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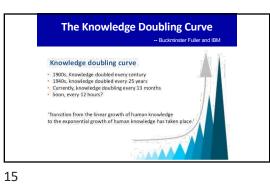
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Research Finding ... A "guaranteed and viable curriculum is the #1 schoollevel factor impacting student achievement."



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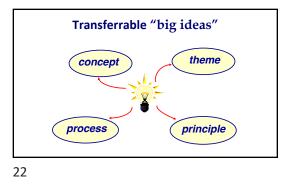
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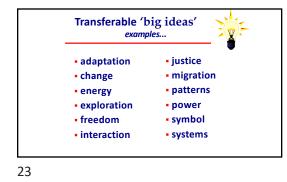
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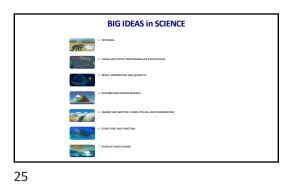


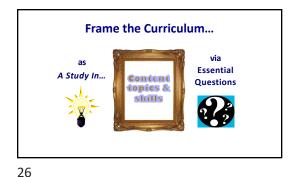




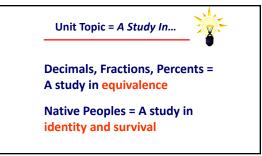






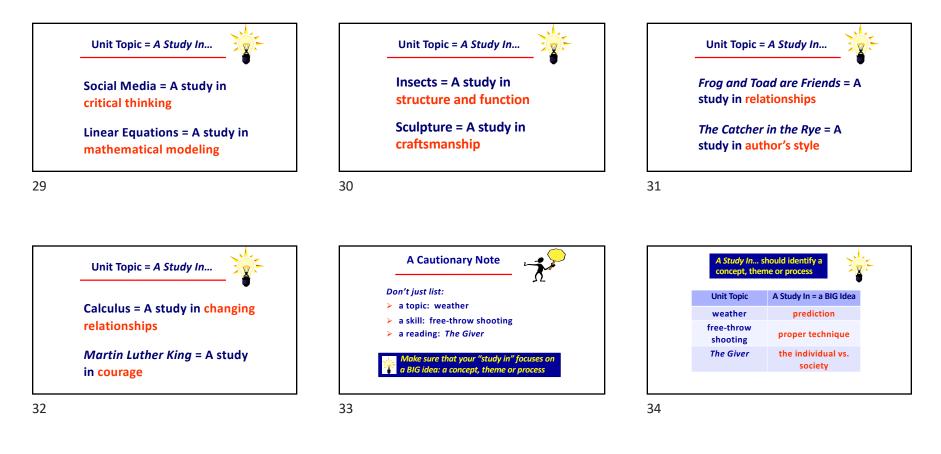


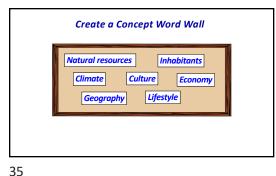


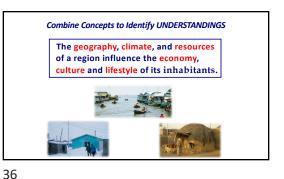


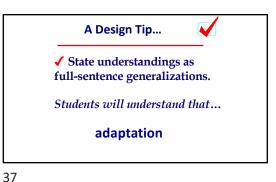
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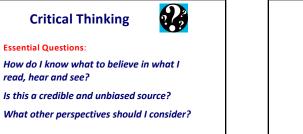
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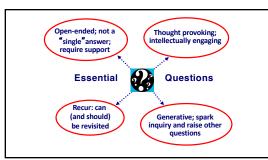




A critical thinker does not simply believe whatever they read, hear or view. They remain skeptical, ask critical questions, and seek alternative points of view.

