Concept mapping examples

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Concept Mapping For Librarians

Collaborating
- Creation
- Organization
- Communication

Designing
- Content
- Concepts
- Relationships

Teaching
- Active learning
- Demonstration
- Evaluation

WILU 2010
The Glass Menagerie
by Tennessee Williams

- Plot Overview
  - Plot
    - Portrait of Father
    - Amanda’s past
      - "The Play is memory"
    - Tom and the movies
    - Laura and the glass figure
  - Imaginary Worlds
  - Memory
    - Amanda’s past might be imaginary...
  - Themes

- Setting
  - Past
  - Present

- Characters
  - Amanda Wingfield
  - Laura Wingfield
  - Tom Wingfield
  - Jim O’Connor
  - Father

Literary Analysis Mind Map: The Glass Menagerie by Tennessee Williams
Literary Analysis Web: The Glass Menagerie by Tennessee Williams
Archetypal Themes

- Quest
- Hero
- Obstacle
- Outcast
- Death and Rebirth
- Imitation

Textual maps

Reading Strategies Mind Map: Understanding Archetypes
Reading Strategies Web: Understanding Expository Text Structures
Through reading I was amazed to discover how confused people were. (p. 23)

I discovered the Ogre rising up before me in a mist. (p. 24)

**FIGURE 1.1.** Eldridge Cleaver’s textual lineage, constructed from reading *Soul on Ice* (1968).
Impact of advertising on teen smoking

- Marketing campaigns
  - Surgeon general
- Counter campaigns
- Psychological factors
- School programs
- Peer pressure
- Rebellion
- Statistics on teen smoking
  - Canada
  - United States
How to Create a Concept Map

1. Identify the general/broad topic that you are interested in.

   Example: You are interested in the general topic of obesity

2. Brainstorm on the general topic and list all the concepts and themes that are related to the topic on a large piece of paper. Concepts should be as concise as possible.

   Example:

<table>
<thead>
<tr>
<th>Who?</th>
<th>Kids</th>
<th>Obese parents</th>
</tr>
</thead>
<tbody>
<tr>
<td>How many?</td>
<td>Adult female</td>
<td>Unhealthy Diet</td>
</tr>
<tr>
<td>Reasons or causes of</td>
<td>Mothers</td>
<td>Little physical exercise</td>
</tr>
<tr>
<td>Effects of</td>
<td>Depression</td>
<td>Soda pop</td>
</tr>
<tr>
<td>More fast food</td>
<td>Genetic</td>
<td>Dessert</td>
</tr>
<tr>
<td>Bigger portions</td>
<td>More TV viewing</td>
<td>Too much sugar</td>
</tr>
<tr>
<td>Large fries</td>
<td>Sedentary life style</td>
<td></td>
</tr>
<tr>
<td>Diabetes</td>
<td>Low work productivity</td>
<td></td>
</tr>
<tr>
<td>Technology dependent</td>
<td>Low self-esteem</td>
<td></td>
</tr>
<tr>
<td>Stroke</td>
<td>Poor emotional</td>
<td></td>
</tr>
<tr>
<td>Heart disease</td>
<td>Physical fitness</td>
<td></td>
</tr>
<tr>
<td>High-blood pressure</td>
<td>Balanced diet</td>
<td></td>
</tr>
<tr>
<td>Balanced diet</td>
<td>Nutritious meal</td>
<td></td>
</tr>
<tr>
<td>Little sugar</td>
<td>Less fast food</td>
<td></td>
</tr>
</tbody>
</table>

3. Using unlined paper, write the main theme in the center of the page.

4. Take the other concepts identified in the brainstorming and connect them to the center concept. You can use circles to indicate similar concepts, arrows to indicate causes and effects, and groups to indicate related themes. More important ideas should be put nearer to the center and less important ones further away.
Active learning

To create a concept map, start by identifying the main concept or topic you want to explore. Then, branch out with subtopics and related ideas. It's helpful to use keywords, arrows, and labels to connect the concepts. Use different colors or shapes to visually distinguish between different categories or levels of information.

When creating a concept map, keep the following tips in mind:
- Start with the main concept in the center and expand outward.
- Use keywords and phrases to describe each concept.
- Use arrows to show the relationship between concepts.
- Group related concepts together to create clusters.
- Add examples and details to clarify the relationships.
- Review and revise your map to ensure it accurately represents the relationships between the concepts.
First concept map, students

What are birds?

- Parking Lot
  - Fly
  - Feathers
  - Hollow Bones
  - Eggs
  - Two Wings
  - Beaks
  - Insulation
  - Light body Weights

- Birds
  - Food
  - Rapid Digestive Systems
  - Warm-Blooded Animals
  - Constant Body Temperature

- General
  - 14 concepts
    range from

- Specific
  to
Assignment, Student

begrippen
- Visueel schema
- Concept map
- Mindmap
- Tony Buzan
- Joseph Novak
- Web
- Top-Down
- Links-Rechts

werkwoorden op pijl
- bedacht door
- is
- heeft als vorm

Minor Knowledge Management
Parking Lot

Theses
Books
Journals
Library Catalogue
Databases
Boolean operators
Articles
E-books
Research topic
Interlibrary loan
What type of information will I find in the Library Catalogue?

