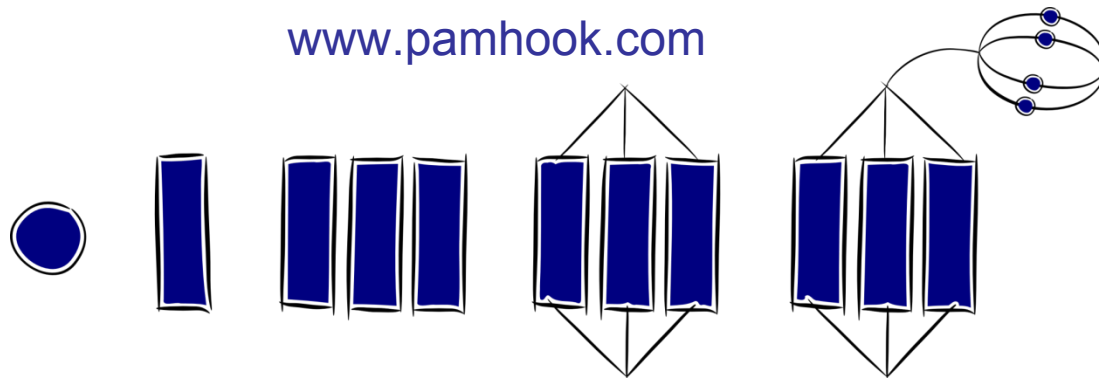


# HOT Maps & SOLO Taxonomy

Making Learning Visible

Pam Hook

[www.pamhook.com](http://www.pamhook.com)



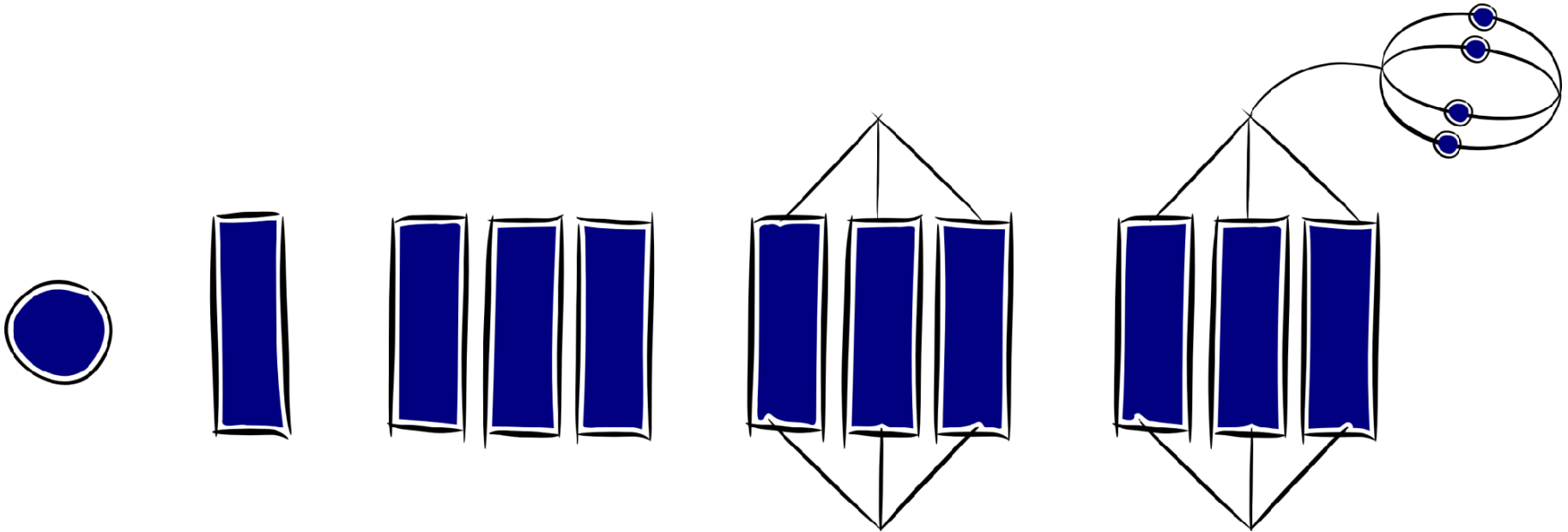
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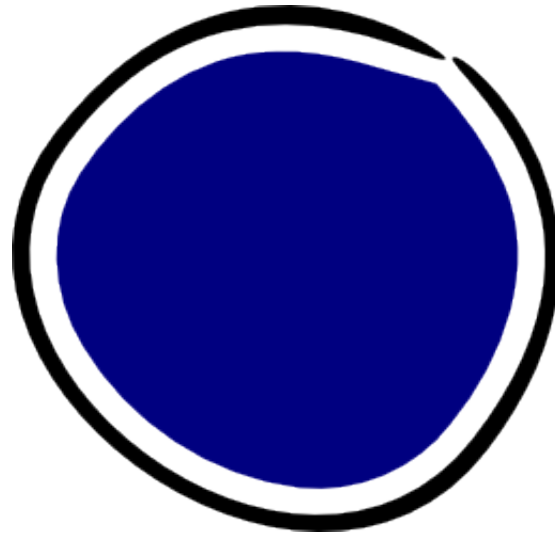
# SOLO Taxonomy - Biggs and Collis 1982

## The Structure of Observed Learning Outcomes



# SOLO PRESTRUCTURAL:

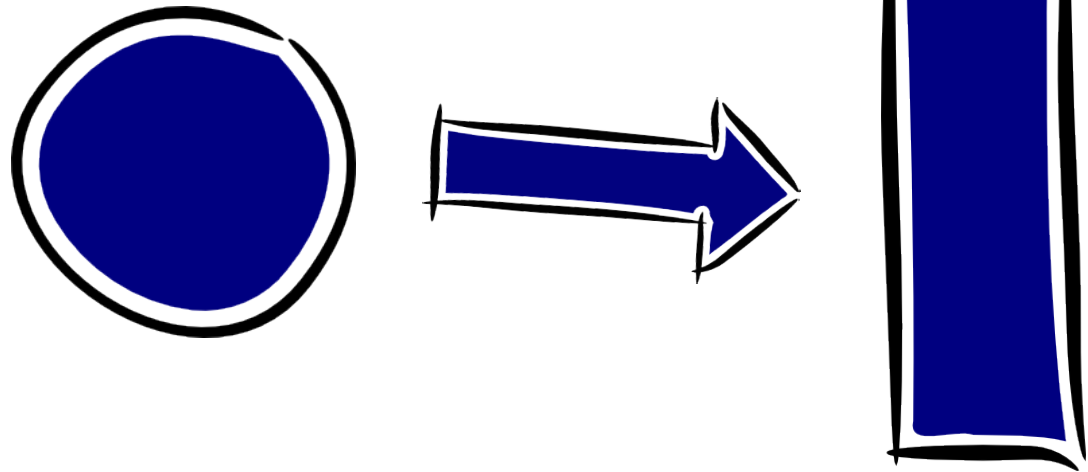
Learning outcomes show unconnected information, no organisation.



*“I need help to ...”*

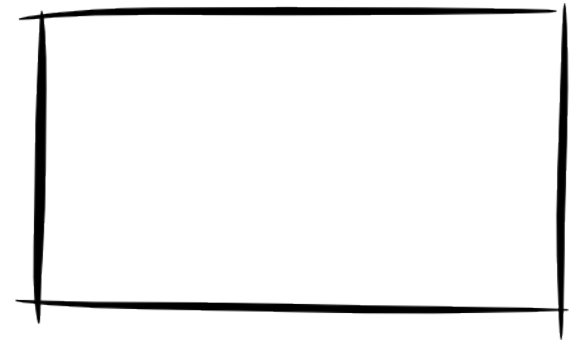
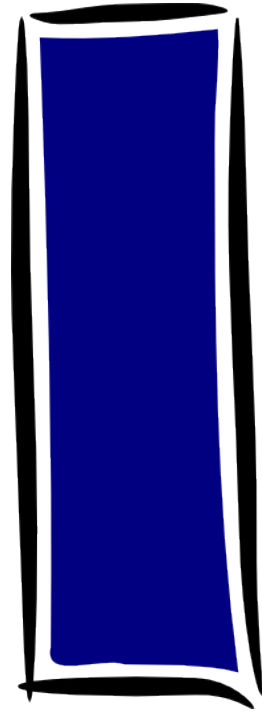
## Where to next:

For student with **pre-structural learning outcomes.**



# SOLO UNISTRUCTURAL:

Learning outcomes show simple connections but importance not noted.

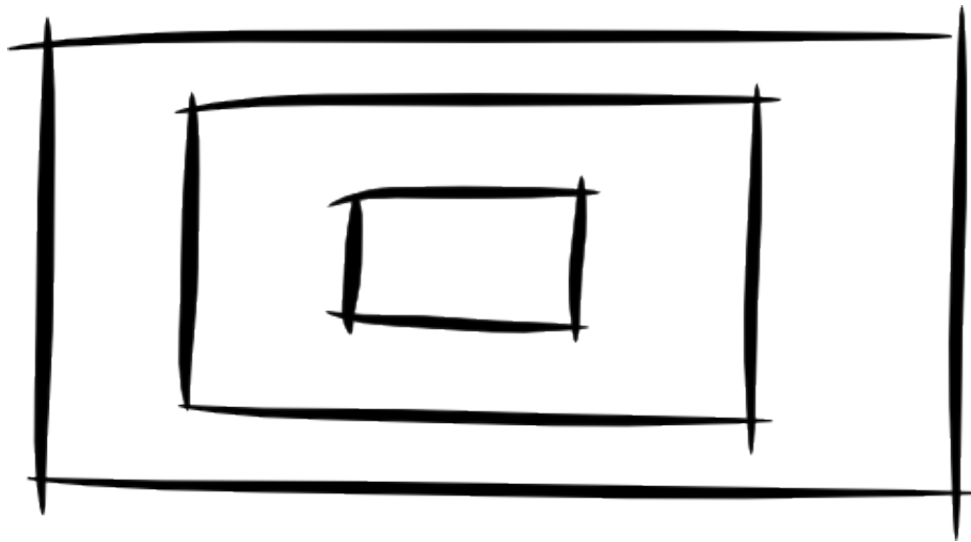







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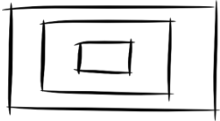
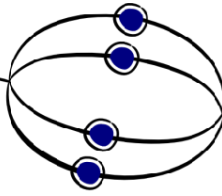
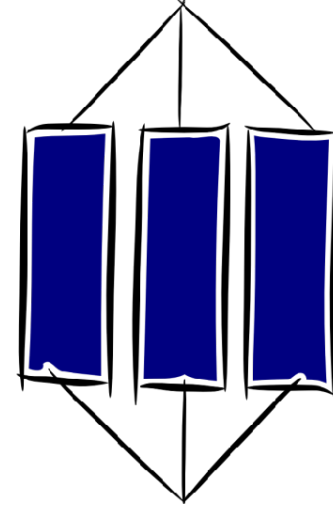
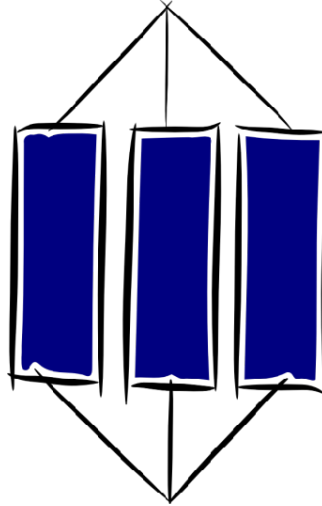
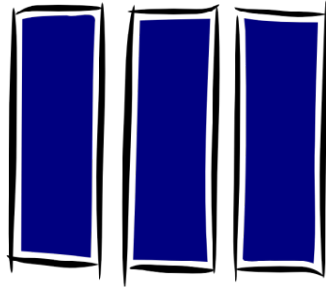
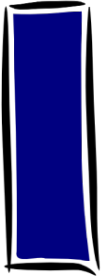
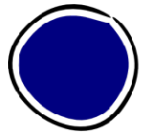
*“I have one idea about ...”*

