Concept Maps

PER Session 2, ITW2019
Plant

- Roots: has
- Leaves: need
- Flower: has needs, can be
- Sun: is
- Water: need
- Green: are
- Yellow: can be
Mind maps vs. Concept maps

- Plant
  - Roots
  - has
  - find
  - Water
  - need
  - Leaves
  - need
  - Sun
  - is
  - Green
  - Yellow
  - has
  - needs
  - can be
  - are

- Sun
  - is
  - Yellow

- Flower
  - has
  - needs
Mind maps vs. Concept maps

Plant

Roots

Leaves

Flower

Sun

Water

Green

Needs

has

find

needs

are

can be

is

Water

Leaves

Sun

Yellow
Mind maps vs. Concept maps
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- Shows associations and subtopics of a domaine
Mind maps vs. Concept maps

- Shows associations and subtopics of a domaine
- Shows relationships between concepts
Mind maps vs. Concept maps

• Shows associations and subtopics of a domaine

• Free-form

• Shows relationships between concepts
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- Shows associations and subtopics of a domaine
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- Fast note taking and reviewing

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- Highly structured
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- Teaching, self-study, reviewing
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- Shows relationships between concepts
- Highly structured
- Teaching, self-study, reviewing
- Easy to read

Mind maps
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- Free-form
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Concept maps
- Shows relationships between concepts
- Highly structured
- Teaching, self-study, reviewing
- Easy to read
Mind maps vs. Concept maps

- Shows associations and subtopics of a domain
- Free-form
- Fast note taking and reviewing
- Harder to read

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Mind maps vs. Concept maps

• Shows associations and subtopics of a domain
• Free-form
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What would you like your students to know about CERN and particle physics?
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1. Focus question
2. Three to five key concepts
3. Connect with arrowed lines and linking words
4. Expand
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1. Focus question
2. Three to five key concepts
3. Connect with arrowed lines and linking words
4. Expand

- Water needs find to have access to Sun which is Yellow
- Sun has needs for Leaves which need Green
- Plant has Roots and Flower which can be Yellow
- Leaves are connected to Sun which is Yellow

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Plant:
- Roots
- Flower

Connect:
- Water needs find to have access to Sun which is Yellow
- Sun has needs for Leaves which need Green
- Leaves are connected to Sun which is Yellow

Expand:
Thank you for your participation!
cern.ch/anjakranjchorvat