Library Catalogue

- Books
  - includes
  - E-books
- Databases
  - index
- Theses
  - may include
- Journals
  - contain
- Articles

Parking Lot

- Theses
- Books
- Journals
- Library Catalogue
- Databases
- Boolean operators
- Articles
- E-books
- Research topic
- Interlibrary loan
What is the relationship between political participation and religious affiliation?

Concept map of information sources:

- Previous research studies (in the form of:
  - Books
    - Catalogue
    - Bibliographies
  - Scholarly articles
    - Catalogue
    - Bibliographies
    - Databases
- Public opinion polls (online data:
  - Gallup polls
  - ESS
- News articles (found in:
  - Databases
  - Websites)

Evaluators:
- George
- John
- Paul
The Research Process

Assignment

TOPIC

Term Paper

Use

Know & Plan

Evaluate

Access

Assess

Assess

Assess

Assess

Communication

Information Universe
Shielding from Radiation, Teacher

\[ K_z < \frac{1}{4} \cdot K_p - \frac{A}{r^2} \]

\[ K_p = \alpha \cdot K_p \cdot \frac{A}{A_{of}} \cdot \frac{1}{r^2} \]

- \text{Onafgeschermd} + idem als bij afgeschermd
- \text{Small + brede bundel}
- \text{Gammarasing}
- \text{Röntgenstraling}

\[ I_d = I_0 \cdot e^{-\frac{d}{\delta}} = I_0 \cdot 2^{-\frac{d}{\delta}} \]

\[ I_d = I_0 \cdot e^{-\frac{d}{\delta}} \cdot B = I_0 \cdot 2^{-\frac{d}{\delta \cdot B}} \]

\[ I_d = I_0 \cdot e^{-\frac{d}{\delta \cdot B}} \]

Jelle Scheurleer
Summary of research, teacher
Prezi: No self-respecting physicist...
Evolution of the pathogen *Mycobacterium avium* subsp. *paratuberculosis*

- **M. avium** acquired
  - virulence factors stimulate an immune response
    - innate
      - that is
        - adaptive
        - that is
  - common to unique to
    - pathogenic subspecies
    - subspecies *M. paratuberculosis*
  - as a result of
    - genetic characterization
      - of pathogen genome defines genomic events to pathogenicity
      - of host genome
Evolution of the pathogen *Mycobacterium avium* subsp. *paratuberculosis*

- **Mycobacterium avium**
- "M. avium"
- *paratuberculosis*
- virulence
- virulent
- toxin
- infection
- disease
- *Etc*...

- **virulence factor**
- **pathogen**
- **genetic characterization**
- **subspecies** *M. paratuberculosis*
- **host genome**
- **pathogen genome**
- genomic events to pathogenicity
- defines
- **pathogenic subspecies**
- **common to**
- **unique to**
- **stimulate an**

**Teaching**

**Pathway**:
- **acquired**
- **virulence factors**
- as a result of
- **of**
- **of**
GLIS 637 Concept Map
Designing

Context
- Content: What is the subject matter?

Outcome
- What will students learn?

Assessment
- Are students learning?

Strategy
- What activities will support learning?
Mobile mapping
Mobile mapping

Android Market

This is a showcase for some of the featured and top ranked applications and games available on Android Market. For a comprehensive, up-to-date list of the tens of thousands of titles available, check out Android Market on your handset.

Thinking Space

Developer: C Chilton

Portable Mind Mapping has never been so much fun! Create visual mind maps that help organize and plan your activities and ideas. * Awesome mind mapping tools (links, notes, colors, icons). * Great for study, meetings, tasks, planning, go well! study, organize, revision, learn, brainstorming, studying, more study

AppImage 4:07 PM

Apply changes to subnodes
Results 1 - 25 of 120,890 for communism, sorted by: relevance

Your query has been expanded with: Communism and Judaism (subject), Communism and Zionism (subject), Marxism (subject), Bolshevism (subject)

Epstein, Melech
New York, Trade Union Sponsoring Committee [1959]
Found: and (4) Communism (3) Jewish (2) communists (1)
Special Collections, Ludwig Rosenberger 70-90
Rosenberger Library of Judaica

Epstein, Melech
New York, Trade Union Sponsoring Committee [1959]
Found: and (4) Communism (3) Jewish (1) Zionism (1)
Regenstein, Bookstacks DS143.E64

3. The myth of Jewish communism: a historical interpretation / André Gerrits.
Gerrits, André.
Brussels ; New York : P.I.E. Peter Lang, c2009.
Gods, humans, and religions ; no. 16
Found: Communism (2) Jewish (2) and (1) communists (1)
Regenstein, Bookstacks HX560.J4 G36 2009
Information Retrieval

Google Wonder Wheel - great tool
Image credits

• Slides 3-6: “Integrate Inspiration® Into Your Curriculum”, Inspiration website: http://www.inspiration.com/inspiration-language-arts-examples
• Slide 20: Open Access concept map by Laura Briggs, http://www.ualberta.ca/~lbriggs1/briggs/openaccess.html
• Slides 9-10: Utah State University Libraries Reference Services Department http://library.usu.edu/instruct/tutorials/cm/CMinstruction2.htm
• Slide 25: McGill University Teaching and Learning Services
THANK YOU