# Bringing in ideas: HOT Maps and Self Assessment Rubrics



**HOT DEFINE Map & Self assessment rubric**



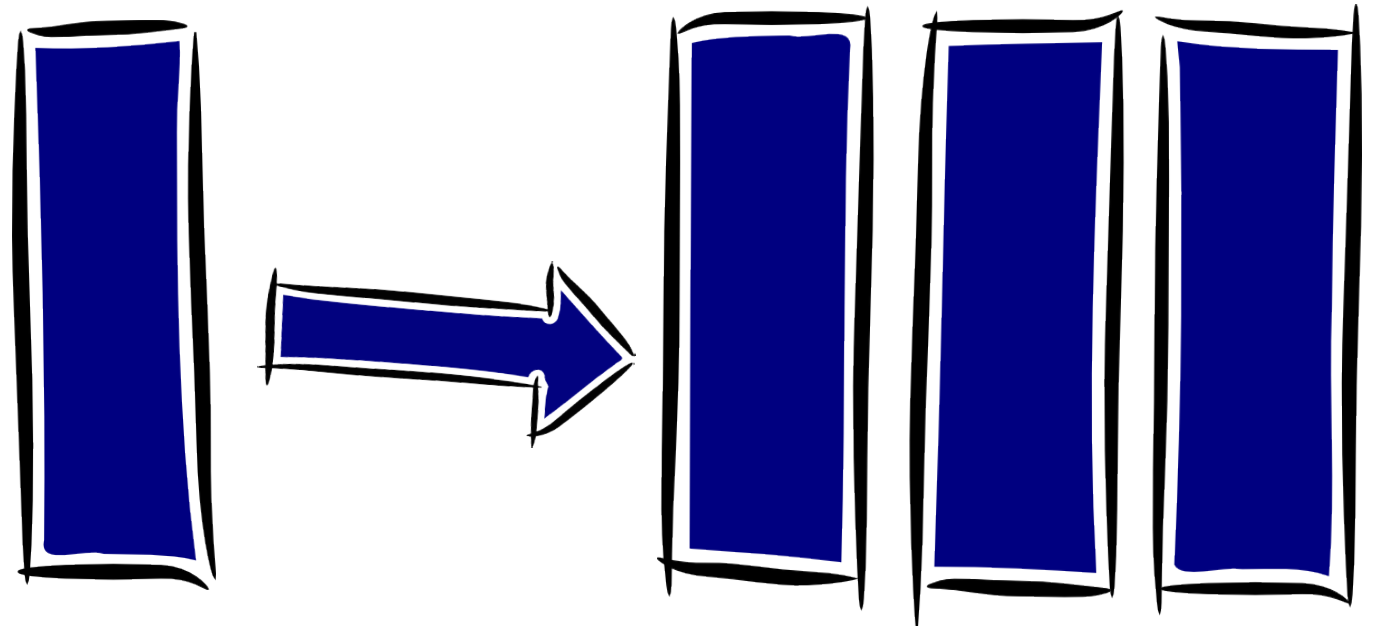
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HOT Maps and SOLO Taxonomy

## Where to next:

For students with **unistructural** learning outcomes.

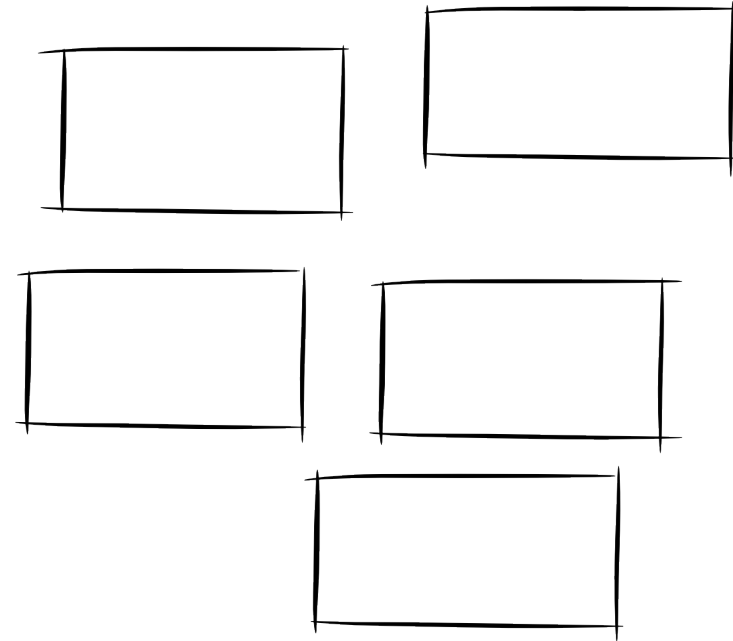
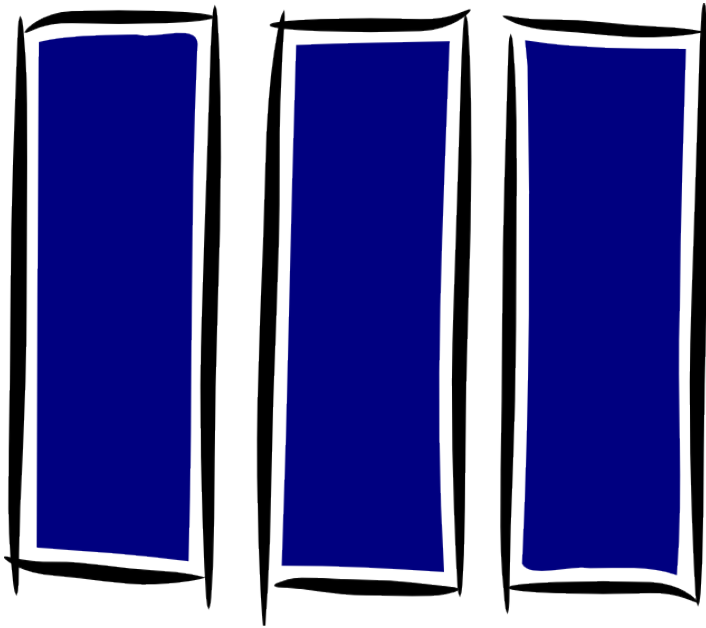


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# SOLO MULTISTRUCTURAL:

Learning outcomes show connections are made, but significance to overall meaning is missing.

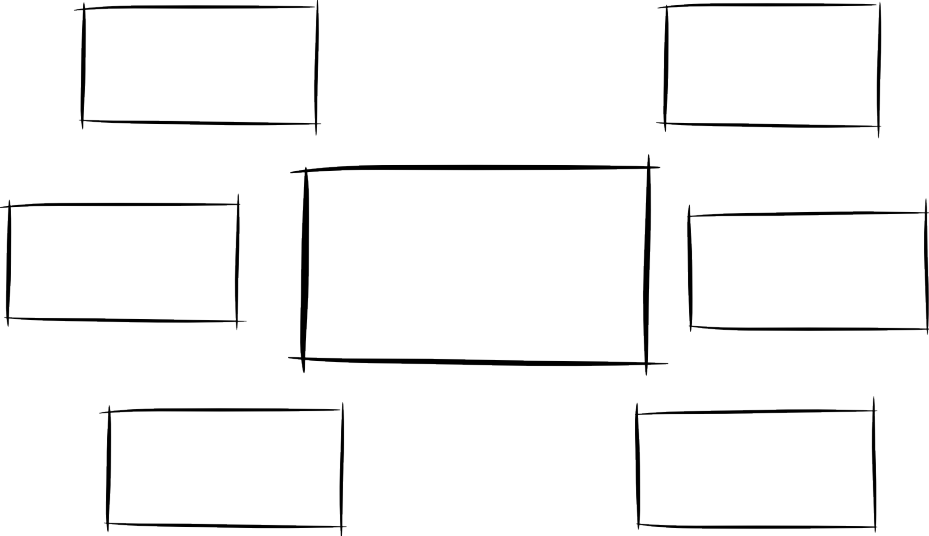


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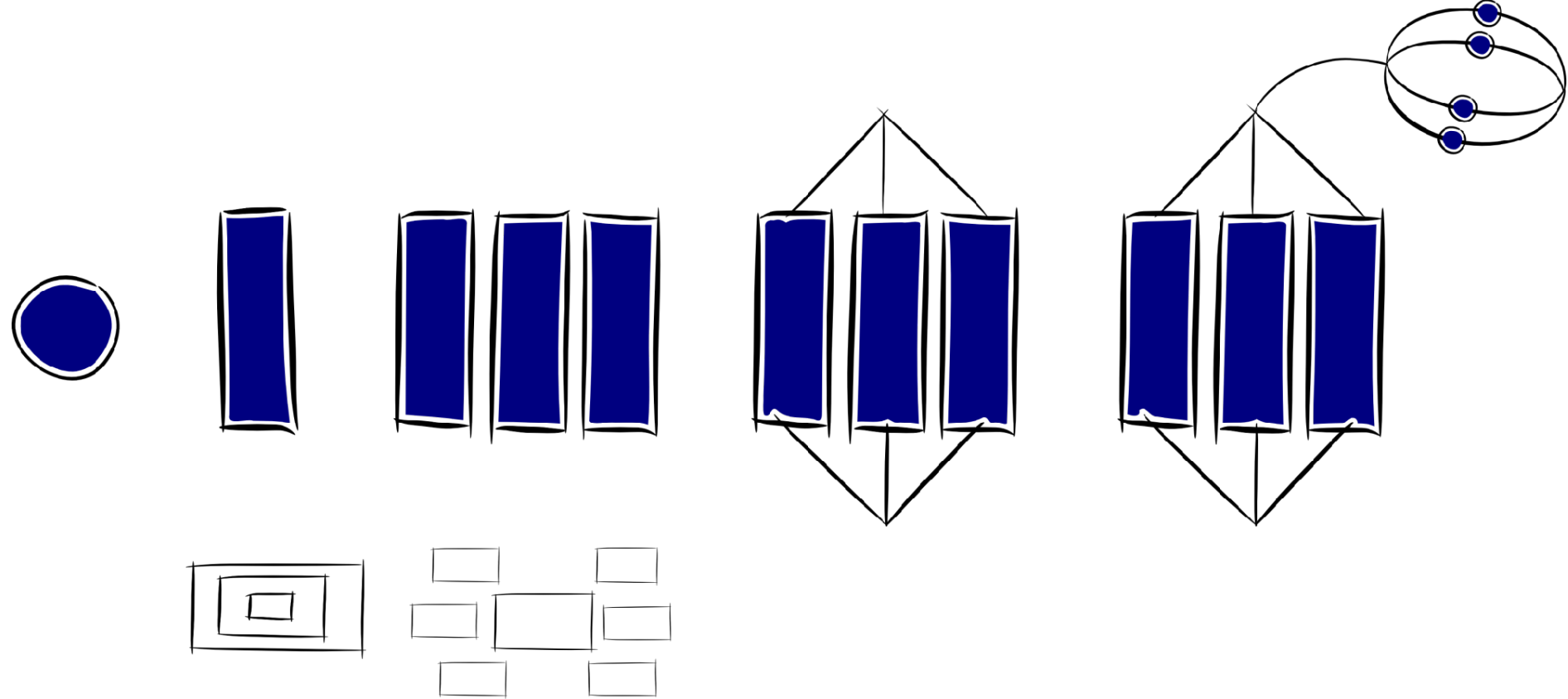
[www.hooked-on-thinking.com](http://www.hooked-on-thinking.com)

