to develop learning outcomes. These verbs must still be used in the appropriate context to achieve their intended outcomes.



# List of Verbs for Student Learning Outcomes

Remembering	Understanding	Applying	Analyzing	Evaluating	Creating
arrange	associate	add	analyze	appraise	assemble
copy	characterize	administer	breakdown	arbitrate	author
count	complete	articulate	categorize	argue	combine*
define	convert	apply	combine*	assess	communicate
describe	depict	calculate	compare	award	compile
draw	discuss	change	contrast	conclude	compose
duplicate	establish	choose	detect	criticize	conjecture
identify	explain	classify	diagram	critique	consolidate
indicate	express	compute	differentiate	debate	construct
label	extend	conduct	discriminate	decide	create
list	extrapolate	demonstrate	distinguish	defend	design
locate	generalize	diagnose	experiment	determine	develop
match	illustrate	discover	explore	envision	devise
memorize	organize*	divide	infer	estimate	drive
name	paraphrase	dramatize	inventory	evaluate	formulate
order	report	employ	investigate	examine	generate
point	sort	execute	outline	grade	hypothesize
quote	summarize	graph	point out	inspect	integrate
read		group	question	interpret	invent
recall		implement	relate	judge	merge
recite		interpolate	research	justify	organize*
record		manipulate	separate	measure	plan
repeat		modify	subdivide	predict	prepare
reproduce		operate	survey	prioritize	prescribe
retain		perform	test*	rank	produce
state		practice		rate	propose
		role play		recommend	reconstruct
		select		referee	reorganize
		show		review	revise
		sketch		support	rewrite
		solve		test*	specify
		subtract		value	synthesize
		teach			systematize
		translate			theorize
					transform
					unite
					write

\*Depending on the context, some verbs can be used to reflect different domains of cognitive skills. For example:

- organize objects according to their sizes (understanding) vs organize an event (creating)
- combine two mathematical equations to solve a problem (analyzing) vs combine few ingredients to make a new recipe (creating)
- test the tensile strength of plastics given the varying chemical composition (analyzing) vs test multiple variables to validate a hypothesis (evaluating)