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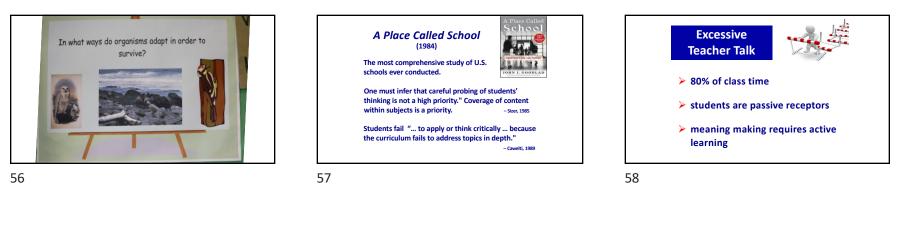


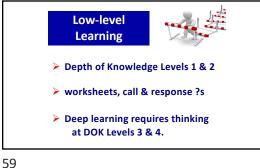


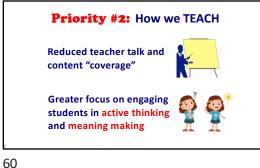
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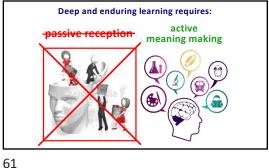
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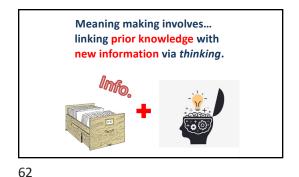
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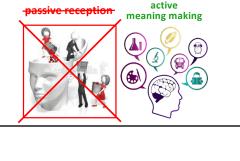






defo **Research Finding ...** "Your memory is not a product of what you want to remember or what you try to remember; it's a product of what you think about. The cognitive principle... is memory is the residue of thought." - Daniel Willingham

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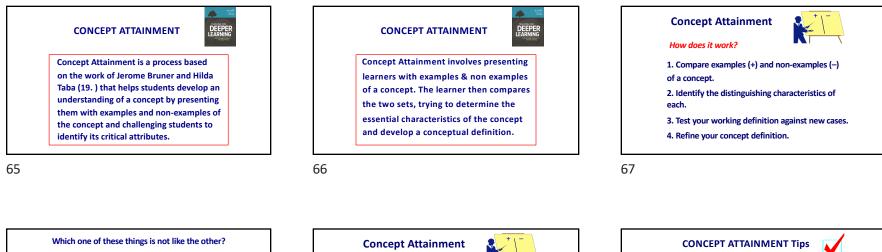


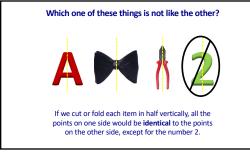
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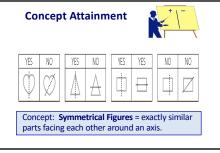
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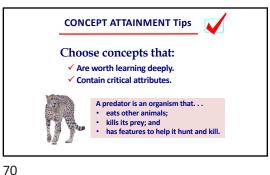




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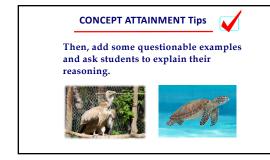












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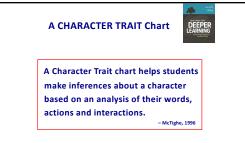
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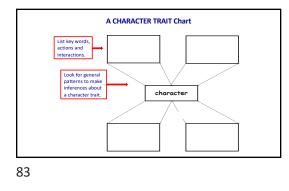


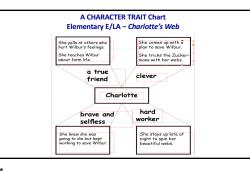
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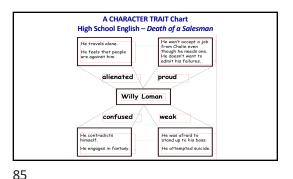
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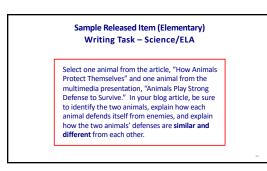
COMPARISON Comparison is an analytical skill that involves finding similarities and differences among two or more things. Comparison helps us better understand the key features of things and make informed choices.