*“I have several ideas about ...”*

# Bringing in ideas: HOT Map and Self Assessment Rubric

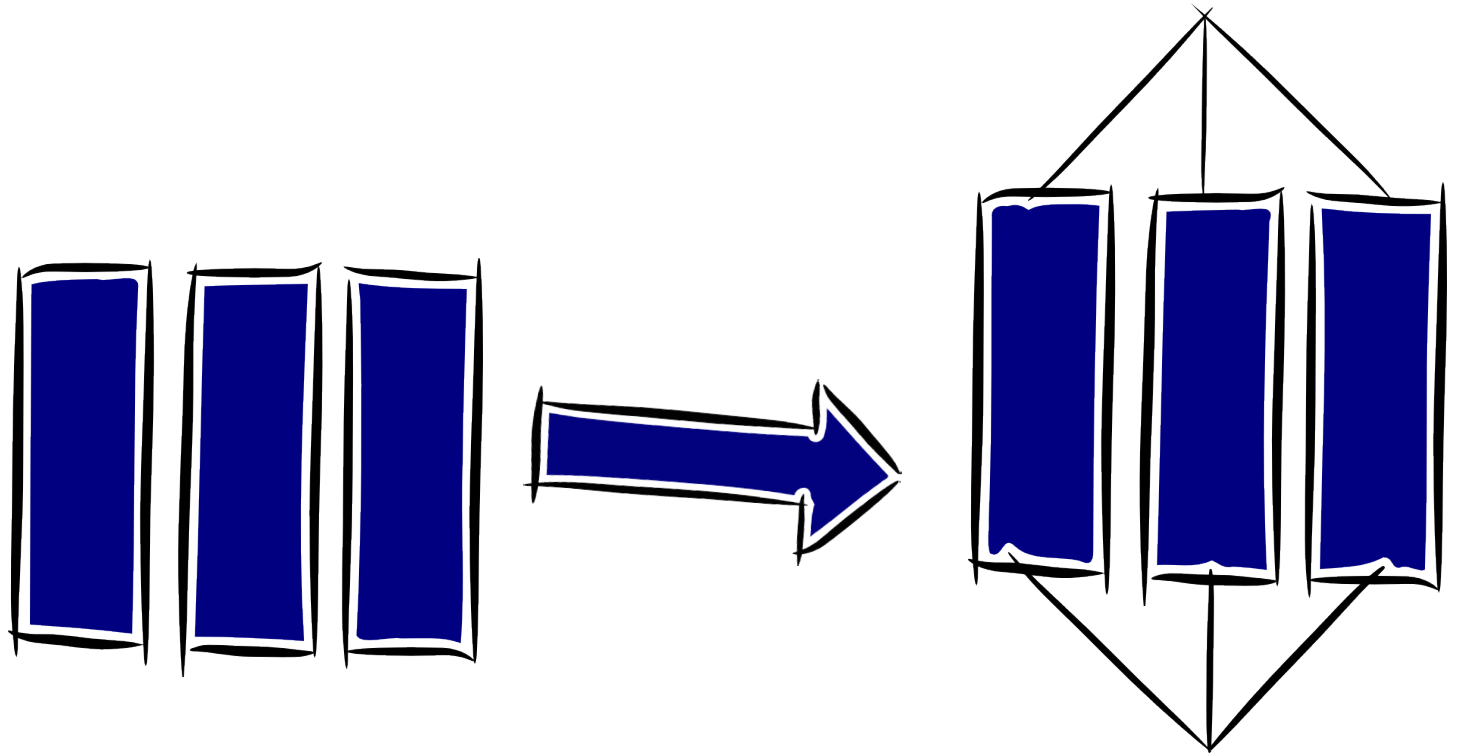



**HOT DESCRIBE Map & Self assessment rubric**



# Where to next:

## For student with **multi-structural learning outcomes.**

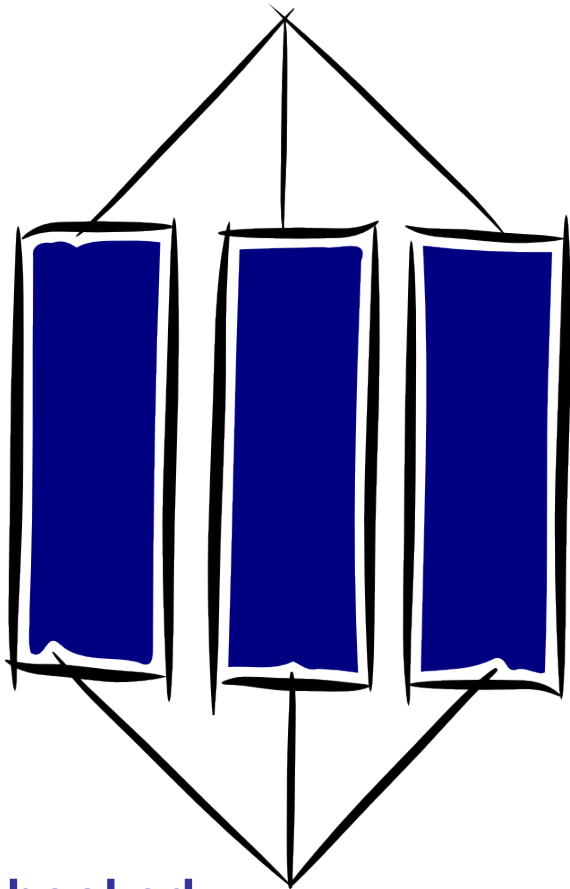


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## SOLO RELATIONAL:

Learning outcomes show full connections made, and synthesis of parts to the overall meaning



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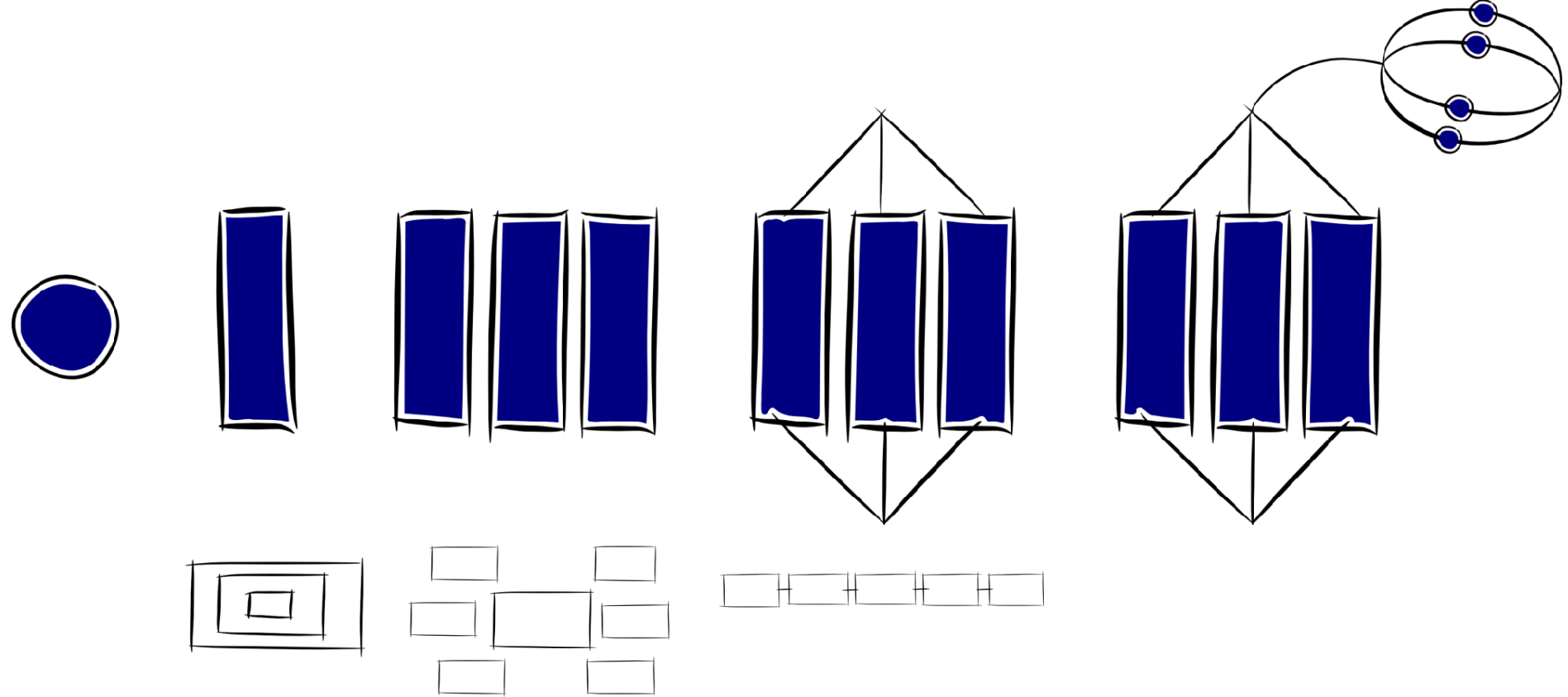
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*“I have several ideas about ...and can link these ideas to the whole.”*

# Linking ideas. HOT Map and Self Assessment Rubric

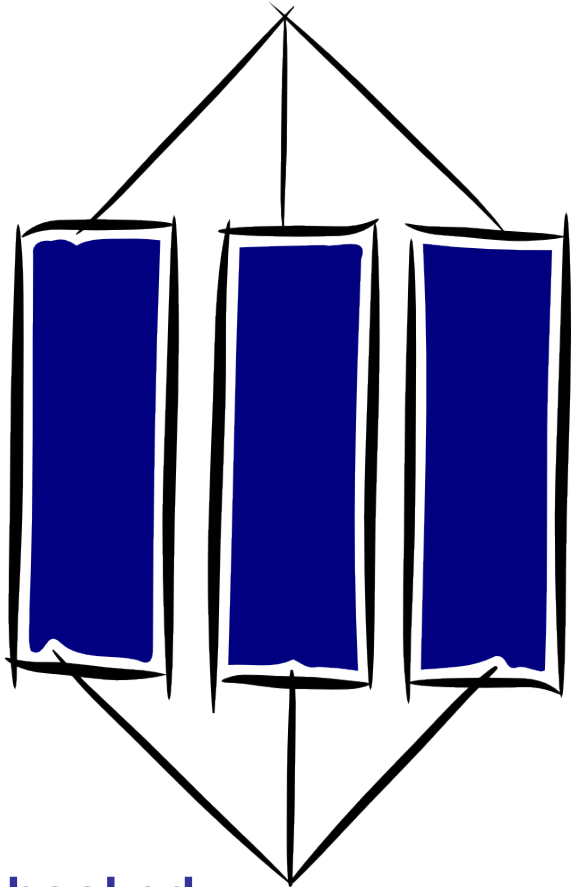



**HOT SEQUENCE Map & Self assessment rubric**



## SOLO RELATIONAL:

Learning outcomes show full connections made, and synthesis of parts to the overall meaning



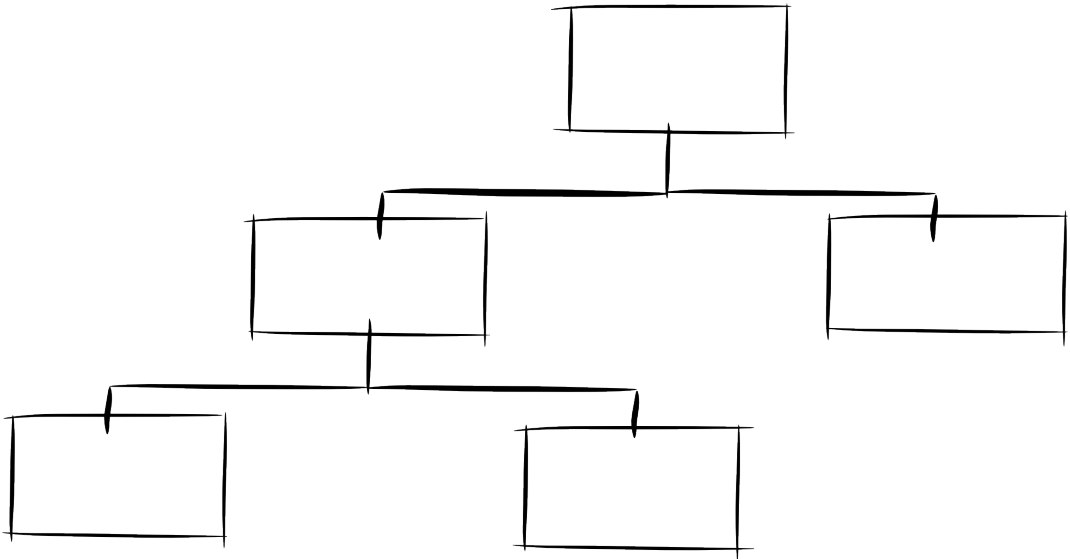
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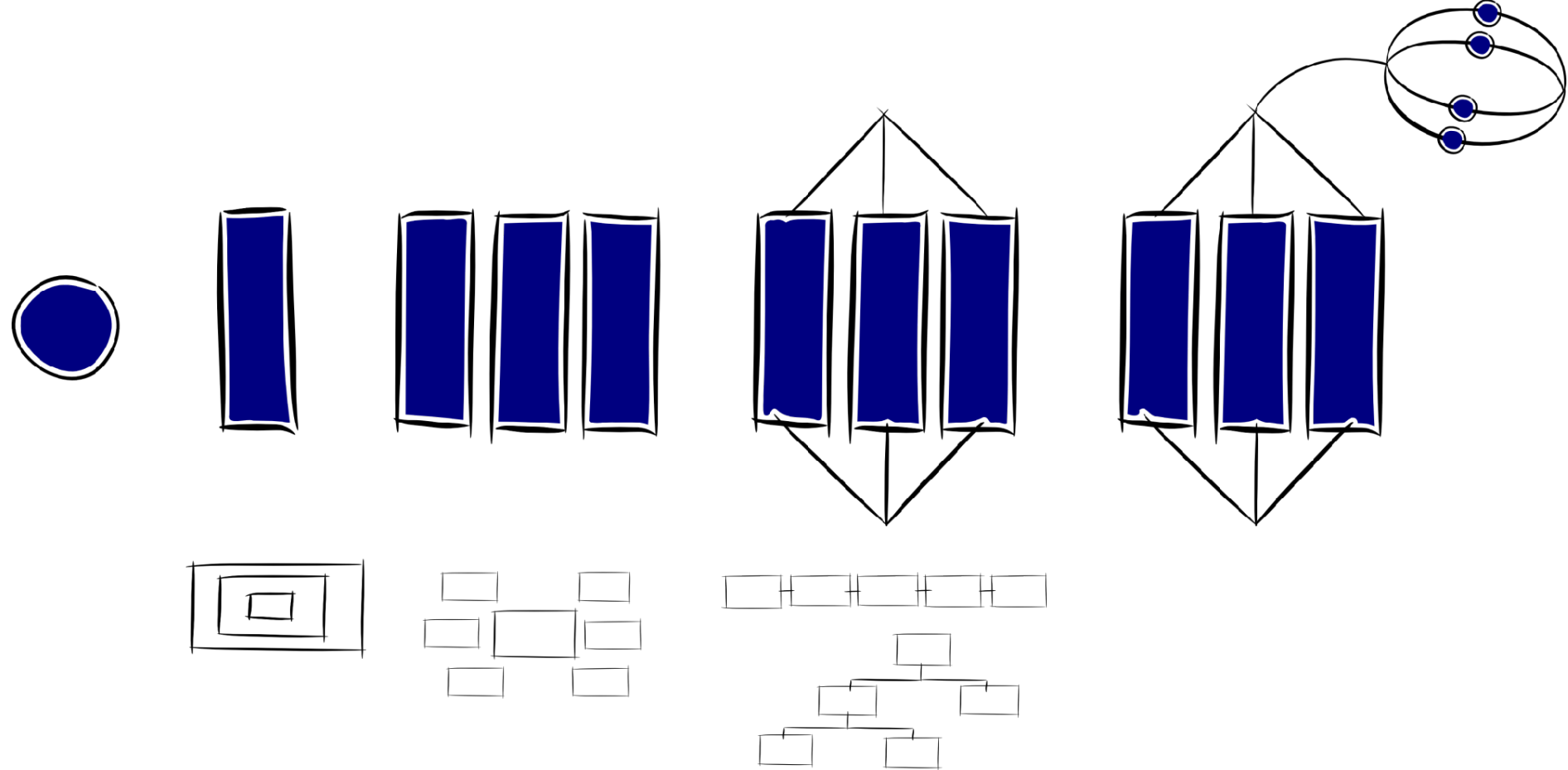
*“I have several ideas about ...and can link these ideas to the whole.”*



