Disrupting Details

1. Stop throwing shade.

4



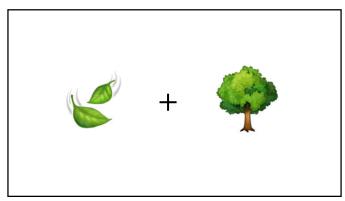
IMPLY THE WHY

(

2. They're pretty kumbaya.



Details + Big Idea



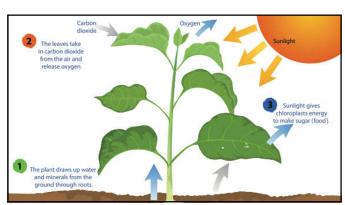
10

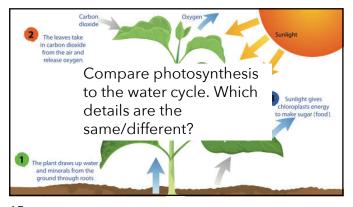
Prove that Nick Carraway is an unreliable narrator.

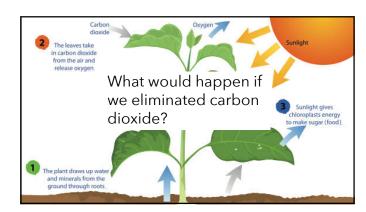
Is it true that the Big Idea of algae is that it feeds, kills, and dies?

1

Details + Patterns









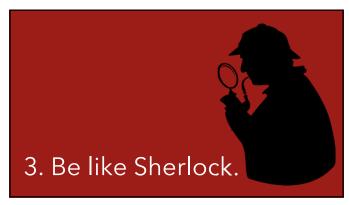
Details + Ethics =
Unanswered
Questions

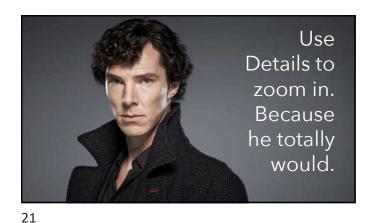
17 18

100 million vertebrate animals are used in medical research each year. This research has saved countless millions of human lives.

The utilitarian viewpoint is that good and bad actions are distinguished by the amount of happiness or suffering they produce.

Assume the utilitarian viewpoint: When should we use vertebrate animals in research if it saves human lives but causes animals suffering?

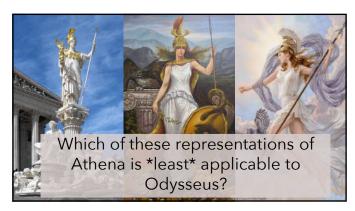




Which goddess is on the side of Odysseus, no matter what he does?

22

Which of her goddess responsibilities is most important vis-à-vis Odysseus? Which is least?



23 2

In the following opportunity, identify if the highlighted details are essential, substitute-able, or unnecessary.

essential, substitute-able, or unnecessary.

You finally get an allowance! You put \$2. away in January, \$4. away in February, \$8. away in March, \$16 away in April and followed this savings pattern through to December. How much money do you have in 12 months?

4. They're not an endgame.



28

Think + Move

What can you say now that you couldn't say before?

29 3

NOTE: This will often lead to another element.

Because these things are solids, not liquids, they can _____ and they can't _____.

Because these things are living, not non-living, they can _____ and they can't

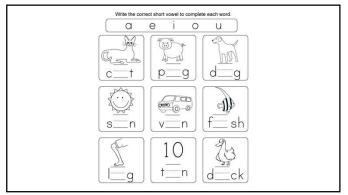
Because these things are mammals, not reptiles, they can _____ and they can't _____.

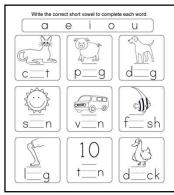
33 3

Because these things are similes, not metaphors, they can _____ and they can't _____.

Because these things are fiction, not non-fiction, they can _____ and they can't _____.

35 36

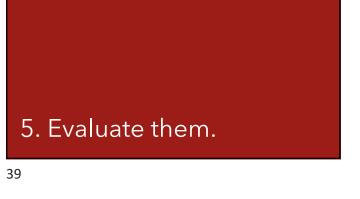


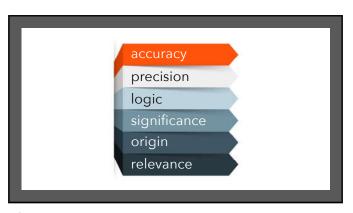


Which words use the same vowels?

