

## Costa's Levels of Thinking

To better understand the content being presented in their core subject areas, it is essential for students to learn to think critically and to ask higher levels of questions. By asking higher levels of questions, students deepen their knowledge and create connections to the material being presented. Students need to be familiar with Costa's (and/or Bloom's) Levels of Thinking to assist them in formulating higher levels of questions.

<b>3---Applying</b>		
(Off the Page)		
Evaluate	Generalize	Imagine
Judge	Predict	Speculate
If/Then	Hypothesize	Forecast
<b>2---Processing</b>		
(Between the Lines)		
Compare	Contrast	Classify
Sort	Distinguish	Explain (Why?)
Infer	Analyze	
<b>1---Gathering</b>		
(On the Page)		
Complete	Define	Describe
Identify	List	Observe
Recite	Select	

# Costa's Levels of Thinking



	Level	Descriptions	Vocabulary Words for the Levels of Thinking		
<b>Higher-Order Thinking Skills</b>  <b>HOTS</b>	<b>APPLYING INFORMATION</b>	<b>(OUTPUT)</b>  Applying and evaluating actions, solutions and connections made in order to predict	assemble	develop	make
			build	devise	plan
			construct	formulate	produce
			create	imagine	write
		design	invent		
			appraise	forecast	select
			argue	generalize	speculate
			check	hypothesize	support
			critique	if/then	test
			defend	judge	value
			detect	predict	value
<b>Higher-Order Thinking Skills</b>  <b>HOTS</b>	<b>PROCESSING INFORMATION</b>	<b>(PROCESSING)</b>  Making sense out of information; processing the information gathered by making connections and creating relationships	attribute	discriminate	integrate
			classify	distinguish	organize
	compare	examine	outline		
	contrast	experiment	question		
		criticize	explain why	sort	
		deconstruct	infer	structure	
		differentiate			
			carry out	employ	operate
			choose	execute	schedule
			demonstrate	illustrate	sketch
			do	implement	solve
			dramatize	interpret	using
<b>Lower-Order Thinking Skills</b>  <b>LOTS</b>	<b>GATHERING INFORMATION</b>	<b>(INPUT)</b>  Identifying and recalling information	classify	explain	recognize
			complete	identify	report
	describe	locate	select		
	discuss	paraphrase	translate		
			define	memorize	reproduce
			duplicate	recall	state
			list	repeat	