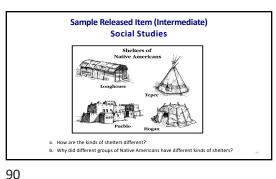
| Teaching Strategy | % Gain |
|--|--------------------|
| Identifying Similarities & Differences | 45 |
| Summarizing & Note-Taking | 34 |
| Reinforcing Effort & Providing Recognition | 29 |
| Homework & Practice | 28 |
| Non-Linguistic Representation | 27 |
| Cooperative Learning | 27 |
| Setting Objectives & Providing Feedback | 23 |
| Generating & Testing Hypotheses | 23 |
| Questions, Cues, & Advance Organizers | 22 |
| - Marzano, et. al. What | Works in Classroom |

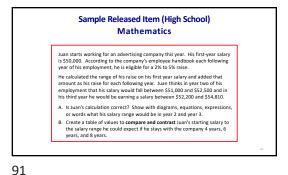
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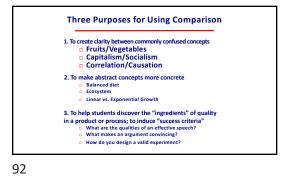




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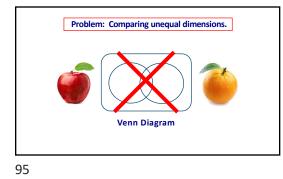
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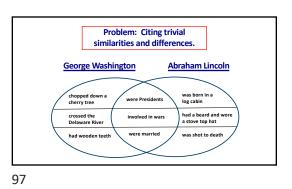


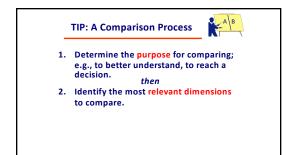


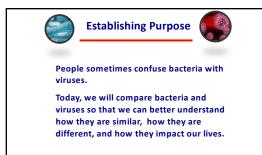
| L | TUNDRA | | DESERT | |
|-------------------------------|------------------------|------------------------------------|------------------------|--|
| Dimensions for Comparison: | Unique Characteristics | Similar to Both | Unique Characteristics | |
| CLIMATE | frigid temperatures | harsh, inhospitable | hot and dry | |
| TOPOGRAPHY | perma frost | treeless plain | sand | |
| VEGETATION | | minimal (unable to survive) | | |
| NATURAL RESOURCES | | oil, natural gas | | |
| POPULATION | | few permanent residents, nomads | | |

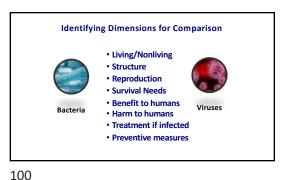


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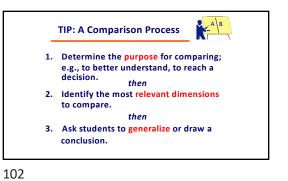




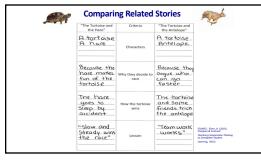


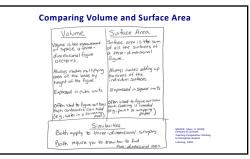
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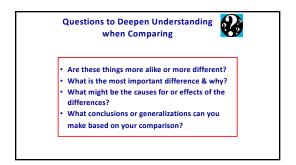


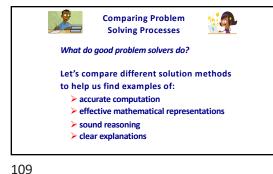
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| VEGETATION | | minimal (unable to survive) | | |
| NATURAL RESOURCES | | oil, natural gas | | |
| POPULATION | | few permanent residents, nomads | | |
| many livin | g things. Inha | nments are n ibitants of th | | nents |