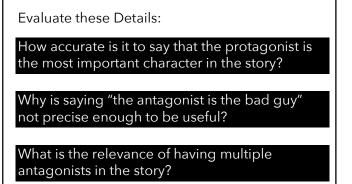
Which vowel did you use least often?

Which vowel makes you open your mouth the widest?





40



Compare the attributes of the self-portraits of Rembrandt & Van Gogh. Include line, shape, form, texture, color, value, and space.

41 42

WHAT IS JUST NOISE?



Am I really testing what's important? Are my tests just noise?

6. Put Details in the rubric.

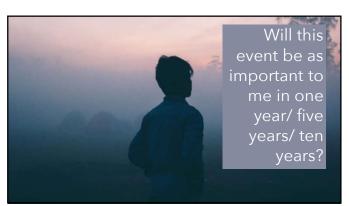
45

	Accomplished	Acceptable	Emerging
Details used to support the argument	The details used are completely relevant and strongly support the argument.	The details used are relevant and support the argument.	The details used are only somewhat relevant and/or barely/don't support the argument.
	10 9 8	7 6 5 4	3 2 1 0

7. There's a whole other layer.



47



Disrupting LotD

49 50

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Indulge me while I get all research-y.

51

There is a strong correlational relationship between students' vocabulary knowledge and their ability to comprehend text.

(Anderson & Freebody, 1981)



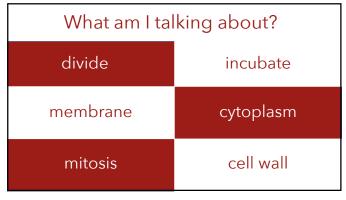
knowledge of specific words

(Anderson & Freebody, 1981; Mezynski, 1983)



knowledge of concepts referred to by the words

55 56



depth and fluency of their knowledge of the words

57

- I understand even more about the term than I have been taught.
- I understand the term and am not confused about its meaning or usage.
- ✓- I'm not sure I understand the term, but I have some idea as to its meaning.
- I really don't understand the term at all.

extent to which they have been able to acquire words through extensive exposure.

59 60

The vocabulary of entering 1st graders predicts their word reading ability at the end of 1st grade.

(Senechal &Cornell 1991).

And it also predicts their 11th grade reading comprehension.

(Cunningham & Stanovich, 1997).

If I know the terms, I'll read & understand the text.

And the reverse is also true.

63

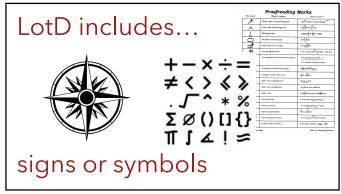
Are you in yet?
Can I stop now?

64

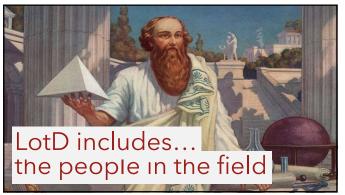
LotD includes...

tools of the discipline (





66



LotD includes...

SHIBBOLETH

idiomatic expressions/jargon

67

LotD includes...

expression conflict balanced

how words differ across content areas

LotD does NOT mean

THIS: Why is "Dark

Ages" not a good

- 1492?

term for the period

of time from 476 AD

spelling words

So let's use it!

NOT THIS: What were the Dark Ages?

THIS: How does Odysseus calling himself "formidable in guile" move the plot forward?

NOT THIS: What is "formidable in guile"?

THIS: How are "hospitality" and "hospital" connected in meaning?

75

76

NOT THIS: What suffix can you add to "hospital"?

THIS: Of these words that rhyme with "can", which one is most fun to say?

77

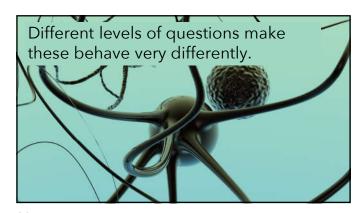
78

NOT THIS: Which words rhyme with "can"?

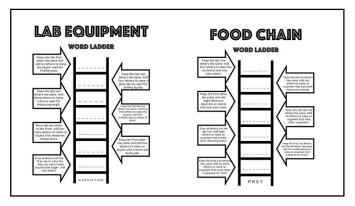
THIS: Because English is Germanic, "D" and "T" often shift. Keeping this in mind, discuss how "plod" and "plot" are similar?

79

NOT THIS: Explain what it means to "plod".



