(Title slide) Research Skills – BLDG 2172 – Technical Report

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This document is available in alternate formats upon request.

(Slide 2) Off Campus Login

Accessing articles, e-journals, databases, e-books and more
Login: Your student number or employee ID
Password: STUview password
Still having trouble?
Please try Passwords FAQs, Password Reset, or the Contact Centre for more assistance.

(Slide 3) Getting Help – Ask a Librarian

Book an appointment for help with your research.
Include a brief description of your topic.
Email Andrea Hall at: andrea.hall@georgebrown.ca

You can find many ways to get help from our contact page, including the Help Button, email, AskON chat, call us, visit us with link to hours and locations, service directory, by phone and our research guides.

(Slide 4) Research Guide Green Construction

Research Guide: Green Construction
• Case Studies
• Incentives
• Retrofit Guides
• Regulation (includes Toronto bylaws)

The Green Construction Research Guides can be accessed from the Library Homepage under the Research by Subject link and then the Construction Technologies drop down menu.

(Slide 5) Construction and Architecture Desktop Folder

• LLC Desktop
• Folder includes City of Toronto Maps
• Folder Includes ASTM Sampling
(Slide 6) Information Sources – Codes

Print and Online:

Other examples:
- Building Code Compendium
- Canadian Electrical Code
- National Plumbing Code of Canada

(Slide 7) Information Sources – CSA Standards

CCOHS - EnviroOSH Legislation Plus Standards
Includes CSA Standards
- Go to database
- Scroll down to EnviroOSH Legislation Plus Standards
- Scroll down to CSA link
- Browse by Standard or Keyword Search (e.g. concrete, bridge, asphalt)

(Slide 9) Information Sources – Books and E-Books

- Reference books for quick definitions or explanations

- Non-reference Books
  - focused coverage
  - in-depth information
  - specific topics
  - related topics
  - historical discussions
  - E-books available to download to devices
  - Examples:
    2. Implementing Successful Building Information Modeling – by Erica Epstein.

(Slide 10) Database Searching

- You don’t need the whole sentence
  - Choose Keywords
- People don’t all think/speak or write the same
  - Think of common words/themes
Use AND OR
- **AND** = All these words
- (most of our databases default to an implied AND)
- **OR** = Either of these words
- (house or home)

Use quotations for phrases (2 or more words)
- “building information modeling”

**(Slide 11) Building a Search**

Sample Topic: Does BIM create more sustainable buildings

Identify key concepts
- BIM
- Sustainable
- Combine key concepts with **AND**
  - BIM and Sustainable

Identify synonyms or “like concepts”
- BIM (Building Information Modeling)
- Sustainable (environmental or green)

Combine synonyms with **OR** and ()
- (BIM or “Building Information Modeling”) and (sustainab*or green or environmental)

Look at words you want to truncate *
- Sustainab* (sustainable and sustainability)

Look at phrases (2 words or more)
- (“building information modeling”)

Search: (“building information modeling” or BIM) and (sustainab* or green or environmental* )

**(Slide 12) Identifying Databases**

- **Covered in Search Everything**
  - **Wilson Applied Science**
    - Covers many engineering journals
    - Products
  - **Science Direct**
    - Covers a wide range of science journals
    - Includes environmental science
  - **Academic Search Premier**
    - General arts and science database
    - Construction trade journal coverage
    - Environmental journals and magazines
  - **Business Source Complete**
- Good trade journal coverage for construction
  - Management journals are well covered

- **Essential for Canadian/Ontario centred topics**
  - [CBCA and Canadian NewsStand](#)
    - Canadian Coverage
    - Daily Commercial News

- **Building Green Suite**
  - Products Reviews and Articles

**Slide 13) BuildingGreen Suite**
- Articles on green building issues, materials, products and techniques
- Product Guidance section with BuildingGreen approved products
  *must create a free designer profile*

Search Box (top right corner)
- Sample searches
  - BIM (Building Information Modeling)
  - Sustainable (environmental or green)

**Slide 14) Starting Your Research – Library Homepage**

Use the George Brown College Library Learning Commons [website](#) in the “articles, books and more..” search box.

**Slide 15) Toronto Bylaws**
- [Bylaw Registry Search](#)
  - Search Toronto bylaws by number of keyword
  - Limit by date range

- [Municipal Code](#)
  - Compilation of common, citywide bylaws

- [Toronto Zoning Bylaw](#)
  - Includes single city-wide zoning bylaw
  - Interactive zoning map
(Slide 16) Incentive Programs - City of Toronto

- **City of Toronto: Grants, Incentives and Tips**
  - Includes several green incentive programs offered by the City of Toronto, including the Green Your Roof and the Home Energy Loan Program

- **City of Toronto: Programs for Business**

- **TAF: Toronto Atmospheric Fund**
  - Includes grants and loans for green improvements in high-rise and commercial buildings in Toronto

(Slide 17) Incentive Programs - Provincial and Federal

  - Provides a province by province search of financial assistance programs around energy efficiency initiatives. There are many programs included for both new builds and retrofits.

- **Ontario Ministry of Energy - Incentive Programs for Business**
  - This site has a link to incentive programs for property developers and builders

- **Ontario Ministry of Energy - Incentives Programs for Home**
  - This site offers links to incentive programs for energy efficiency initiatives for single and multiple unit housing