

Purchase Book: Taking Sides

Discussion questions to turn in before class discussion
1/2-1 page long reflections due the next day or week

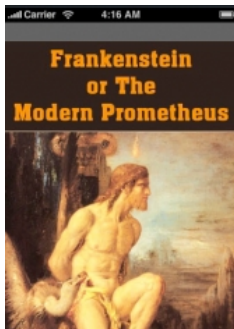
Rentals: 2010 Defining Moments and i-clicker

Research Project 1: Summer Reading Book

- Convocation notes on science and mathematics as well as controversy. Class discussion.
- Project - research 2 lenses/themes. Prepare informal research notes and a publication quality (maximum 1/2 page for each lens) summary.

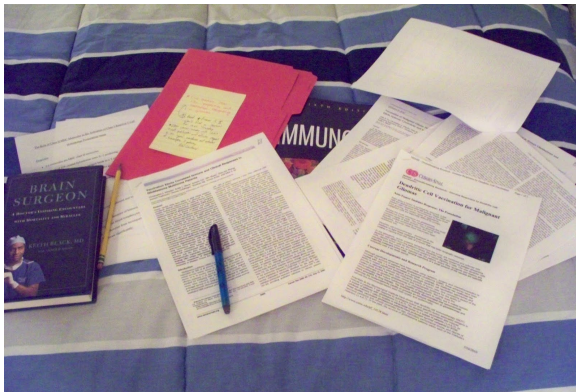
Academic Reading: Frankenstein

- Fun sci-fi monster or treatise about the limits of science?
- Context of the author: Mary Shelley's time - medical schools were examining the bodies of recently dead and entrepreneurs dug up specimens for doctors.
- Some academic readers connect to “our Frankenstein monster”
- Appeal of a novel lies in collaborative nature - actively involved in the creation of meaning.



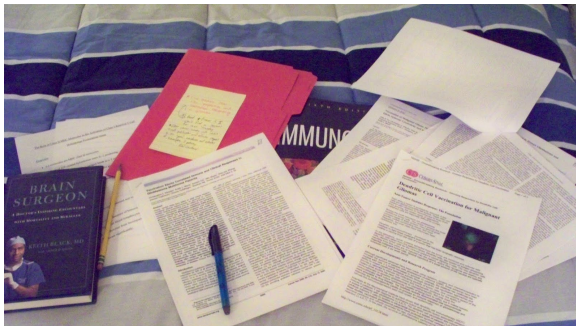
Reading about Research

- Textbooks
- Journalists or Wikipedia summaries
- Scientists and mathematicians discussing their own research or beliefs to a general audience
- Scientific or mathematical research papers



Reading Research Papers

- Basic understanding to broaden my knowledge?
- Analyze and critique the article?
- Pull specific methods or themes for my use?
- Audience of specialists: I might only be able to understand parts of an article, but still be able to get what I need. Or I may have to spend months or longer learning material to be able to do so.



Sixth Extinction: New Yorker staff writer Elizabeth Kolbert

- **First 2 Pages** (4 Sides)

RQ1: What are the various **academic fields** or subjects that relate to the article?

RQ2: Find at least one aspect that you **disagreed with or that related to you** in some way.

Sixth Extinction: New Yorker staff writer Elizabeth Kolbert

- **First 2 Pages** (4 Sides)

RQ1: What are the various **academic fields** or subjects that relate to the article?

RQ2: Find at least one aspect that you **disagreed with or that related to you** in some way.

- **Third and Fourth Pages** - In this section:

RQ1 + RQ3: **Methods** for experiments or forming theories. (One method is to isolate a sample of frogs from their environment. Another is to observe frogs in the wild to track the progression, or to take samples.)

Sixth Extinction: New Yorker staff writer Elizabeth Kolbert

- **First 2 Pages** (4 Sides)

RQ1: What are the various **academic fields** or subjects that relate to the article?

RQ2: Find at least one aspect that you **disagreed with or that related to you** in some way.

- **Third and Fourth Pages** - In this section:

RQ1 + RQ3: **Methods** for experiments or forming theories. (One method is to isolate a sample of frogs from their environment. Another is to observe frogs in the wild to track the progression, or to take samples.)

- **Fifth and Sixth Pages** - In this section:

RQ1 + RQ4: **Author credibility?** For example, empirical in presenting the ideas, logical errors like faulty cause/effect relationships, distortion, oversimplification, or faulty generalization?

IDS and Credibility

- Subjects?
- What kind of publication is the *New Yorker*?
- The author Elizabeth Kolbert?

Effective Writing Rubric

II. B. Use **writing** effectively to discover and develop ideas and to articulate positions in contexts of increasingly complexity;

What is good writing?

Effective Writing Rubric

II. B. Use **writing** effectively to discover and develop ideas and to articulate positions in contexts of increasingly complexity;

What is good writing?

Pearson, the American-based parent company of Edexcel, is to use computers to “read” and assess essays for international English tests in a move that has fueled speculation that GCSEs and A-levels will be next. ... Pearson claims this will be more accurate than human marking. Can computers now understand all the subtle nuances of language, or are people going to have to learn an especially bland form of English to pass exams? (Slashdot, September, 26, 2009)

Effective Writing Rubric

II. B. Use **writing** effectively to discover and develop ideas and to articulate positions in contexts of increasingly complexity;

What is good writing?

Pearson, the American-based parent company of Edexcel, is to use computers to “read” and assess essays for international English tests in a move that has fueled speculation that GCSEs and A-levels will be next. ... Pearson claims this will be more accurate than human marking. Can computers now understand all the subtle nuances of language, or are people going to have to learn an especially bland form of English to pass exams? (Slashdot, September, 26, 2009)

I. C. Examine and evaluate how their own personal, historical, and cultural **perspectives** affect the discovery and generation of knowledge;

IV. C. **Collaborate** effectively with others in a shared process of inquiry and problem-solving.

Build Connections with Each Other

Count the number of letters in your first name and find someone else in the class that has the same number of letters (or close). Find something non-obvious that you have in common and prepare to share that with the rest of the class.

Build Connections with Each Other

Count the number of letters in your first name and find someone else in the class that has the same number of letters (or close). Find something non-obvious that you have in common and prepare to share that with the rest of the class.

Quantify an object
Look for patterns