#### Examples of Different Level Questions

**Costa’s House**

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| **Level 1 - Basic** |  | **Level 2 - Processing** |  | **Level 3 - Creating** |
| * **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.**
 |  | * **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…**
* **What occurs when…?**
* **What was important about…?**
* **Explain how you calculate…**
* **Does it make sense to…?**
 |  | * **Design a lab to show…**
* **Predict what will happen to \_\_\_\_ as \_\_\_\_ is changed.**
* **Using a science principle, how can we find…?**
* **Describe the events that might occur if…**
* **Design a scenario for…**
* **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?**
* **Pretend you are…**
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# Costa’s Levels of Questioning

# *Helping you to develop more complex questions*

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| **Third Floor - Creating****Evaluate - Generalize - Imagine - Judge****Predict - If/Then - Speculate - Hypothesize****Forecast - Idealize - Apply the principle** |
| **Second Floor - Processing****Compare - Contrast - Sort - Distinguish****Explain why - Infer - Sequence****Analyze - Synthesize - Make analogies** |
| **First Floor - Basic****Complete - Count - Match - Name - Define****Observe –Describe – Identify – List - Select****Recite - Scan** |

**Rigor**