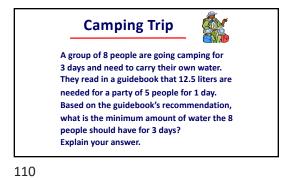




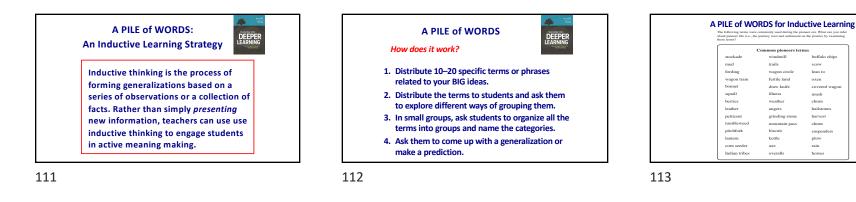








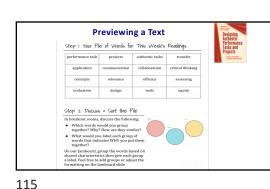
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| Behaviors Choice Community Consequence | P | lental Model ain litual | |
|---|---|-------------------------------|--|
| Community | | | |
| Consequence | | | |
| Control Feelings | S | ole tructure ystem | |
| Ignorance Memory | | houghts Itopia | |

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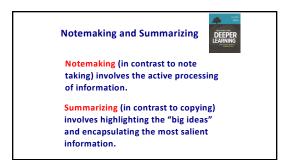
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who employ summarizing and note-taking strategies consistently perform better on academic assessments than do students who do not use these techniques."

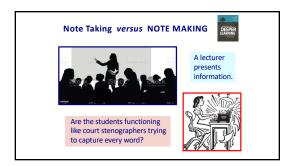
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What's the Problem? DEEPER Alexander's Great Empire • No prioritizing o over all the Greek city-states. Alexander the Great chang the content I that. In time, young Alexander the Great would control the lands that stretche No synthesizing nor summarizing The Conquest of Greec The Compart of Greece Conflict and distants grew across Greece after the Peloponnesian War, formed alliances and agreed to help one other, but most of these allia down before long. Side-switching was commone: A friend in one conflic-tency in the next conflict. Each eity-statte pat its wom interests above the in one's own words Unlikely to resul in retention nor deep came the leader of a second Delian lea te other hand, lost nearly all its power. Mearwhile, in Macedonia, an area north of ireek city-states on the Balkan Peninsula, Philip II took the throne. Philip II was a trong leader who had brought his own people together under one rule . . . understanding

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The Research is Clear

Multiple studies "indicate that students

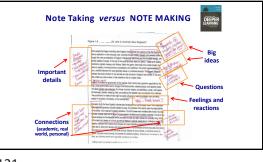
– Dean, Hubbell, Pitler, & Stone (2012)

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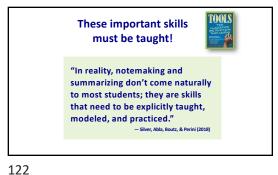
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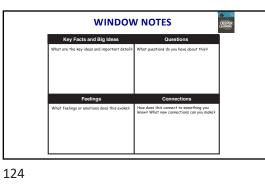
| NOTE TAKING | NOTE MAKING |
|--|---|
| Passive Copying verbatim; little processing of information Information is recorded in the words of other people Notes are a finished product residing in a notebook or computer file | An active process Prioritizing information Information is translated into the learners' own words Notes are a work in progress; revisited and refined to deepen understanding |



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WINDOW NOTES A Tool for Note Making

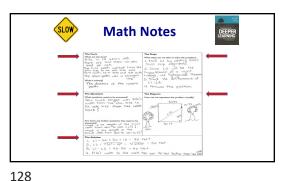


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|--|--|
| QUESTIONS In the regard bids attack to a she | CONNECTIONS The power reviside we of a tradesign they, another ware to movie where they have with a cale in the behave the attended decounters. |