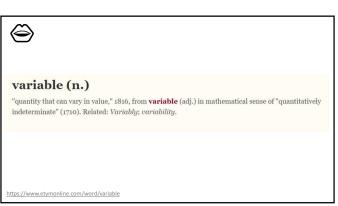
81



Practice	Characteristics of Mathematically Proficient Students*	
Model with	Mathematically proficient students can:	
mathematics.	Use a variety of methods to model, represent, and solve real-world problems.	
	Simplify a complicated problem by making assumptions and approximations.	
	Interpret results in the context of the problem and revise the model if necessary.	
	Choose a model that is both appropriate and efficient to arrive at one or more desired solutions.	
Use appropriate tools strategically.	Mathematically proficient students can:	
	Identify mathematical tools and recognize their strengths and weaknesses.	
	Select and use appropriate tools to best model/solve problems.	
	Use estimation to predict reasonable solutions and/or detect errors.	
	Identify and successfully use external mathematical resources to pose or solve problems.	
	Use a variety of technologies, including digital content, to explore, confirm, and deepen conceptual understanding.	
Attend to precision.	Mathematically proficient students can:	
	Understand symbols and use them consistently within the context of a problem.	
	Calculate answers efficiently and accurately and label them appropriately.	
	Formulate precise explanations (orally and in written form) using both mathematical representations and words.	
	Communicate using clear mathematical definitions, vocabulary, and symbols.	

83 84







In what ways does the adjective form of "variable" help us understand the more mathy noun form?



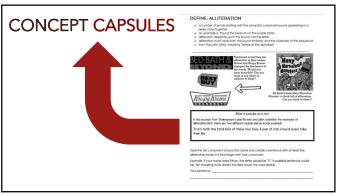
Come up with another word that could be substituted for "variable" that would be even more precise.



Compare the idea of a variable in mathematics to a changeable idea in another content area (verb endings, weather patterns, etc.)

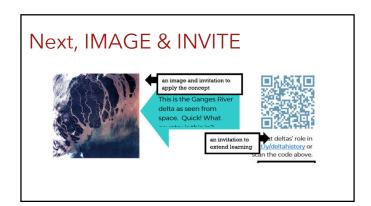
Lisa's LotD secret weapon

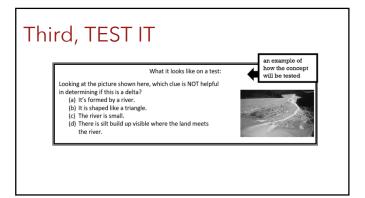
89 90

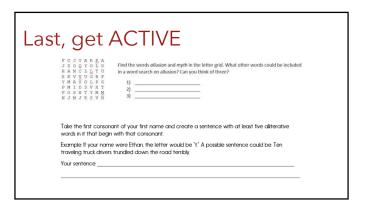




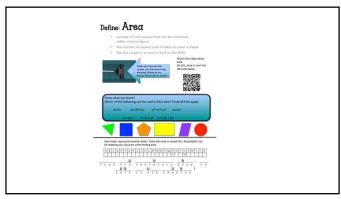








You can do it, promise!



The *logistics*.

Vocab, not spelling
 60 - 80 a year
 Distribute and discuss
 Give five & begin to play
 All fair game, all the time

100

Sharing...

my students' fave game.

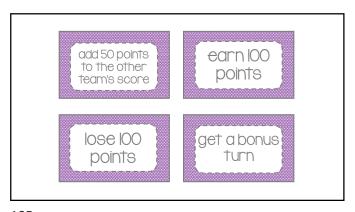
WILL THE WINNERS LOSE?

101





103



Disrupting LotD

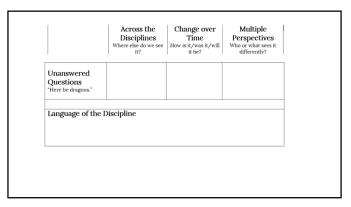
105 106

	_			
Dlannina		Acres the Distribute	Charge over These Service School (Addition)	Malityle Perspectives Nacerolasson is differently?
Planning	Details has the fam.			
	Protocol Drain continued into whatevolcy.			
	Treate Engle continued into the retire (respect orientation)			
	Exclusion continued into an desired principles (hierarchical exclusive distribution) or furticeastique).			
	Significant Concepts and showins.			
	Shind principles and common review.			
	Unanyoni Quartina			
	THE PARTY NAMED IN	Employment program		

	Unit:			
Lesson:_				
	Across the Disciplines Where else do we see it?	Change over Time How is it/was it/will it be?	Multiple Perspectives Who or what sees it differently?	
Details Just the facts.				

107 108

Trends	Across the Disciplines Where else do we see it?	Change over Time How is it/was it/will it be?	Multiple Perspectives Who or what sees it differently?
Details combined into directions (temporal relationships).			
Rules Details combined into ordering principles (hierarchical relationships).			
Big Ideas Concepts and theories.			
Ethics Moral principles and			



Resource Review

But first, video.

