

Mind Mapping for Ideas in Early Childhood Programs



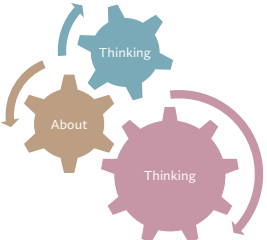
Dr. Diane Kashin, RECE

1



WELCOME!
Let's Activate our Minds
Think about thinking

2



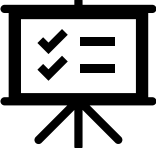
Metacognition

3




4

Poll




After the poll if you can't see the slides, click the flower in the task bar at the **bottom of your**




5

Poll








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6

Accessing Prior Knowledge Poll (which answer best describes what you know about mind maps?)

-  Mind maps aid learning and support creativity
-  Mind maps have intuitive power
-  Mind maps are for brainstorming
-  Mind maps make learning visible
-  Mind maps are a pedagogical teaching and learning tool



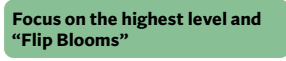
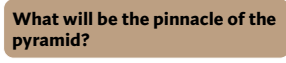
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The Rationale for Mind Maps

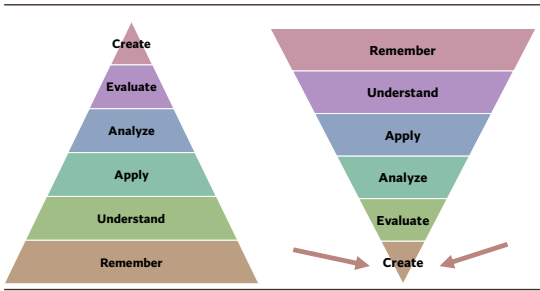
-  What is the main goal of mind mapping?
-  To activate the mind at the highest level possible!?!

8

Higher Order Thinking

-  Bloom's taxonomy (visualize a pyramid)
-  Six levels of learning
-  Focus on the highest level and "Flip Blooms"
-  What will be the pinnacle of the pyramid?

9



10

Creating Mind Maps Make Learning Visible



11

Making Learning Visible



Pedagogical documentation is making learning visible
 Mind maps are documents that also make learning visible
 Documentation becomes pedagogical when it helps you create the paths forward
 influences how will you “program” for children’s interests.

12



13

Visual Representations of Professional Learning!



PROFESSIONAL JOURNALS



DOCUMENTATION BOOKS

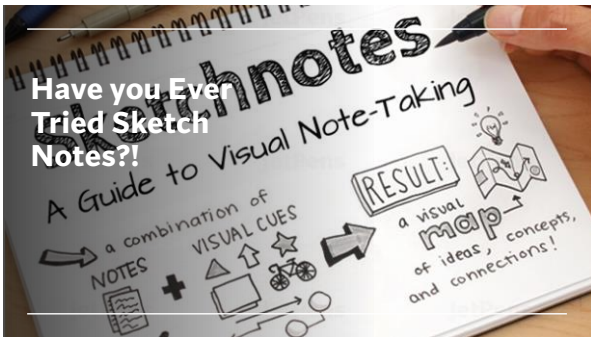


MIND MAPS



SKETCH NOTING

14



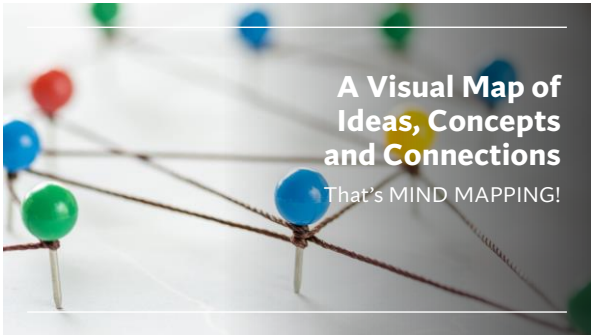
15

Making Thinking Visible with Mind Maps

The brain likes to play association, to connect ideas, memories or information to tens, hundreds and even thousands of other ideas and concepts.

Mind maps are a pedagogical teaching tool!

16



17



18



19

<h2>Co-Construction</h2>	Based on the educational theory of constructivism that emerged in the 1930s
	Learning involves meaningful experiences for autonomous learners.
	Learning is self-directed, intrinsically motivated with actively engagement within the environment and with others.
	Others include children, teachers and families

20

<h2>Co-Constructing with Mind Maps</h2>	
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21




What is at the Core of a Mind Map?

The core reflects the main topic or concept or idea
 If we were to create a mind map what would be our main topic?



22

The Starting Point!

-  **Put children and their interests at the core of mind maps!**
-  **What is interesting to you about children's interests?**
-  **An interest is the state of wanting to know or learn about something**

23


Interests are so Interesting!

What are we interested in about children?
 Do we have shared interests?




24

Shared Interests!



I, Thou, It
(David Hawkins)



How does it feel to share an interest with someone else?

