OUTLINE

- Library Services
- Information Cycle
- Evaluating Sources
- Peer Reviewed Articles
- Documenting Sources
- Finding & Accessing Information
  - Books, Articles
SCIENTIFIC INFORMATION CYCLE

Invisible College  Broadcast & Internet News  Newspapers  Magazines or Letters  Journals  Books & Government Information
SCIENTIFIC INFORMATION CYCLE

- Invisible College
- Broadcast & Internet News
- Newspapers
- Magazines or Letters
- Journals
- Books & Government Information

Accuracy of Data

EVALUATING SOURCES

- Who created?
- Why created?
- How created?
- What perspective is the author using?
INTERNET EVALUATION

• Invisible Web
• Google Scholar
• Some websites more reliable
  – *.gov
  – *.edu
  – *.org (especially professional organizations)

PEER REVIEW

• What is peer review?
• What is an editor?
• How important is peer review?
• What is the difference between an article in Science and Newsweek?
• What is the difference between an article in Civil Engineering and Journal of Transportation Engineering?
DOCUMENTING SOURCES

- References or Bibliography
- Follow formatting suggested by professor
- MS Word
- RefWorks (login through Libraries website)

BRAINSTORMING

- Think of Keywords and Synonyms
SUMMON
One search box...your library discovered

RESEARCH GUIDES
RESEARCH GUIDES

FINDING BOOKS

MountainLynx
http://mountainlynx.lib.wvu.edu
LC CLASSIFICATION LOCATIONS

• HE
  – Transportation and Communications

• TA 800
  – Tunnels

• TA1001-1280
  – Transportation engineering

• TE
  – Highway engineering. Roads and pavements.

• TG
  – Bridge engineering.

EBOOK COLLECTIONS

• Access Engineering
• Knovel
• ENGNetBASE
• Safari Books Online
• CivilENGINEERINGnetBASE
• Springer eBooks
• ebrary

• Handbook page on Research Guide
LOCATING JOURNALS

- Paper—Call number of Journal name
  - MountainLynx
- Electronic
  - “Findit@WVU” link
  - eJournal page
    http://www.libraries.wvu.edu/ejournals
  - Have a citation? “Citation Linker”
- Other Tips:
  - Transportation Research Record  HE131 .T73
  - Approx. nos. 480-1566 and then selected issues.
  - 1996 to Present available electronically.

FINDING ARTICLES

- Use Databases or Indexes.
- Indexers add in subjects and keywords.
- Often contain abstract or full text.
- Example
  - citations:
    2. Bicycle lanes in Toronto
    MacBeth, Andrew J. (Transportation Div of the City of, Toronto, Toronto, Canada) Source: TIE Journal (Institute of Transportation Engineers); v 69, no 6, 1999
    Database: Compendex
    Abstract - Detailed - Findit@WVU
    3. DIFFERENTIAL EFFECT OF BICYCLE LANES ON TEN CLASSES OF BICYCLE-AUTOMOBILE ACCIDENTS.
    Lee, John P., Let Dorn V., Source: Transportation Research Record; v 595, p 20-24, 1976
    Database: Compendex
    Abstract - Detailed - Findit@WVU
    4. Safety impacts of bicycle lanes
    Database: Compendex
    Abstract - Detailed - Findit@WVU
    5. User counts on bicycle lanes and multiuse trails in the United States
    Nuter, William H. (State of North Carolina, Chapel Hill, United States) Source: Transportation Research Record; v 1522, p 45-57, Jul 1995
    Database: Compendex
    Abstract - Detailed - Findit@WVU
2. Bicycle lanes in Toronto
   Maclellan, Andrew G. (Transportation Div. of the City of Toronto, Toronto, Canada). Source: TR Journal (Institute of Transportation Engineers), v 69, n 4, 1999
   Database: Compendex
   Abstract - Detailed - Find it @ WVU

3. Differential effect of bicycle lanes on ten classes of bicycle-automobile accidents
   Lee, Dae K.; Lee, Dong H. Source: Transportation Research Record, n 605, p 28-24, 1976
   Database: Compendex
   Abstract - Detailed - Find it @ WVU

4. Safety impacts of bicycle lanes
   Smith Jr., Robert L. (Univ of Wisconsin at Madison, United States); Walsh, Thomas. Source: Transportation Research Record, n 1188, p 48-56, 1988
   Database: Compendex
   Abstract - Detailed - Find it @ WVU

5. User counts on bicycle lanes and multiuse trails in the United States
   Hargett, William H. (Univ of North Carolina, Chapel Hill, United States); Huang, Norman F. Source: Transportation Research Record, n 1092, p 45-57, Jul 1990
   Database: Compendex
   Abstract - Detailed - Find it @ WVU
Limit to Journals

EI COMPENDEX

Search
"cellular telephone" AND distraction
Searching "bicycle lanes"
APPLIED SCIENCE & TECHNOLOGY SOURCE

SAE (SOCIETY OF AUTOMOTIVE ENGINEERS)
Coverage: 1998-present online
Pre 1998 request via ILLiad
QUESTIONS?

• Marian Armour-Gemmen
  – marmour@wvu.edu
  – 304.293.9758

Ask-a-Librarian:
http://www.libraries.wvu.edu/ask/