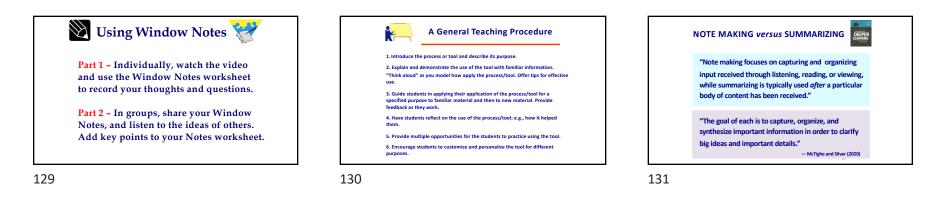


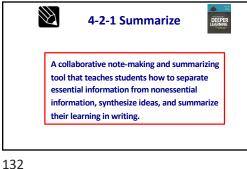
Nath Notes

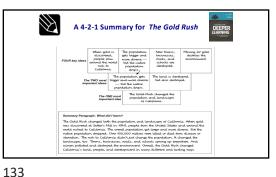
 A variation on Window Notes that encourages students to slow down and try to understand word problems instead of rushing to try to solve them. It encourages strategic thinking; e.g., What is known? What is missing? What questions need to be answered? How might the situation be visually represented?

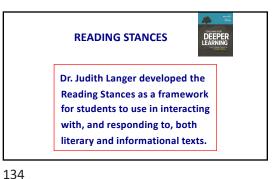


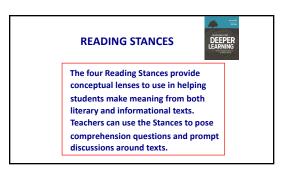
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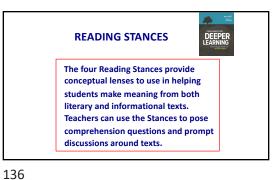


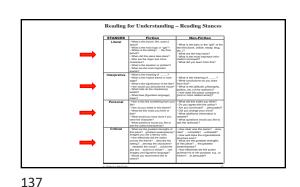






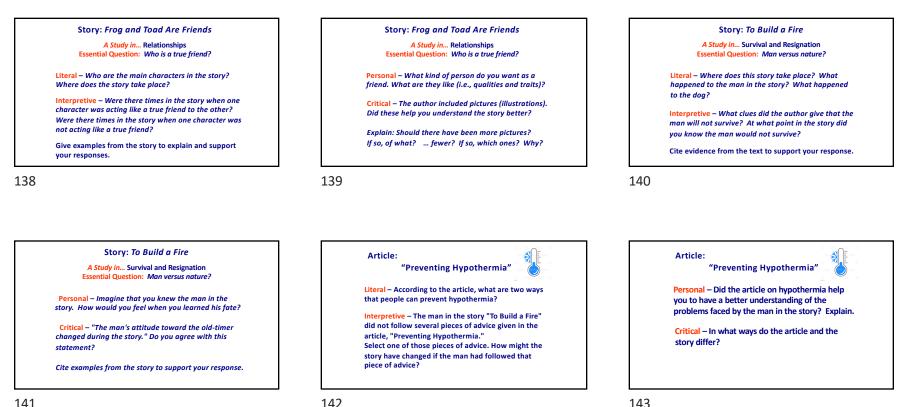




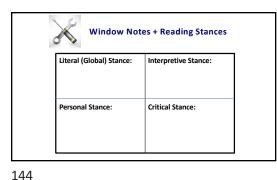


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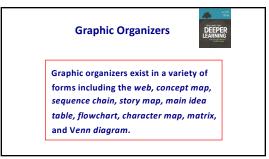
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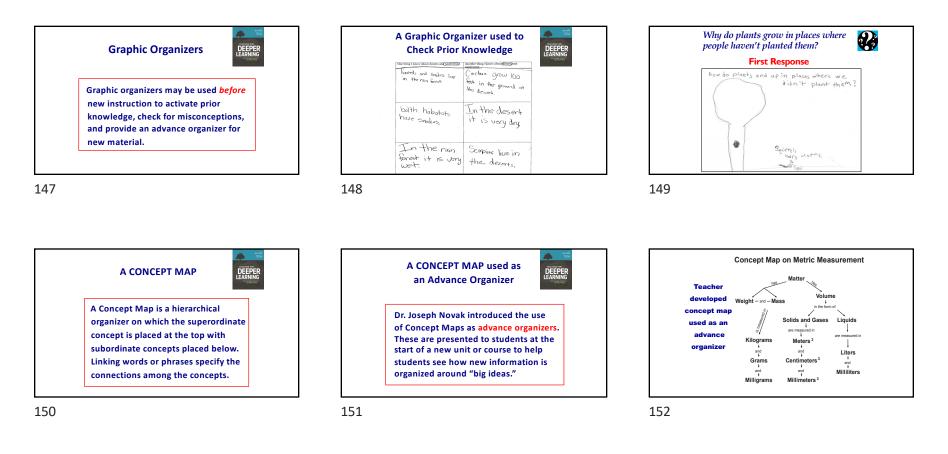


