

# Costa's Levels of Questioning

## Math

### Level 1

What information is given?  
What are you being asked to find?  
What formula would you use in this problem?  
What does \_\_\_\_\_ mean?  
What is the formula for...?  
List the...  
Name the...  
Where did...?  
What is...?  
When did...  
Explain the concept of...  
Give me an example of...  
Describe in your own words what \_\_\_\_\_ means  
What mathematical concepts does this problem connect to?  
Draw a diagram of...  
Illustrate how \_\_\_\_\_ works.

### Level 2

What additional information is needed to solve this problem?  
Can you see other relationships that will help you find this information?  
How can you put your data in graphic form?  
What occurs when..?  
Does it make sense to...?  
Compare and contrast \_\_\_\_\_ to \_\_\_\_\_  
What was important about...  
What prior research/formulas support your conclusions?  
How else could you account for...?  
Explain how you calculate...  
What equation can you write to solve the word problem?

### Level 3

Predict what will happen to \_\_\_\_\_ as \_\_\_\_\_ is changed.  
Using a math principle, how can we find ...?  
Describe the events that might occur if...  
Design a scenario for...  
Pretend you are...  
What would the world be like if...  
How can you tell if your answer is reasonable?  
What would happen to \_\_\_\_\_ if \_\_\_\_\_ variable were increased/decreased?  
How would repeated trials affect your data?  
What significance is this formula to the subject you're learning?  
What type of evidence is most compelling to you?

## Science

### Level 1

What information is given?  
What are you being asked to find?  
What formula would you use in this problem?  
What does \_\_\_\_\_ mean?  
What is the formula for...?  
List the...  
Name the...  
Where did...?  
What is...?  
When did...  
Describe in your own words what \_\_\_\_\_ means  
What science concepts does this problem connect to?  
Draw a diagram of...  
Illustrate how \_\_\_\_\_ works.

### Level 2

What additional information is needed to solve this problem?  
Can you see other relationships that will help you find this information?  
How can you put your data in graphic form?  
How would you change your procedures to get better results?  
What method would you use to...  
Compare and contrast \_\_\_\_\_ to \_\_\_\_\_  
Which errors most affected your results?  
What were some sources of variability?  
How do your conclusions support your hypothesis?  
What prior research/formulas support your conclusions?  
How else could you account for...?  
Explain the concept of...  
Give me an example of...

### Level 3

Design a lab to show...  
Predict what will happen to \_\_\_\_\_ as \_\_\_\_\_ is changed  
Using a science principle of, how can we find ...?  
Describe the events that might occur if...  
Design a scenario for...  
Pretend you are...  
What would the world be like if...  
What would happen to \_\_\_\_\_ if \_\_\_\_\_ variable were increased/decreased?  
How would repeated trials affect your data?  
What significance is this experiment to the subject you're learning?  
What type of evidence is most compelling to you?  
Do you feel \_\_\_\_\_ experiment is ethical?  
Are your results biased?

## English

### **Level 1**

What information is given?  
Locate in the story where...  
When did the event take place?  
Point to the...  
List the...  
Name the...  
Where did...?  
What is...?  
Who was/were...?  
Illustrate the part of the story that...  
Make a map of...  
What is the origin of the word \_\_\_\_\_?  
What events led to \_\_\_\_\_?

### **Level 2**

What would happen to you if..  
Would you have done the same thing as...?  
What occurs when..?  
Compare and contrast \_\_\_\_\_ to \_\_\_\_\_  
What other ways could \_\_\_\_\_ be interpreted?  
What is the main idea of the story (event)?  
What information supports your explanation?  
What was the message in this piece (event)...  
Give me an example of...  
Describe in your own words what \_\_\_\_\_ means.  
What does \_\_\_\_\_ suggest about \_\_\_\_\_'s character?  
What lines of the poem express the poet's feelings about \_\_\_\_\_?  
What is the author trying to prove? What evidence does he present?

### **Level 3**

Design a \_\_\_\_\_ to show...  
Predict what will happen to \_\_\_\_\_ as \_\_\_\_\_ is changed  
Write a new ending to the story (event)...  
Describe the events that might occur if...  
Add something new on your own that was not in the story...  
Pretend you are...  
What would the world be like if...  
Pretend you are a character in the story.  
Rewrite the episode from your point of view.  
What do you think will happen to \_\_\_\_\_? Why?  
What is most compelling to you in this \_\_\_\_\_? Why?  
Could this story have really happened? Why or why not?  
If you were there, would you...  
How would you solve this problem in your life?

## Social Studies

### **Level 1**

What information is given?  
What are you being asked to find?  
When did the event take place?  
Point to the...  
List the...  
Name the...  
Where did...?  
What is...?  
Who was/were...?  
Make a map of...

### **Level 2**

What would happen to you if..  
Can you see other relationships that will help you find this information?  
Would you have done the same thing as...?  
What occurs when..?  
If you were there, would you...  
How would you solve this problem in your life?  
Compare and contrast \_\_\_\_\_ to \_\_\_\_\_  
What other ways could \_\_\_\_\_ be interpreted?  
What things would you have used to...  
What is the main idea of the event?  
What information supports your explanation?  
What was the message in this event...  
Explain the concept of...  
Give me an example of...  
Describe in your own words

### **Level 3**

Design a \_\_\_\_\_ to show...  
Predict what will happen to \_\_\_\_\_ as \_\_\_\_\_ is changed  
What would it be like to live...  
Write a new ending to the event...  
Describe the events that might occur if...  
Pretend you are...  
What would the world be like if...  
How can you tell if your analysis is reasonable?  
What do you think will happen to \_\_\_\_\_? Why?  
What significance is this event in the global perspective?  
What is most compelling to you in this \_\_\_\_\_? Why?  
Do you feel \_\_\_\_\_ is ethical? Why or why not?