111 11

Begin Day 2

The part where Lisa tells a story.

113 114





Disrupting Frames



.7

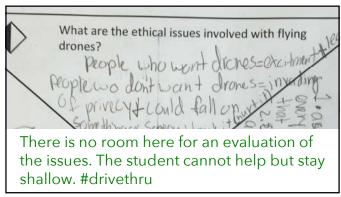


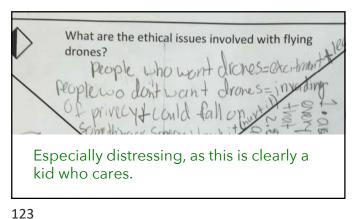
What are the ethical issues involved with fiving drones?

Hopk who want discussion with fiving the work from the want of the south for the sou

119 120

What-itis is too shallow for our purposes.



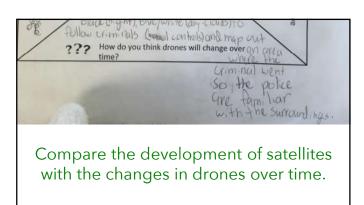


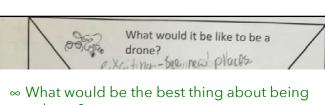
Modest, yet important, possible change

Which of the ethical issues surrounding drones do you feel is...

- ...most difficult to solve?
- ...most likely to impact safety?
- ...least likely to be an issue in twenty years?

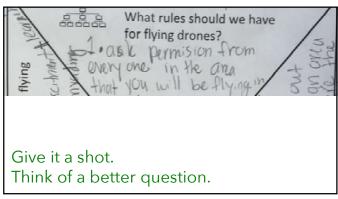
124



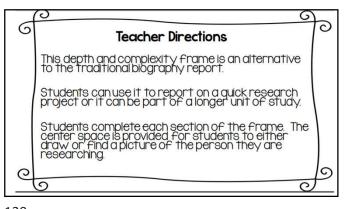


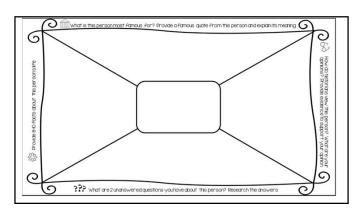
- ∞ What would be the scariest thing about being a drone?
- ∞ How do drones feel about birds?
- ∞ Are drones more envious of birds or kites?

125 126



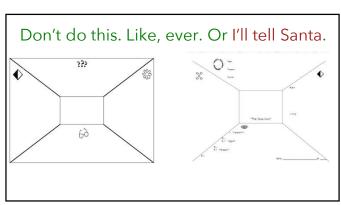
Oh, here's something else I don't like. #biglist





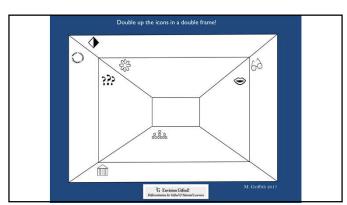
129 130

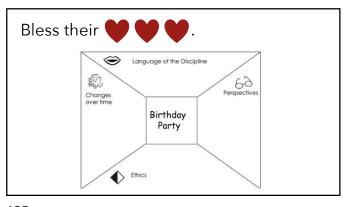
Cute is not synonymous with high-level thinking.



131 132

And we'll pull your Guild card if you do this:

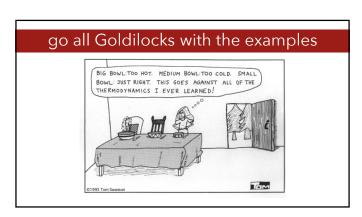




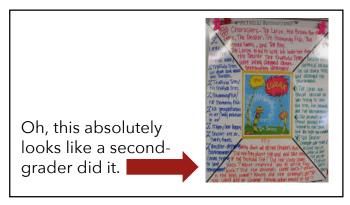


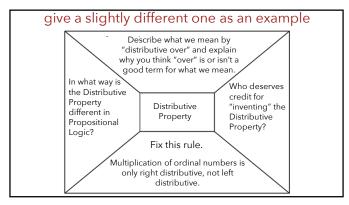
135 136

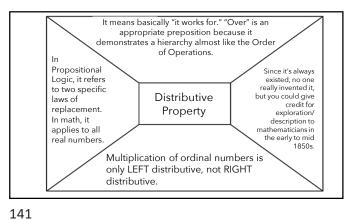
It's all and always about the *questions*.