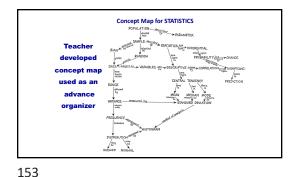
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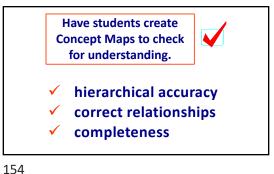


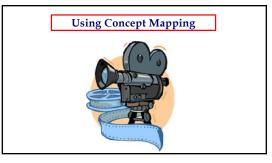
Graphic Organizers DEEPER Graphic organizers provide a visual, holistic representation of facts and concepts and their relationships within an organized frame. They can help both teachers and students represent abstract information in more concrete form, depict relationships among facts and concepts, relate new information to prior knowledge, and organize thoughts for writing and speaking.







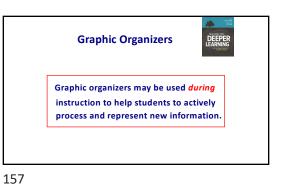


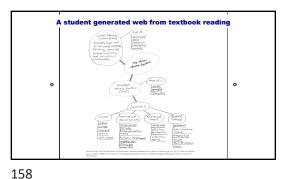


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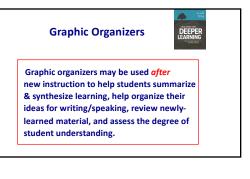


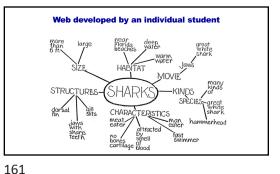




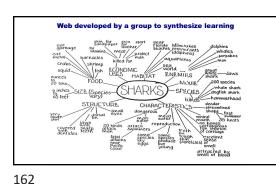


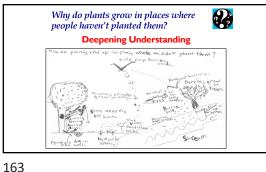
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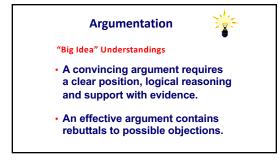










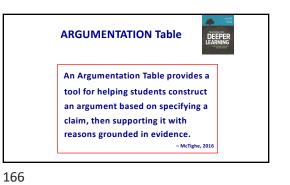


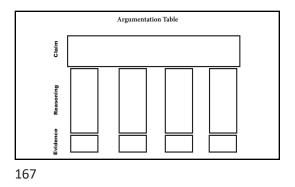
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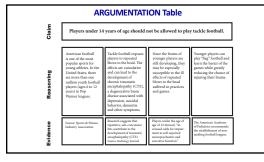
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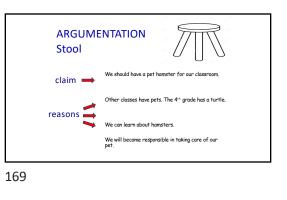
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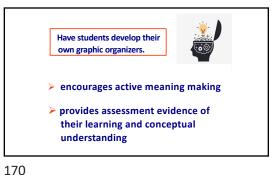