# Linking ideas. HOT Map and Self Assessment Rubric

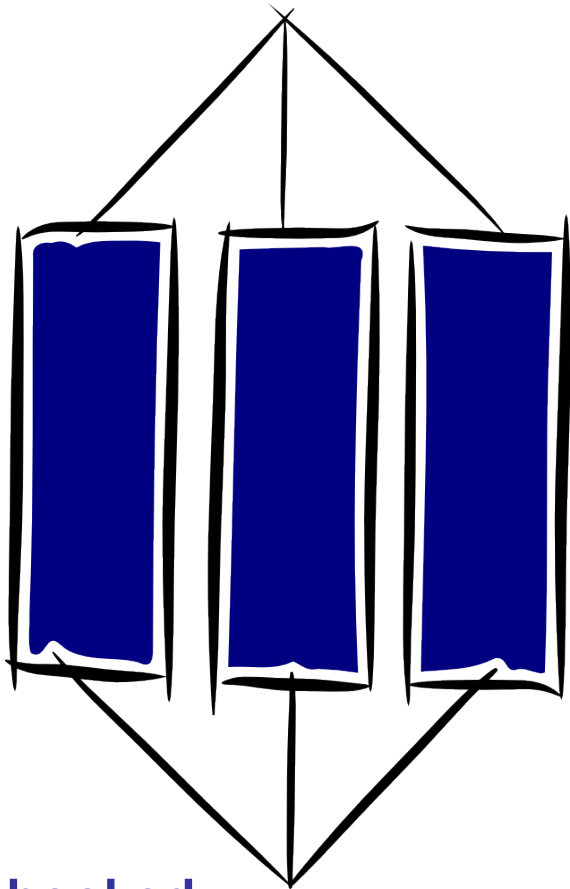



**HOT CLASSIFY Map & Self assessment rubric**



## SOLO RELATIONAL:

Learning outcomes show full connections made, and synthesis of parts to the overall meaning

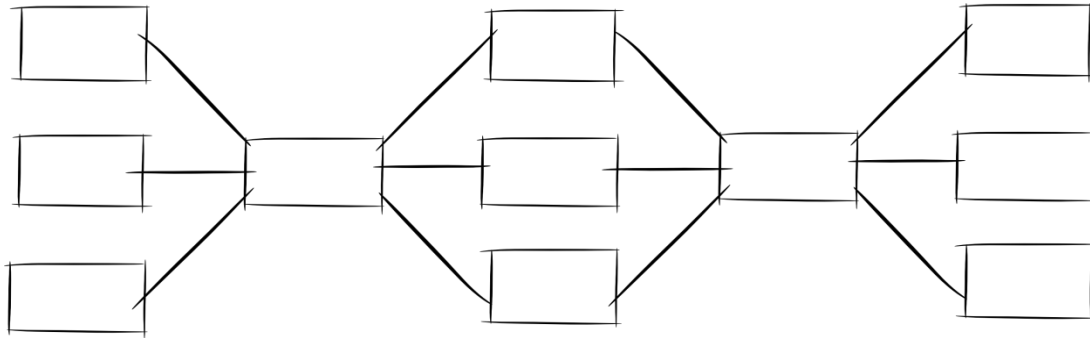


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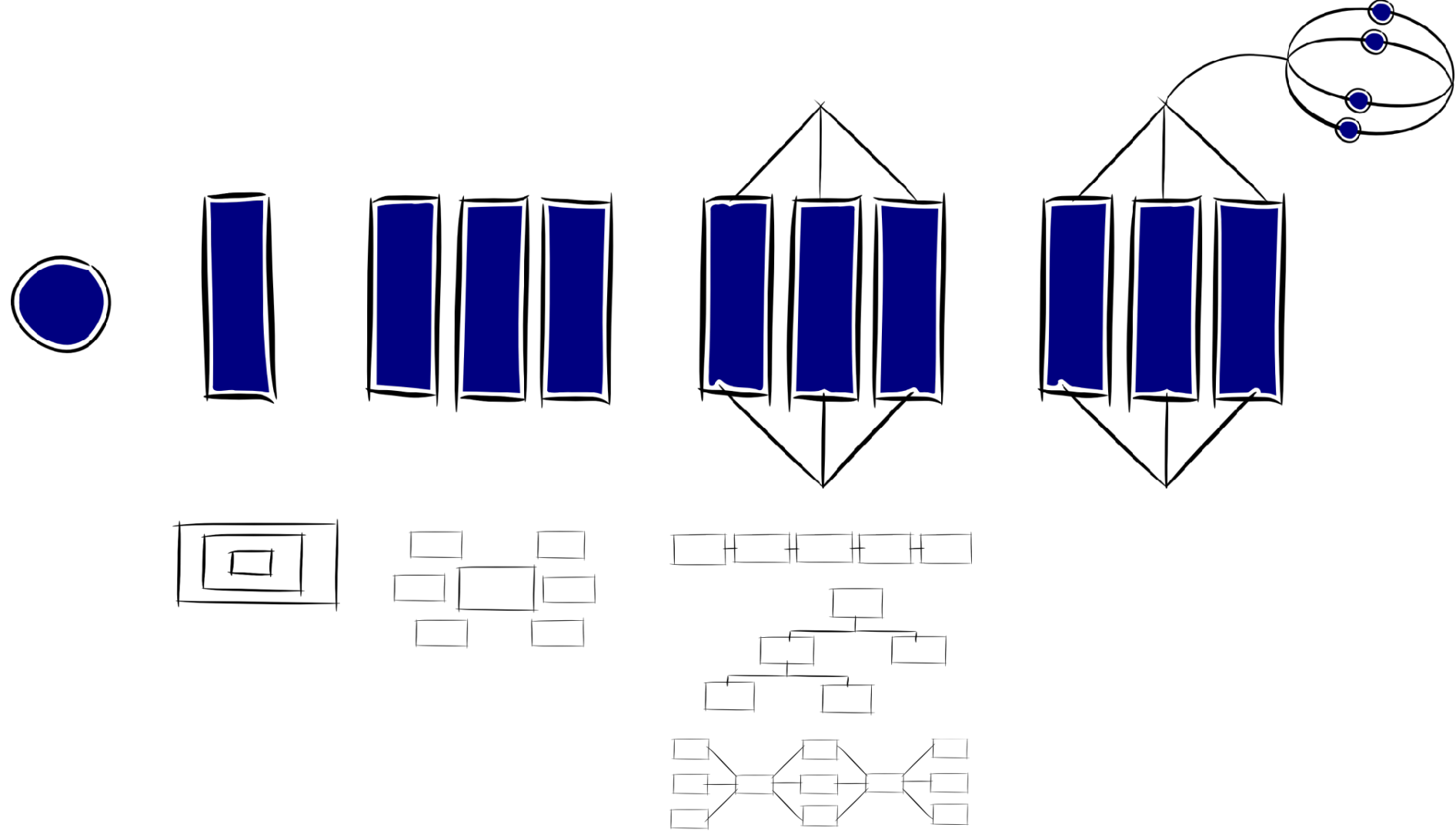
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*“I have several ideas about ...and can link these ideas to the whole.”*

# Linking ideas. HOT Map and Self Assessment Rubric

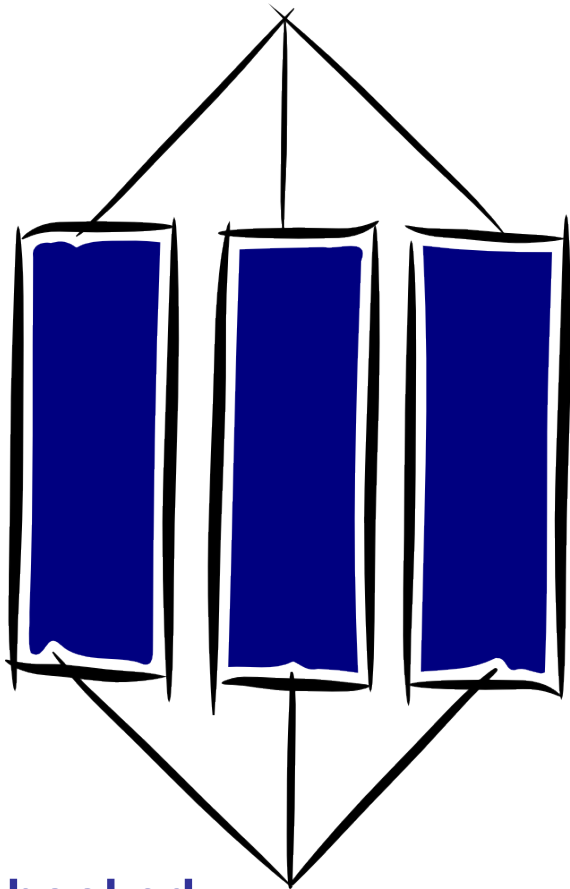



**HOT COMPARE CONTRAST Map & Self assessment rubric**



## SOLO RELATIONAL:

Learning outcomes show full connections made, and synthesis of parts to the overall meaning

