





Type of leading activity matters

• "Why...not encourage reading the materials beforehand?









? What is transferred? How would diSessa and other 'fine-grained constructivists' (to borrow Hammer et al's phrase) explain the results of this study? Can the results be explained by activation of small cognitive resources (such as p-prims)?

The How of Transfer: Concrete vs Abstract Surprising, students are more likely to transfer if

examples are abstract. Would have thought otherwise. The paper keeps mentioning that surface features get in the way of transfer. I can think of some reasons, but I would like some explanation based on research, if it's out there.

The paper claims, research claims that students are more likely to transfer if instructional examples are abstract and relatively free of surface details. This seems to contradict our earlier claim that putting science in a real world context enhances student learning.

Let's look at the activities

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Go through the two activities

- I) What would common student responses be?
- II) Compare the differences KEY THEMES:
 - Invention
 - What is being "PREPARED"
 - Concrete vs. Abstract
 - Who is doing what (agency)

Acquisition vs. Participation Table 1 The Metaphorical Mapping Particip tion metaphor Individual enrichment munity building Community building Becoming a participant Peripheral participant, apprentice Expert participant, preserver of practi Aspect of practice/discourse/activity Acquisition of something Recipient (co umer), (re-)co ovider, facilitator, media Teachei Knowle erty, possession, com dividual, public) ing, pos ssing Knov Belonging, participating, communication