

K W H L A Q

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Focus on prior knowledge and defining purpose for reading **Focus on transfer and application**

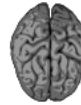
Observe, Think, Question

Observe Objectively



What do you notice specifically? Make close observations, not inferences.

Think Reflectively



Relate what you observe to what you know.

Question Frequently



What curiosities arise from your investigations?

Teachers of Inquiry must help students to...

- *...be curious...to wonder about things!
What do you wonder about this?
Are there some things you want to know more about?
What questions do you have about it?
- *...find problems, questions, and puzzles.
Is there anything that seems odd to you?
Is there anything you want to fix?
Why do you think the writer, artist, etc. did that?
What would you change if you could?
How would you make it better, or different?
- *...see out what's hidden or missing.
Do you notice anything that seems to be missing?
What would you add if you could add something? (Why do you think it's not there?)

Teachers of Inquiry must help students to...

- *...play with "what if" questions.
What if _____? (...Europeans never explored the Americas? ...There were no rules? ...Dinosaurs never existed?...It didn't get dark at night?)
- *...push beyond the obvious and seek unusual ideas.
How else can we think about this?
Is there anything else we can do?
What wacky and unusual ideas can you come up with?
- *...see other points of view.
How would _____ think about this?
What if you were on the other team; what would you think?
If you were looking at it from where it bird is, what might it look like?

Teachers of Inquiry must help students to...

- *...look for opposites, things that are contrary.
What is the exact opposite of the way we are thinking about this?
- *...challenge assumptions
Is there anything we are taking for granted?
Are you sure we have to do it this way?
Are we creating any "rules" that aren't really rules?
- *...explore new territory, go beyond the boundaries.
What if we changed the way we think about the problem?
What are some other ways to think about this that we haven't tried yet?

Inquiry Journal Stems

- What surprises/fascinates me is...
- What seems important here is...
- This reminds me of...
- I wonder...
- This relates to my own experiences...
- I want to know more about...
- This relates or is connected to...
- The important ideas/conclusions here are...

Resources

***LCPS PBL**

<http://www.lcpspbl.weebly.com>

Created by the LCPS PBL consultants, this website contains general information about PBL as well as PBL units created by L'Anse Creuse ProjectLearn participants, including lesson plans, teacher resources, student resources, examples, and more!

***Recipes4Success**

<http://www.recipes4success.com>

This comprehensive site from Tech4Learning not only contains software tutorials, but high-quality, inquiry-based lesson plans including assessment options, differentiation choices, extensions, and more!

***Thinkfinity**

<http://www.thinkfinity.org>

Thinkfinity.org makes it easy for educators to enhance their classroom instruction with lesson plans, interactive activities and other online resources. Thinkfinity.org also provides a wealth of educational and literacy resources for students, parents and after-school programs.

Notes