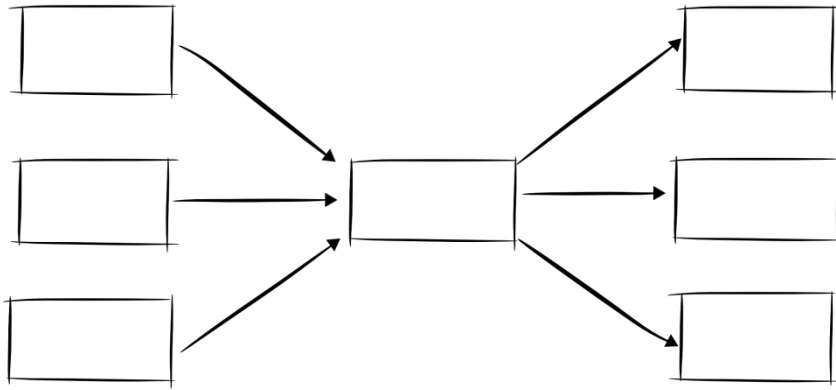


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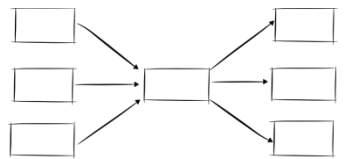
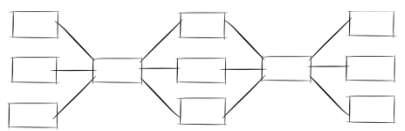
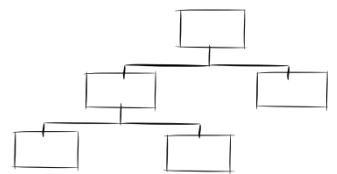
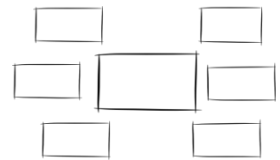
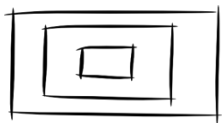
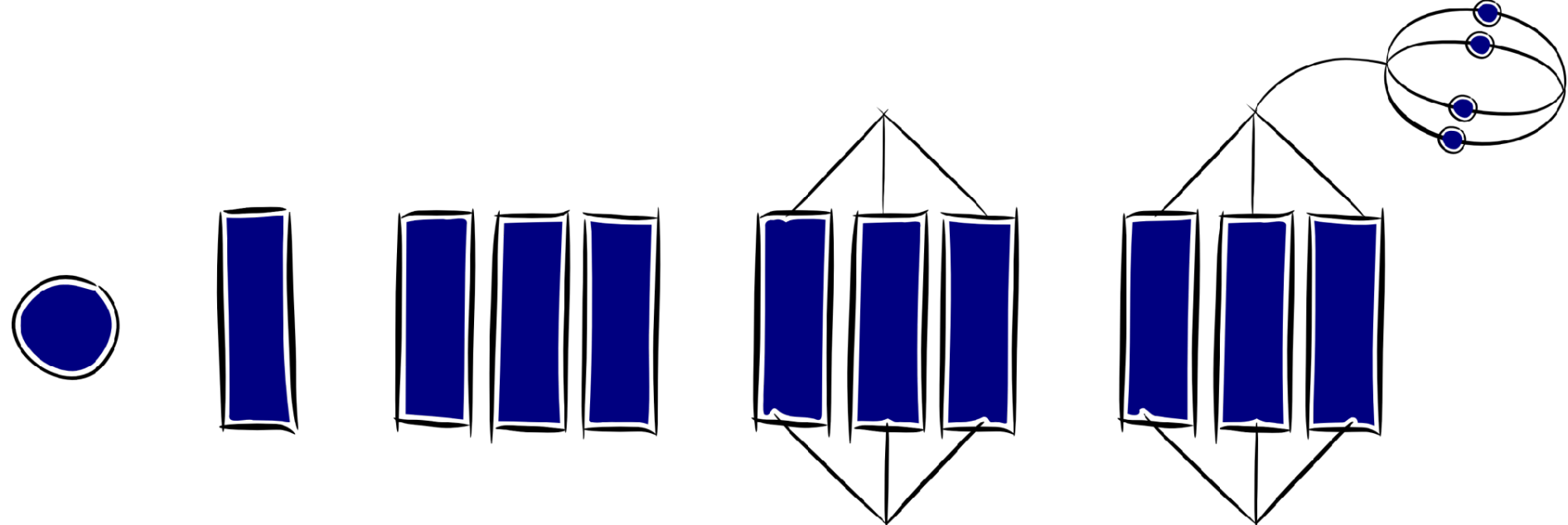
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*“I have several ideas about ...and can link these ideas to the whole.”*

# Linking ideas. HOT Map and Self Assessment Rubric




**HOT CAUSE EFFECT Map & Self assessment rubric**



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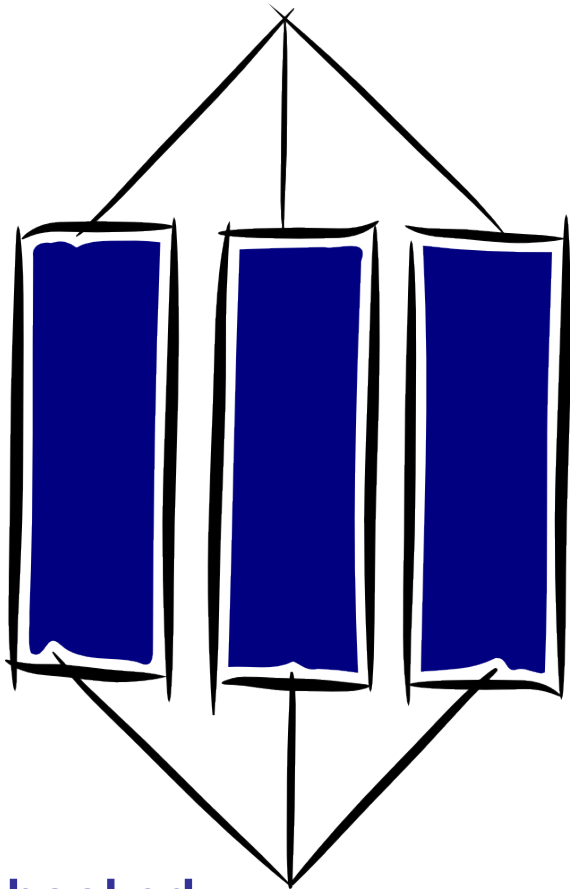
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# HOT Maps and SOLO Taxonomy



## SOLO RELATIONAL:

Learning outcomes show full connections made, and synthesis of parts to the overall meaning



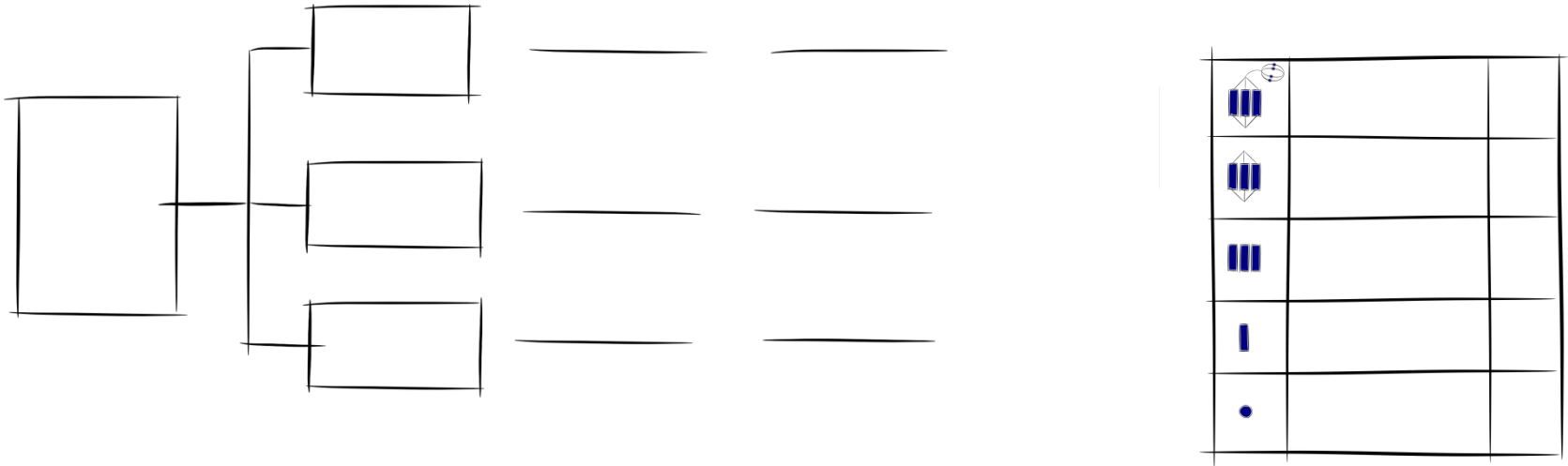
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*“I have several ideas about ...and can link these ideas to the whole.”*

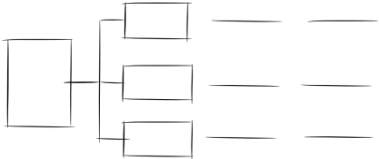
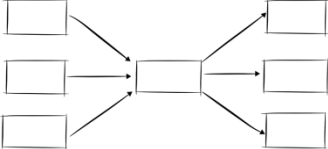
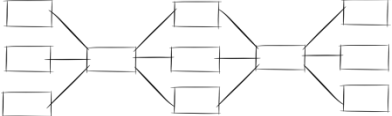
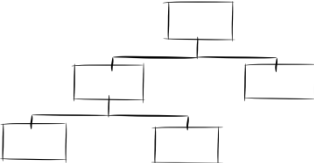
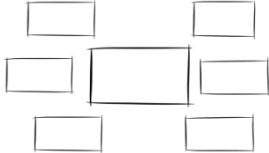
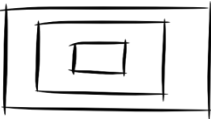
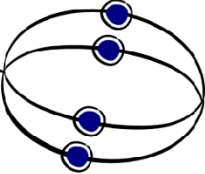
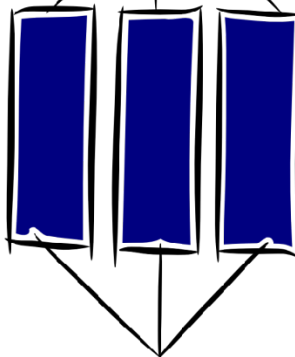
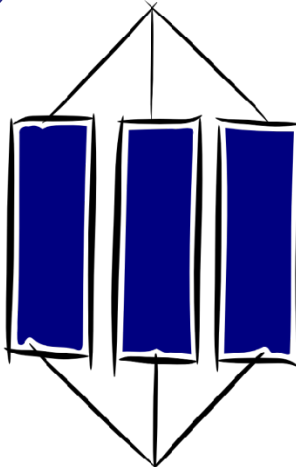
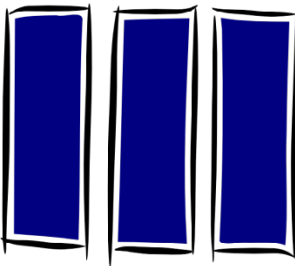
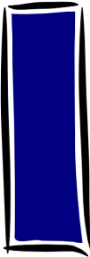
# Linking ideas.

## HOT Map and Self Assessment Rubric



**HOT ANALYSIS (Part whole) Map & Self assessment rubric**

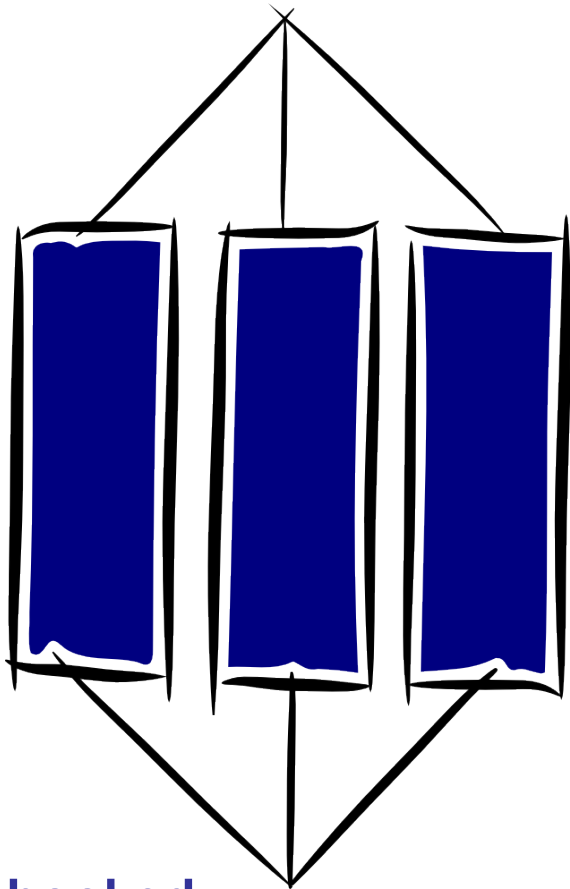
# HOT Maps and SOLO Taxonomy



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## SOLO RELATIONAL:

Learning outcomes show full connections made, and synthesis of parts to the overall meaning



