

**Science**

- What are the Latin & Greek roots of the vocabulary?
- What is the meaning of prefixes & suffixes?
- What are the relationships among concepts?
- What is the scientific meaning of the vocabulary?
- How is nominalization used?
- What are the processes discussed?
- What are the facts I need to note?
- What is the interpretation of the graphs, charts, and formulas?
- What are the functions of the investigation?
- Have the conclusions been corroborated? How does this information transform our knowledge?
- What is the meaning of the scientific signs & symbols?

**Mathematics**

- How is the information presented?
- Can I interpret the information?
- What is the specialized meaning of the vocabulary of mathematics?
- Can I explain what all the symbols mean, including the symbols from the Greek alphabet?
- What is the underlying logic of the theorem?
- What is the correct form of mathematical communication?
- How can I map mathematical representations against explanations in the text?
- Where are the errors?

**English/LA**

- What is the genre or text type?
- How is human agency involved?
- Is knowing about the author important for understanding this text?
- What is the author's purpose?
- What is the author's point of view?
- What are the important elements of the narrative?
  - Who? What? Where? When? Why?
- What is the theme? Where in the text is the theme made evident?
- What is the literal meaning and the implied meaning of the text?

**References:**

Stanford History Education Group <http://sheg.stanford.edu/>  
Jetton & Shanahan. (2012). *Adolescent Literacy in the Academic Disciplines*.  
New York: The Guilford Press.  
Lee, C. D. & Spratley, A. (2010). *Reading in the disciplines*. New York:  
Carnegie Corporation of New York.

**Social Studies****Source the Document**

- Who wrote this? What is the author's bias?
- What did the author know? When did he/she know that information?
- When was this written?
- Who is the audience?
- What is the author's purpose?

**Contextualize the Document**

- What is going on at this time?
- What were people thinking and doing?
- What did people believe?

**Summarize the Document**

- Who or what is this about?
- What is important about the who or what?  
(State in 10-12 words)

**Corroborate/cross-check documents**

- Do the documents agree?
- Do they tell the same or different stories?
- Which document is more believable? Why?