

Identifying Cognitive Engagement

Directions: Review the materials on ICAPs framework and match the examples of student observations (part B) to the appropriate level of engagement on the chart (part A). Compare your chart with the answers below. As you complete this activity think about ***ways in which you can promote constructive and interactive cognitive engagement?***

Passive Engagement: Students are paying attention, oriented toward & receiving instruction. But they are not doing anything else overtly, They are not producing anything.

Active Engagement: Students are paying attention and physically manipulating the instructional materials, but not adding any new information.

Constructive Engagement: Students are producing some additional information that may contain (incidentally or intentionally) small (or large) pieces of knowledge that is not in the instructional materials.

Interactive Engagement: Students are working with a peer (commonly through dialogue) in a way in which each person generates, contributes and build on one another's ideas.

Part A: Chart

Passive	Active	Constructive	Interactive

Part B: Student Observations

- agreeing in dialogue
- comparing and contrasting
- copying the solution from the board
- debating with a peer
- Discussing
- Drawing
- Evaluating
- Explaining
- explaining jointly
- listening to lectures without taking notes
- Measuring and recording amounts
- observing a demonstration
- pointing and gesturing

- Posting
- Predicting
- reading a worked-out/ solved example
- reflecting

- repeating definitions
- selection of an option
- underlining the important sentences
- watching videos

ANSWER KEY

Passive	Active	Constructive	Interactive
listening to lectures without taking notes	copying the solution from the board	Drawing	explaining jointly
watching videos	underlining the important sentences	Explaining	debating with a peer
observing a demonstration	agreeing in dialogue	Posting	Discussing
reading a worked-out/ solved example	selection of an option	comparing and contrasting	
	Measuring and recording amounts	Evaluating	
	Pointing and gesturing	Predicting	
	Repeating definitions	Reflecting	