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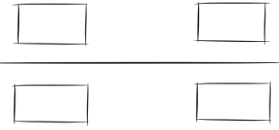
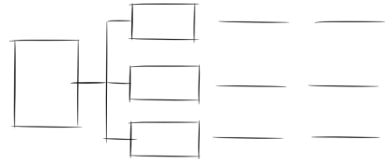
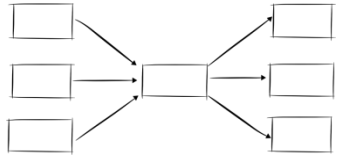
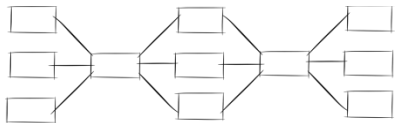
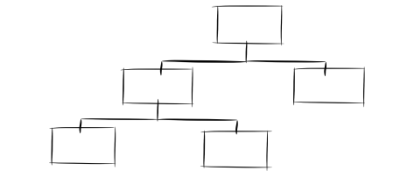
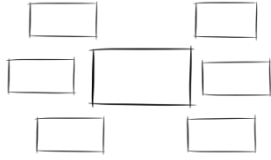
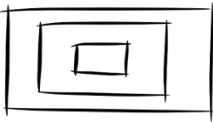
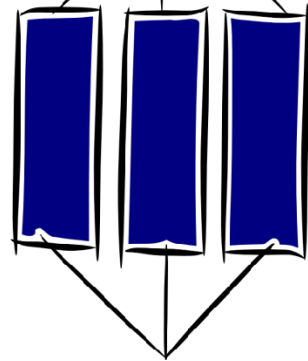
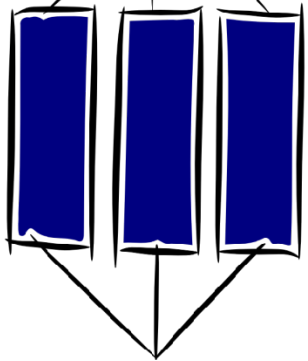
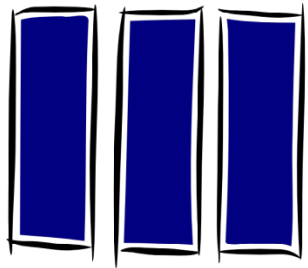
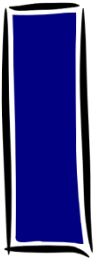
*“I have several ideas about ...and can link these ideas to the whole.”*

# HOT Map and Self Assessment Rubric

HOT ANALOGY Map & Self assessment rubric




# HOT Maps and SOLO Taxonomy

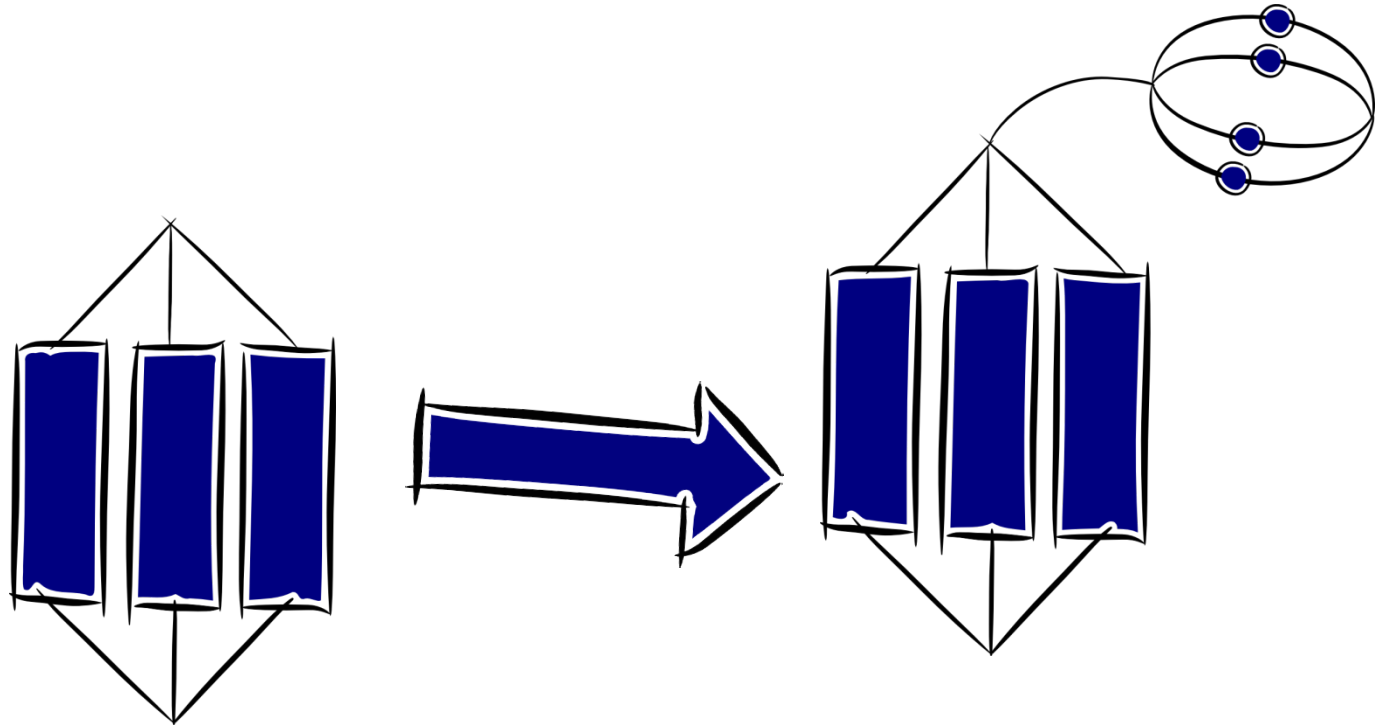


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# Where to next:

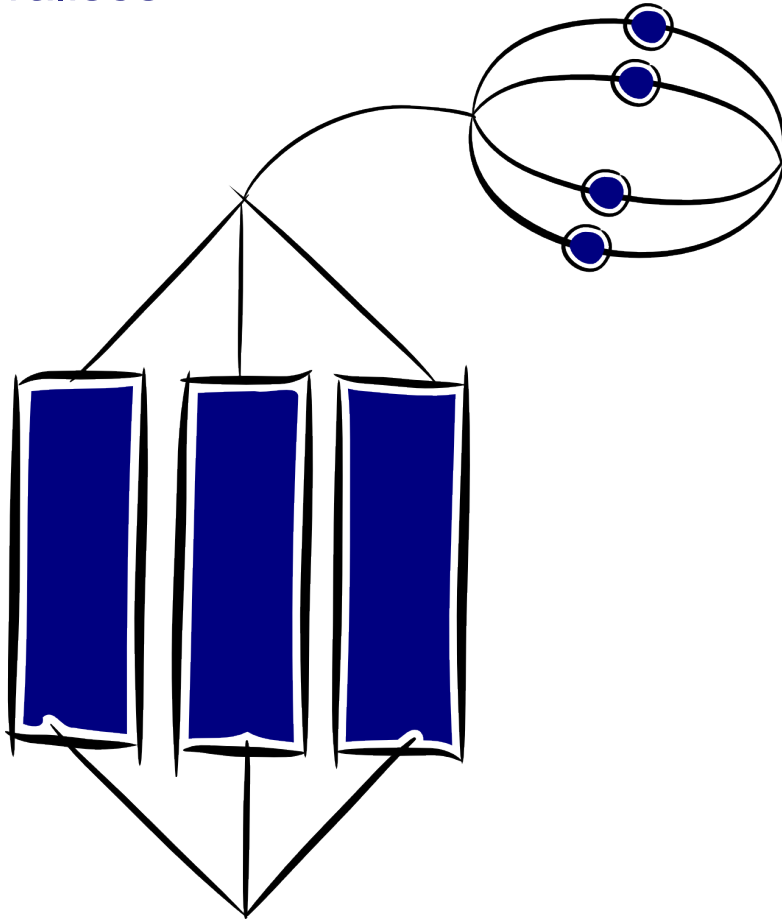
For students with **relational learning outcomes**.



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# SOLO EXTENDED ABSTRACT:

Learning outcomes go beyond subject and makes links to other concepts - generalises



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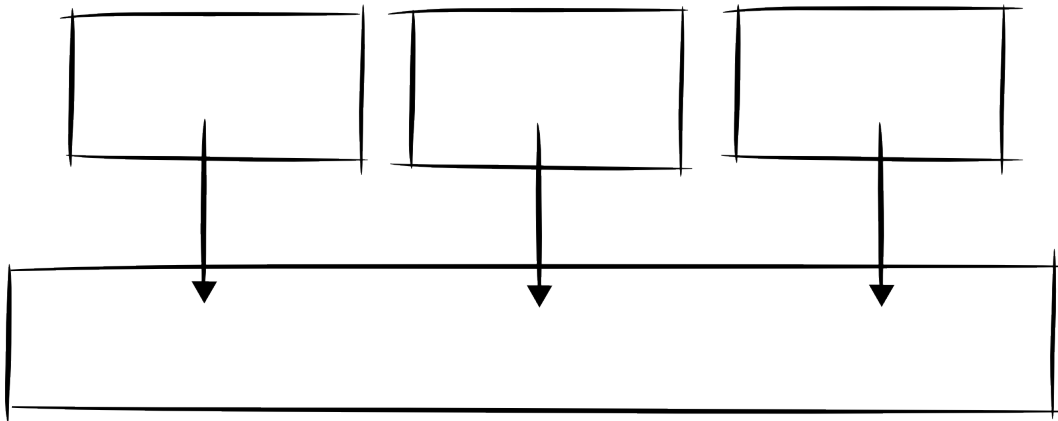
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*“I have several ideas about ... I can link these ideas to the whole .... and look at these linked ideas in a new way.”*



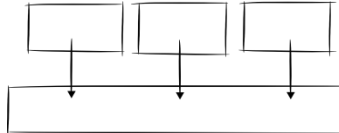
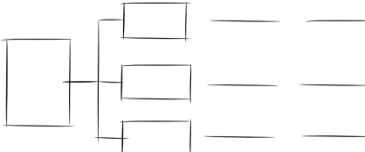
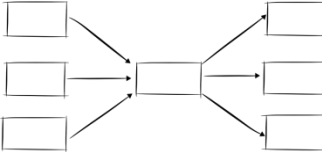
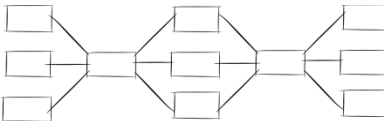
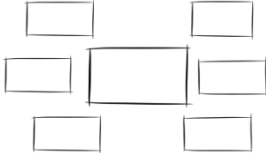
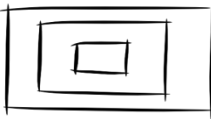
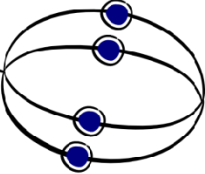
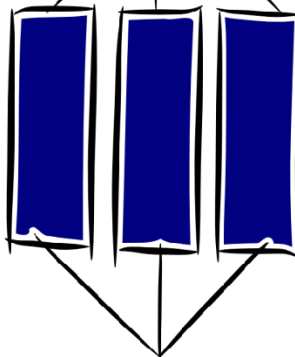
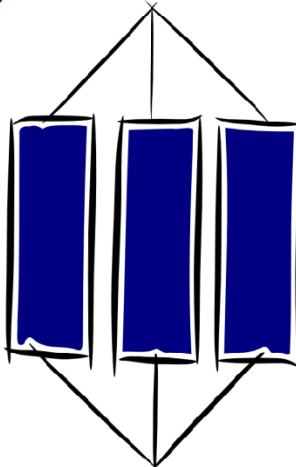
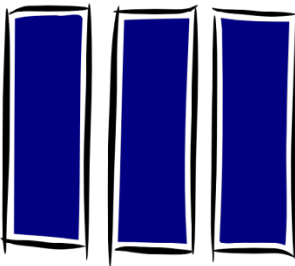
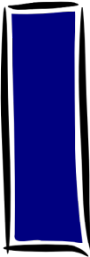
# Looking at linked ideas in a new way. HOT Map and Self Assessment Rubric

*“Overall ..... ”*



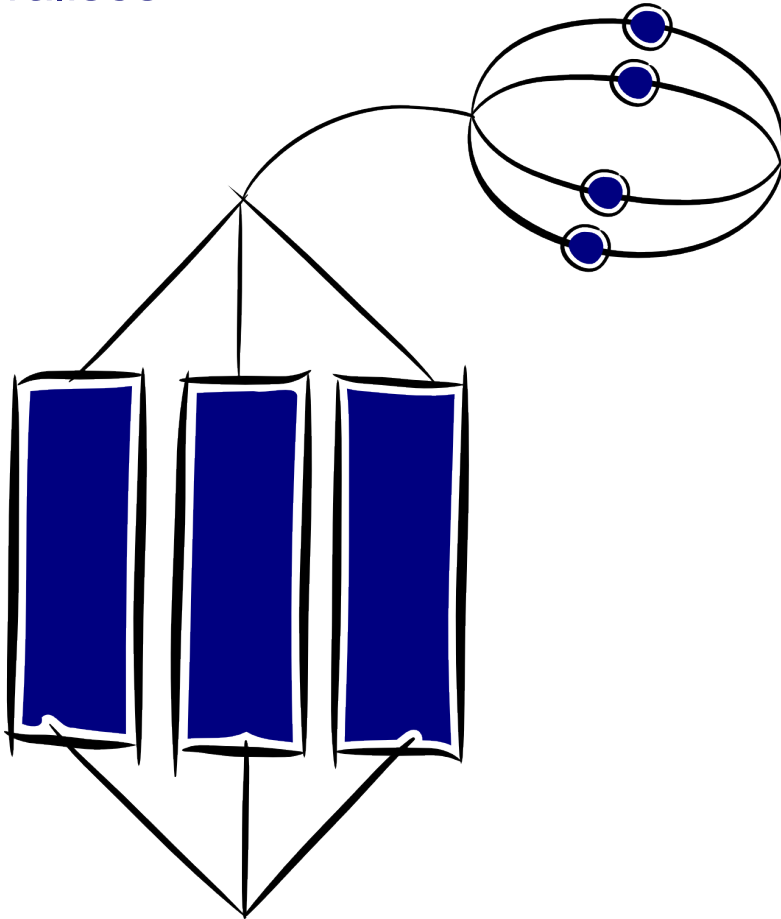

**HOT GENERALISATION Map & Self assessment rubric**

# HOT Maps and SOLO Taxonomy



# SOLO EXTENDED ABSTRACT:

Learning outcomes go beyond subject and makes links to other concepts - generalises



