#### 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…** |

# 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**