What happens when your interest intersects with the interest of a child?

MAGIC Happens when we share our interests!

Hawkins Centers of Learning

25

What is this Child Interested in?



Snow?
Winter?
Temperature?
Agency?
Identity?
What do you think?

26

People can write comments about anything that relates to the topic or question.

This open structure is useful to help generate free-flowing thoughts about a topic.

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What's your main idea or topic?

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27

Mindmap Summary

This open structure is useful to help generate free-flowing thoughts about a topic.

From the mind map, write 3-5 sub topics or sub ideas of play possibilities. Take it to the children! Use a star, and vote on the sub topics or sub ideas to prioritize.

28

Concept or Topical Mapping?

- The concept or idea of cars - not the topic of cars ... Why? The verb not the noun.
- Concepts are abstract ideas. They are the fundamental building blocks of all aspects of cognition.
- Conceptualize to formulate a "burning learning" question related to the concept of interest
- How?

29

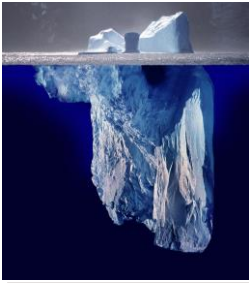
Go Below the Surface to find the "Burning Learning" Question

What are your observations of the children telling you?

What interests, puzzles or intrigues you about children's interests?

What are your theories?

30

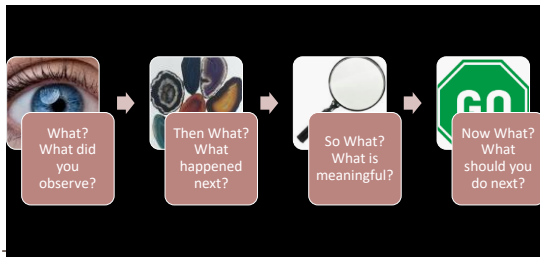


Going Deeper! Above or Below the Surface?

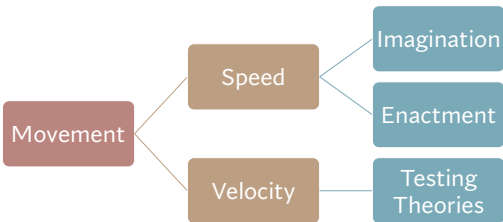
- Facts?
- Meaning Making?
- Answers?
- Theories?
- Memory?
- Relationships?

31

Find the Meaningful ...



32



How will the children respond to the addition of ramps and pathways to the block area indoors and the sandpit outside?

33

Webbing Possibilities

- Concept Web (Educator's Brainstorm Together)
- What Children Already Know Web (Prior Knowledge)
- What Children Are Interested in Learning More About Web (Interests/Theories)
- Curriculum Web (Planning)

34

Wait a Minute! Is a Mind Map a Web?

35

Webs!

- Help to make connections and build relationships.
- Help to take a layered approach
- To see the circles within the circles or the stories within the stories
- Can deepen the experiences provided for children and heighten awareness of pedagogy and curriculum.
- The web suggests an interconnection between layers beginning at the centre and moving outwards.
- Weaving webs is a superpower!

36

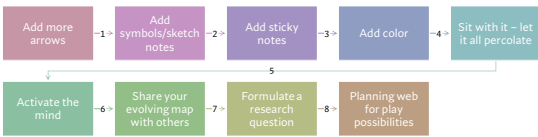
Weaving Web's Together

Children's prior knowledge and experience
Children's ideas, theories and curiosities
Teacher's research on the main concept
Teacher's ideas, theories and curiosities

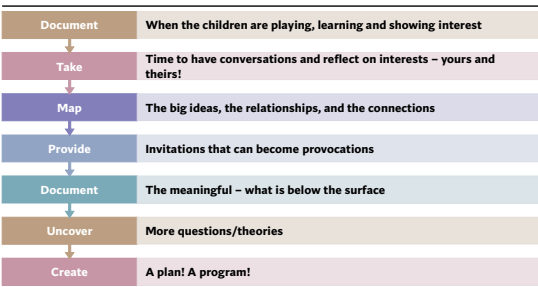


37

Analyze Webs/Maps for Big Ideas



38



39

On-Line Mind Map Tools for Co-Construction

Google "free"
There are many to choose from!
Collaboratively add to your "concept" map



40

It has been my pleasure to **give** this presentation to you for your consideration

What will you **take** away?

How will you **give** back?

Giving, Taking Away and Giving Back

41

- I'd love to hear from you ... with feedback and/or ideas for future webinars diane.kashin@gmail.com
- Find me on Facebook – Diane Kashin
- Find me on Twitter and Instagram - @DianeKashin1
- Find my Facebook pages – Technology Rich Inquiry Based, Resources to Support Child Development and the York Region Nature Collaborative
- Find and follow my blog – Technology Rich Inquiry Based Research

42