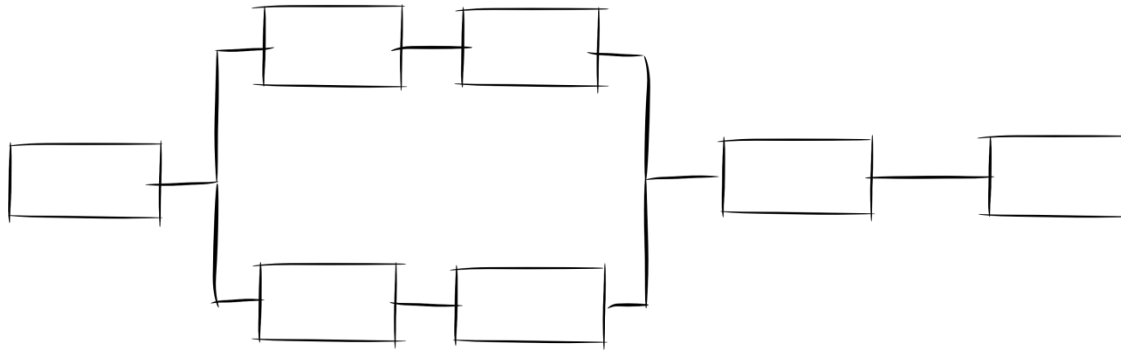
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*“I have several ideas about ... I can link these ideas to the whole .... and look at these linked ideas in a new way.”*

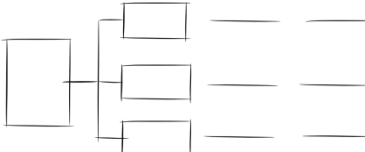
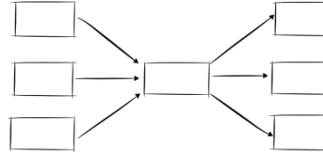
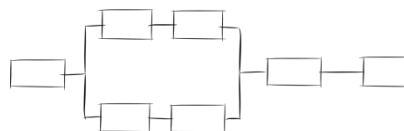
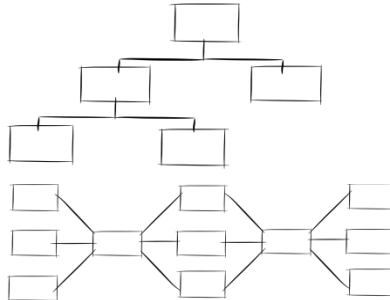
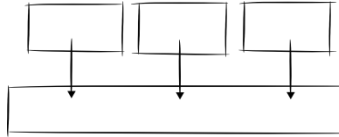
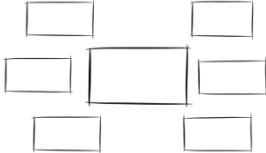
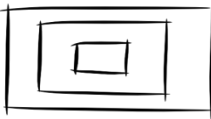
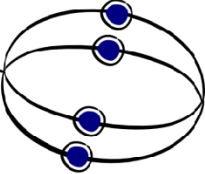
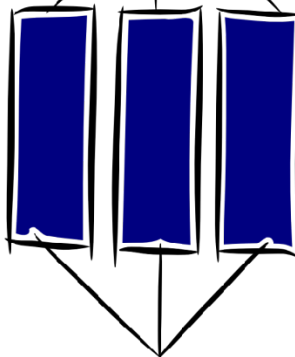
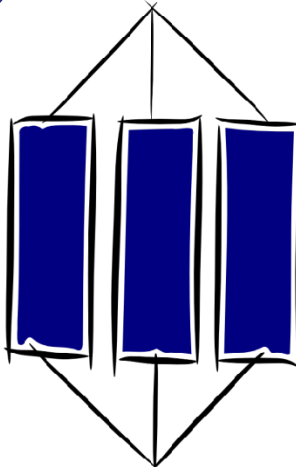
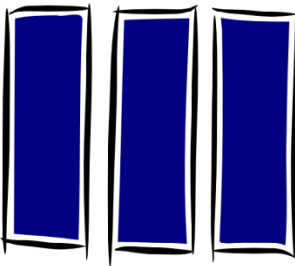
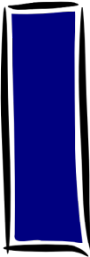
# Looking at linked ideas in a new way. HOT Map and Self Assessment Rubric

*“I predict that ...”*




**HOT PREDICTION Map & Self assessment rubric**

# HOT Maps and SOLO Taxonomy

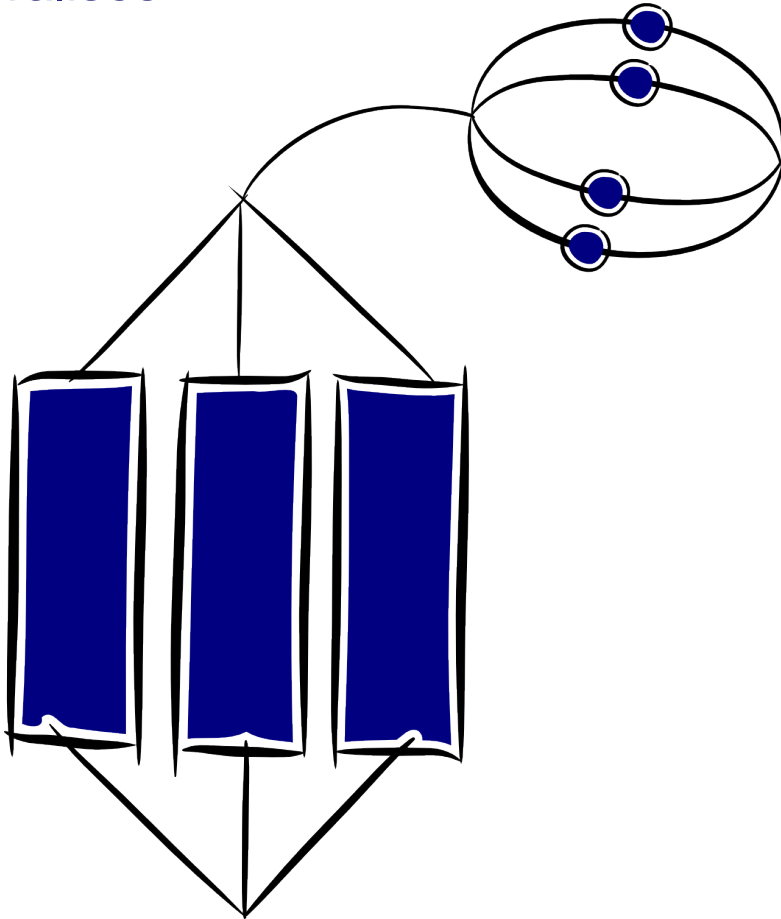


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# SOLO EXTENDED ABSTRACT:

Learning outcomes go beyond subject and makes links to other concepts - generalises



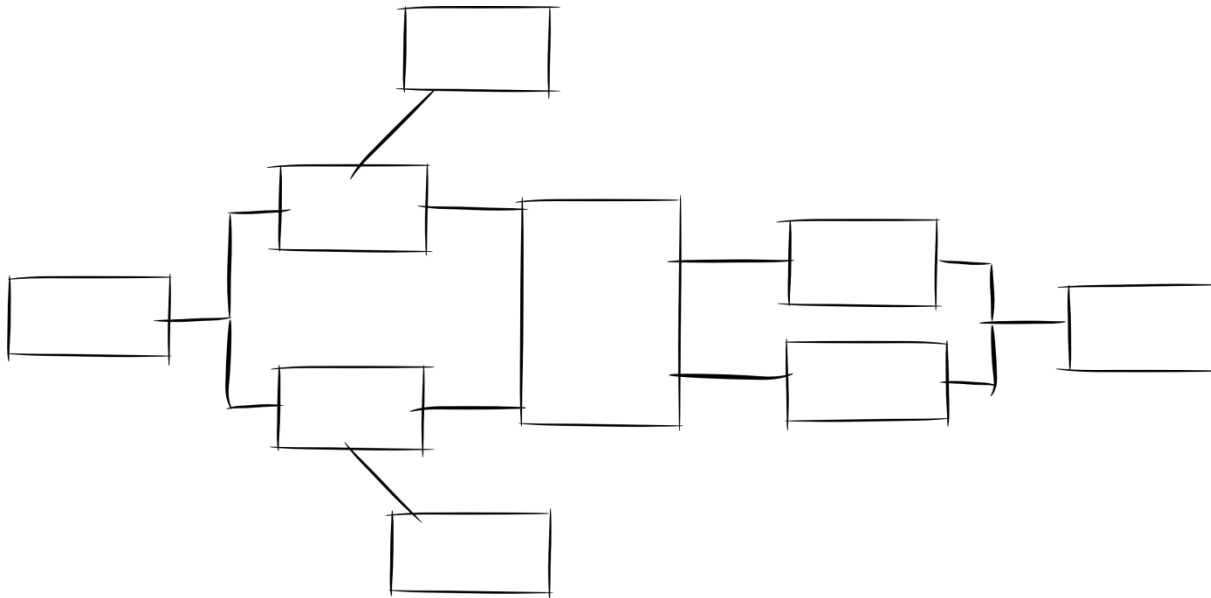
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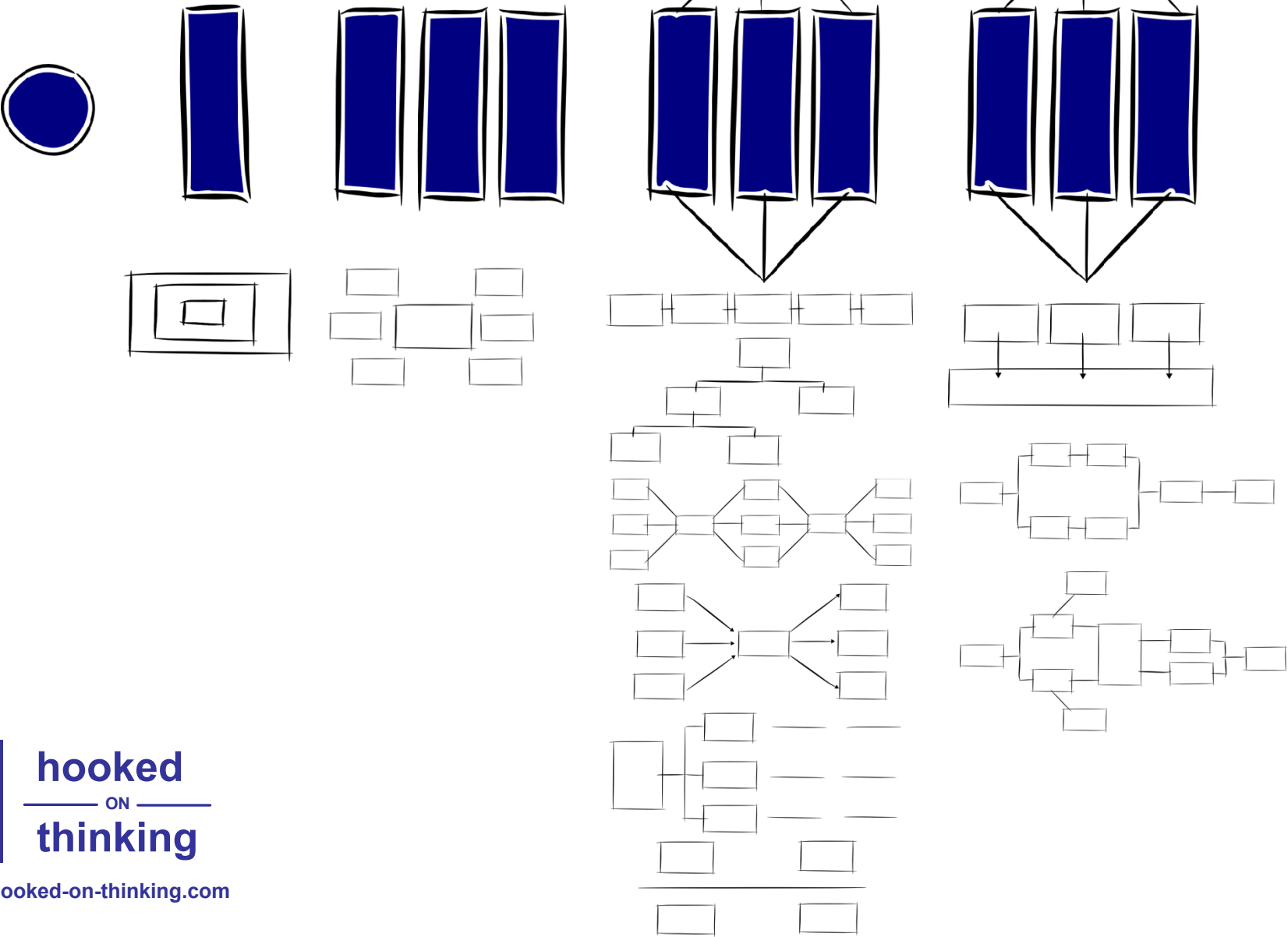
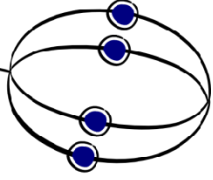
*“I have several ideas about ... I can link these ideas to the whole .... and look at these linked ideas in a new way.”*

