

ICAP model (I>C>A>P)	MODE OF ENGAGEMENT			
	PASSIVE	ACTIVE	CONSTRUCTIVE	INTERACTIVE
Characterized by	Receiving	Manipulating	Generating	Dialoguing
Definition	Merely paying attention to receive learning material	Manipulating learning materials to focus attention	Generating new inferences or information beyond what is presented	Generating additional inferences and information via peer-dialoguing
Knowledge change proc.	Storing (listening, reading, watching)	Integration (linking to prior knowledge)	Inferring (new knowledge is inferred alone)	Co-Inferring (knowledge is inferred from interaction)
Cognitive outcomes	Recall (verbatim in identical context)	Application (in similar contexts)	Transfer (to new contexts, interpret)	Co-Creation (inventing new products)
Resulting Understanding	Minimal	Shallow	Deep	Deepest
Examples of learning activities	<ul style="list-style-type: none"> - Listen to a lecture - Read an article - Watch a video 	<ul style="list-style-type: none"> - Take verbatim notes - Highlight key info - Pause or replay 	<ul style="list-style-type: none"> - Reflect out loud - Summarize in new words - Compare to other videos - Concept mapping 	<ul style="list-style-type: none"> - Defend position in a group - Compare & contrast in pairs - Debate and justify with peer
Hypothesis	P <	A <	C <	I