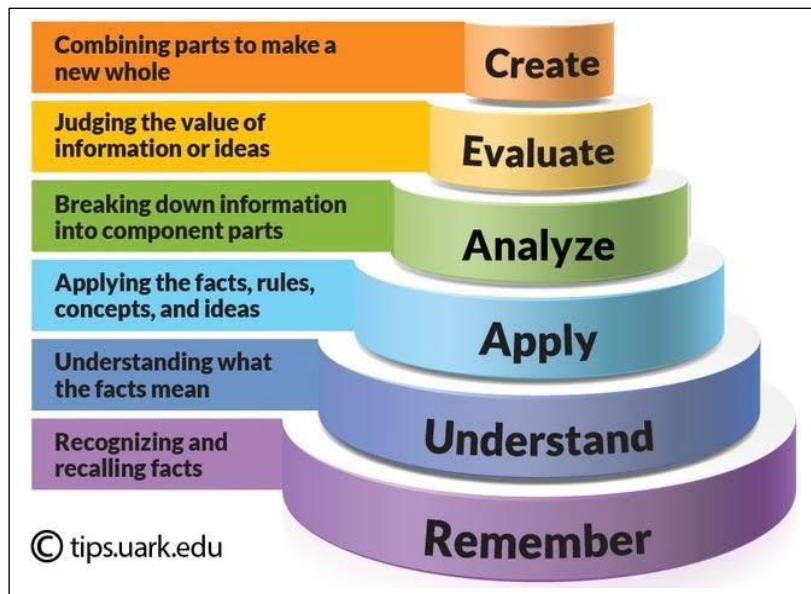# Developing Thinking Questions Using Videos

| Levels of Thought | Verbs | Question Stems | |
|---|---|---|---|
| Knowledge – Remember (Thinking) | arrange, define, duplicate, label, list, memorize, name, order, recognize, relate, recall, repeat, reproduce, state | Describe what happens when_____. How is (are) _____? How would you define_____? How would you identify_____? How would you outline_____? How would you recognize_____? List the _____ in order. What do you remember about_____? | What is (are) _____? What would you choose_____? When did _____? Where is (are) _____? Which one_____? Who was (were) _____? Why did _____? |
| Understanding (Thinking) | classify, describe, discuss, explain, express, identify, indicate, locate, recognize, report, restate, review, select, translate | Elaborate on_____. How can you describe_____? How would you clarify the meaning _____? How would you compare/contrast_____? How would you differentiate between_____ and _____? How would you express_____? How would you generalize_____? | How would you identify_____? What can you infer from_____? What can you say about_____? What did you observe_____? What is the main idea of _____? What would happen if _____? Will you restate_____? |
| Application (Critical) | apply, choose, demonstrate, dramatize, employ, illustrate, interpret, operate, practice, schedule, sketch, solve, use, write | How would you develop_____? How would you change_____? How would you modify_____? How would you demonstrate_____? How would you develop_____ to present _____? How would you present _____? How would you solve_____? | What actions would you take to perform_____? What examples can you find that _____? What other way would you choose to _____? What would the result be if _____? Why does _____ work? |
| Analysis (Critical) | analyze, appraise, calculate, categorize, compare, contrast, criticize, differentiate, discriminate, distinguish, examine, experiment, question, test | Discuss the pros and cons of _____. How can you classify _____ according to _____? How can you compare the different parts of _____? How can you sort the parts of _____? How is _____ connected to _____? How would you explain _____? What are the advantages and disadvantages of _____? | What can you infer _____? What can you point out about _____? What evidence in the text can you find that _____? What explanation do you have for _____? What ideas support/validate_____? What is the problem with _____? What is your analysis of _____? Why do you think _____? |
| Synthesis (Creative) | arrange, assemble, collect, compose, construct, create, design, develop, formulate, manage, organize, plan, prepare, propose, set up, write | Create a poem/riddle/song that explains_____. Devise a way to_____? How would you compile the facts for_____? How would you elaborate on the reason_____? How would you generate a plan to_____? How would you improve_____? | How would you portray_____? Predict the outcome if _____? What alternative would you suggest for_____? What changes would you make to revise_____? What could you invent_____? What facts can you gather_____? What would happen if _____? |

| | | | |
|---|---|---|---|
| *Evaluation*<br><br>*(Critical and*<br><br>*Creative*<br><br>*Combined)* | appraise, argue, assess, attach, choose compare, defend estimate, judge, predict, rate, core, select, support, value, evaluate | Determine the value of _____.<br>How could you verify_____?<br>How would you determine which facts_____?<br>How would you grade_____?<br>Rank the importance of _____.<br>Rate the _____. Explain your rating.<br>What choice would you have made_____? Explain your reasoning.<br>What criteria would you use to assess_____? | What data was used to evaluate_____?<br>What information would you use to prioritize_____?<br>What is the most important_____? Tell why.<br>What is your favorite_____? Why?<br>What would you suggest_____?<br>What is your opinion of _____? Support your response |

**Adapted from** https://www.grinnell-k12.org/



## Big Bang Theory Theme

Barenaked Ladies

Our whole universe was in a hot, dense state
Then nearly fourteen billion years ago expansion started, wait
The earth began to cool, the autotrophs began to drool
Neanderthals developed tools
We built a wall (we built the pyramids)
Math, science, history, unraveling the mysteries
That all started with the big bang! Hey!

Since the dawn of man is really not that long
As every galaxy was formed in less time than it takes to sing this song
A fraction of a second and the elements were made
The bipeds stood up straight, the dinosaurs all met their fate
They tried to leap but they were late
And they all died
The oceans and Pangea, see ya wouldn't wanna be ya
Set in motion by the same big bang!
It all started with the big bang!