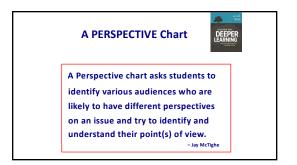


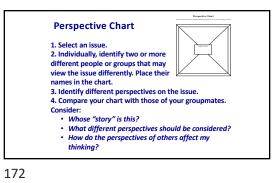


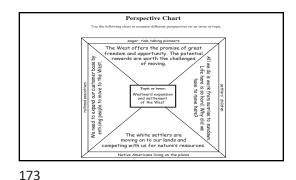
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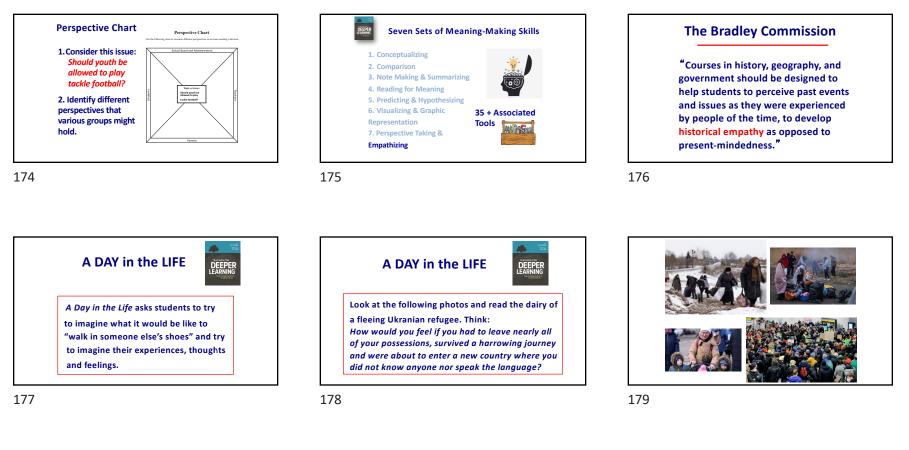






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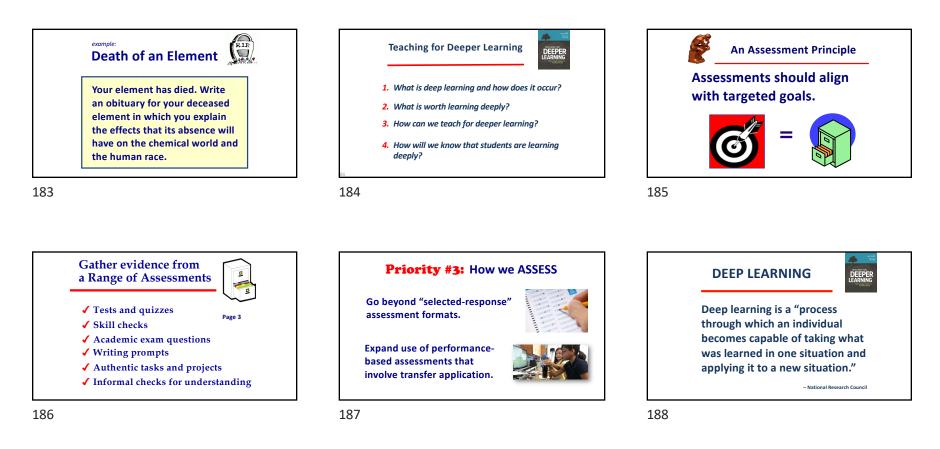


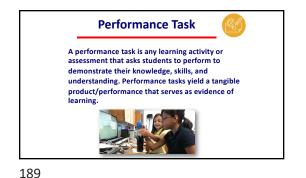




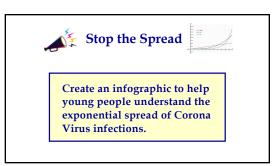


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example: **Dour of Indonesia** The Department of Tourism has asked your help in planning a five-day tour of Indonesia for a group of visitors. Plan the tour to help the visitors understand the country's history, geography, cultures and its key economic assets. You should prepare a written itinerary, including an explanation of *why* each site was included on the tour. 190



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CLULD JUY MICHBIN



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| actor artist author boss businessp candidate carpenter cartoonist caterer dancer | inventor judge | scientist statistician storyteller student |
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