3.093 Group 4
Card Sorting exercise

Title: How to succeed at MIT with the least amount of work possible
Or, Information Exploration

How information is created
- Structure of scientific communication
- Inverted pyramid concept – broad to narrow when doing research
- Invisible college
- Scientific communication – what it is
- Scientific communication - how it began
- Publication cycle
- Checking more than one source to corroborate information

Types of information
- Evaluating information
- Difference between scholarly journals and popular magazines
- Differences between article databases and Google
- What is a primary source
- Conference papers
- Standards
- Patents
- Technical reports
- Chem Abs registry number
- Secondary Sources – what are they good for
- Secondary Sources – what are they and some examples
- What is a review article
- What is a database
- SciFinder Scholar
- Web of Science
- Web of Science – what makes this database different
- What is an index
- Compendex/Inspec
- Google Scholar
- Google

How information is shared
- Scientific Paper
- What is an abstract
- Publication cycle w/ scientific research
- The process a scientific paper goes through
- Preprints
- peer review

How to find this information
- Identifying keywords for your topic
- Searching by subject terms
- Browse for terms, authors to get correct spellings and variations
- Use Thesaurus to search
- Limiting by publication type, year, etc
- Searching by different fields if you know that information (author, title, journal)
- Boolean operators - And, Or, not
- Truncation
- limit to review articles

MIT's resources
- MIT Libraries home page
- Locations of Libraries at MIT
- What subjects each library at MIT covers
- Subject librarians
- How to get help with library research
- What is Barton
- Using Barton
- Using Vera
- What is Vera
- SFX and what it does

Scholarship (aka "don't be an idiot")
- Why it's important to cite properly
- Parts of a citation
- How to get help citing properly
- RefWorks or other bibliographic management software
- plagiarism or fraud in research/publication
- Alerting services – what they are, what they do