137 138







In my examples, I want to show expected levels of:

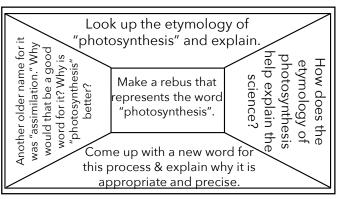
∞response length ∞depth of thinking ∞precision

141 142





143 144



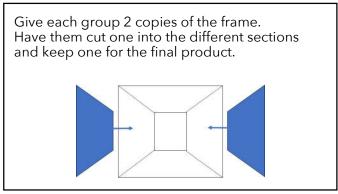


I've got three ideas for this (and there are more, more, more!).

Idea #1: Have students work in a group using the same Frame.

I call this "Break Apart."

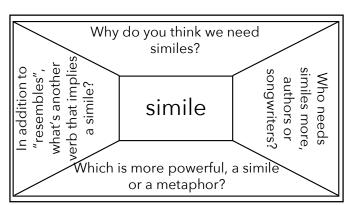
147 14



Idea #2: Have students respond to different questions using the same prompts & same topic.

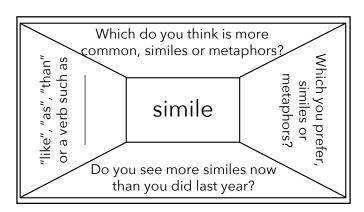
149 150

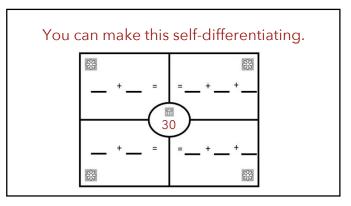
Okay, so my high level kids do this:



Then my on level kids do this (note the SAME content, SAME elements):

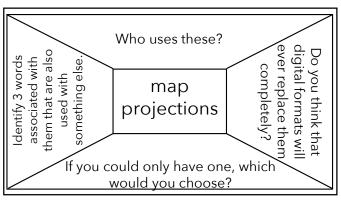
153

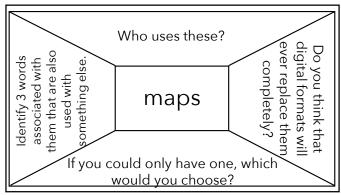




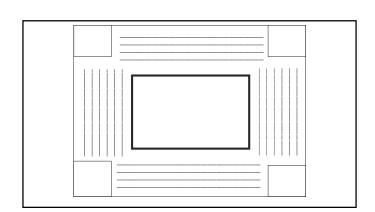
Idea #3: Use same prompts and questions, but different topic.

155 156

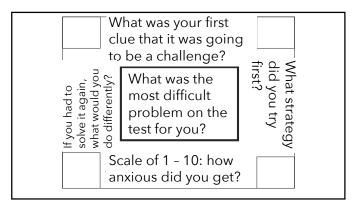






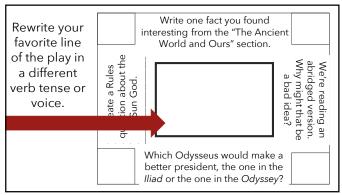


159 160

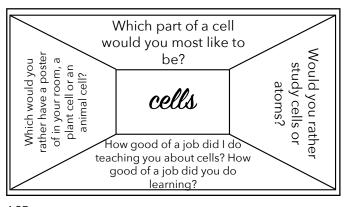


4) Replace a quiz/other assignment.

161 162



5) Allow for interest-driven engagement.



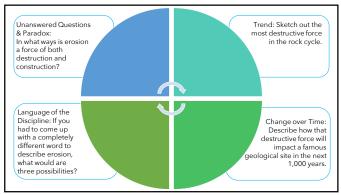
6) Integrate a graphic/design element

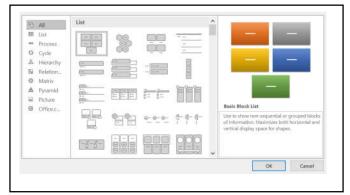
165 166

What is one What is something question you'd need that could to ask to be done to be more know if rules of lab safety safe here, are being even if it followed isn't an here? actual rule?

Be a *shape shifter*.

167 168







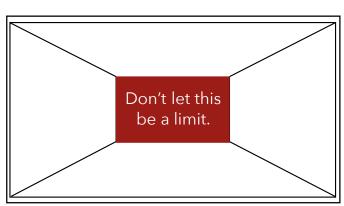
Have them *add on*.

172



Try a 3D frame.

173 174



Disrupting Frames