# Looking at linked ideas in a new way. HOT Map and Self Assessment Rubric

*“The best solution is ...”*



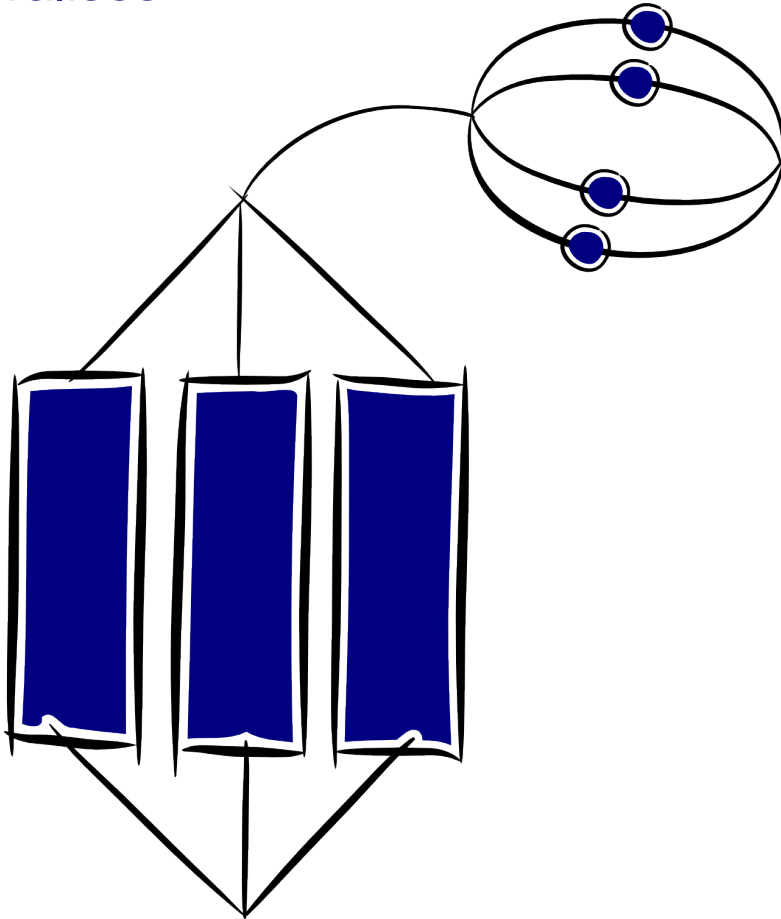

# HOT Maps and SOLO Taxonomy





# SOLO EXTENDED ABSTRACT:

Learning outcomes go beyond subject and makes links to other concepts - generalises



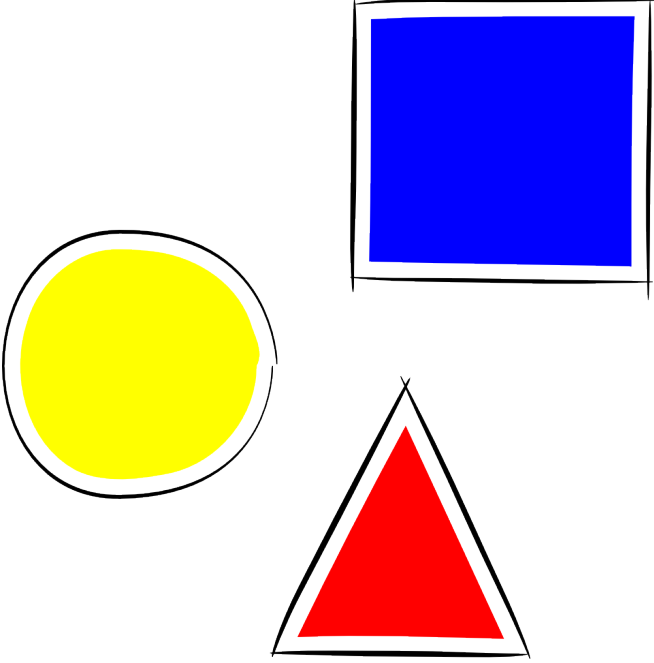
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*“I have several ideas about ... I can link these ideas to the whole .... and look at these linked ideas in a new way.”*

# Looking at linked ideas in a new way. HOT Map and Self Assessment Rubric

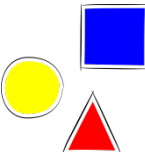
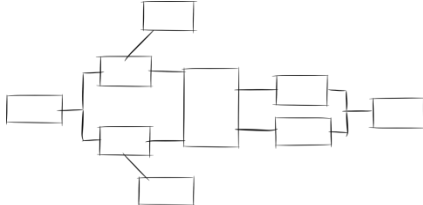
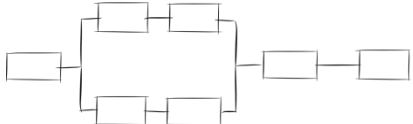
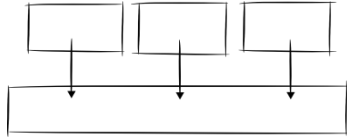
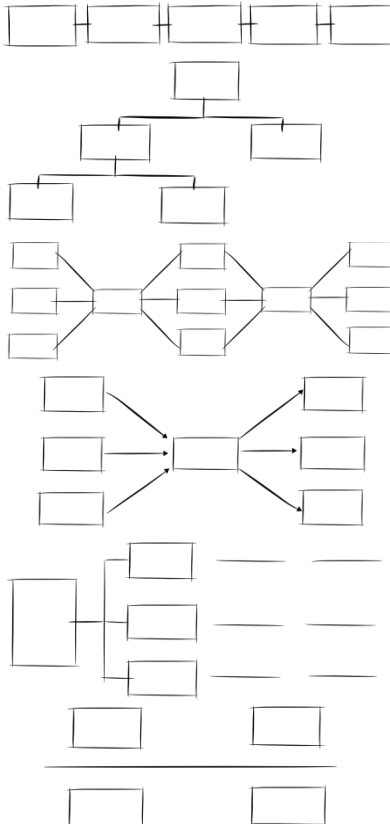
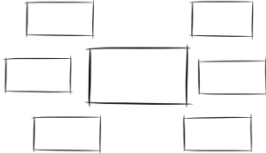
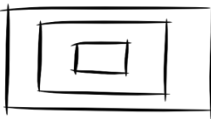
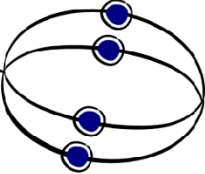
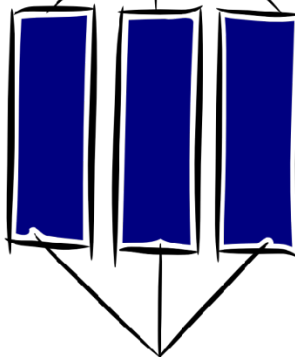
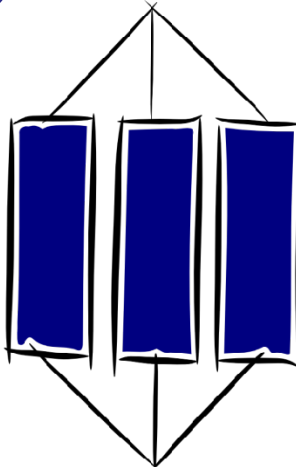
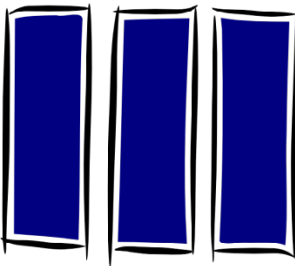
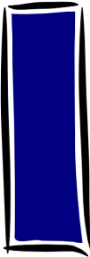
*“A new way ....”*



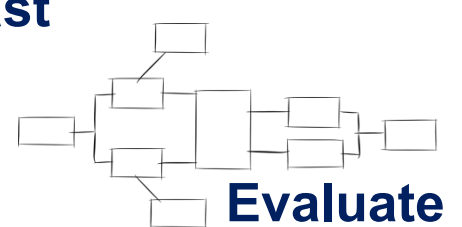
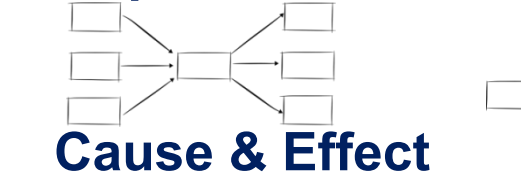
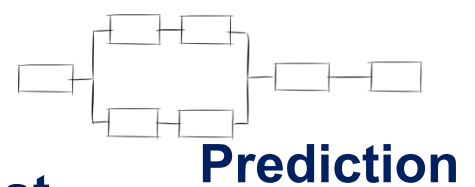
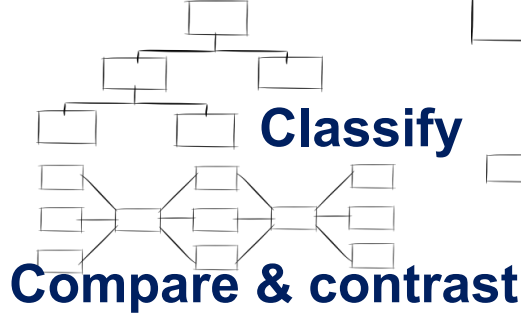
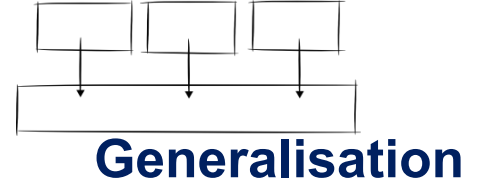
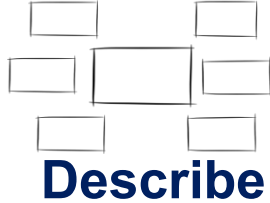
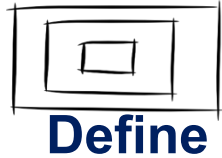
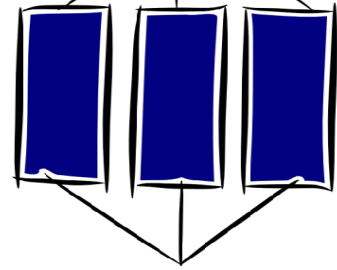
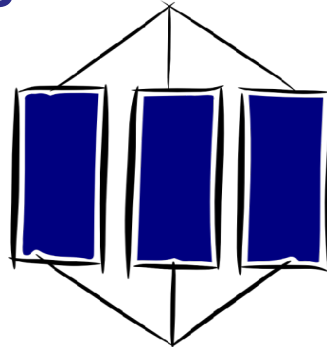
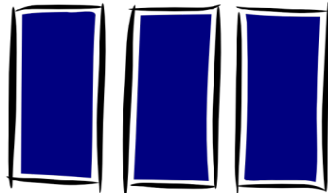
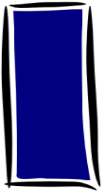
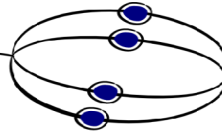



**HOT CREATE Map & Self assessment rubric**

# HOT Maps and SOLO Taxonomy



# SOLO Taxonomy and HOT Maps and Self assessment Rubrics





transforming learning outcomes

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