

STRATEGIES TO EXTEND STUDENT THINKING

- Call on students randomly**
Not just those with raised hands
- Utilize “think-pair-share”**
Two minutes of individual think time, two minutes discussion with a partner, then open up the class discussion
- Remember “wait time”**
Ten to twenty seconds following a “higher-level” question
- Ask “follow-ups”**
Why? Do you agree? Can you elaborate?
Tell me more. Can you give an example?
- Withhold judgment**
Respond to student answers in a non-evaluative fashion
- Ask for summary (to promote active listening)**
“Could you please summarize John’s point?”
- Survey the class**
“How many people agree with the author’s point of view? (“thumbs up, thumbs down”)
- Allow for student calling**
“Richard, will you please call on someone else to respond?”
- Play devil’s advocate**
Require students to defend their reasoning against different points of view
- Ask students to “unpack their thinking”**
“Describe how you arrived at your answer.” (“think aloud”)
- Student questioning**
Let the students develop their own questions
- Cue student responses**
“There is not a single correct answer for this question. I want you to consider alternatives.”

QUESTIONING FOR QUALITY THINKING

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| GLOBAL STANCE | <ul style="list-style-type: none"> Knowledge – Identification and recall of information Who, what, when, where, how _____? Describe _____. Comprehension – Organization and selection of facts and ideas Retell _____ in your own words What is the main idea of _____? |
| INTERPRETATION STANCE | <ul style="list-style-type: none"> Application – Use of facts, rules, principles How is _____ an example of _____? How is _____ related to _____? Why is _____ significant? Analysis – Separation of a whole into component parts What are the parts or features of _____? Classify _____ according to _____. Outline/diagram/web _____. How does _____ compare/contrast with _____? What evidence can you list for _____? Synthesis – Combination of ideas to form a new whole What would you predict/infer from _____? What ideas can you add to _____? How would you create/design a new _____? What might happen if you combined _____ with _____? What solutions would you suggest for _____? |
| PERSONAL/CRITICAL STANCE | <ul style="list-style-type: none"> Evaluation – Development of opinions, judgments, or decisions Do you agree _____? What do you think about _____? What is the most important _____? Prioritize _____? How would you decide about _____? What criteria would you use to assess _____? |