Strategies for Developing 21st Century Skills Through Visual Literacy

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Strategies for Developing 21st Century Skills

Visual Literacy

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“The role of visual perception in media literacy is paramount in understanding the shift from a linear perceptual process (literacy) to a holistic perceptual process (visuality) by which almost all information is now transmitted through the visual forms…” (Emphasis added) (Natharius, 2004, p. 238)

Key Ideas for Today

1. Working memory
2. Field Dependence/Independence
3. The Interactive White Board as an aid to visual literacy
4. Photo Story as A Tool for Improving Visual Literacy

Working memory

“Provides the temporary storage that underpins our capacity for complex thought” (Baddeley, 2006, p. 25).

Central Executive – Phonological Loop – Visuospatial Sketchpad

The allocation of cognitive resources within working memory can be improved with the incorporation of visual and verbal comprehension strategies. This enables the inferential linking of information and the formation of more elaborated and coherent mental models of story content leading to improved reading comprehension (Woolley, 2010, p.109).

Field Dependence/Independence

The effects of visual elements and cognitive styles on students’ learning in hypermedia environment styles play an important role in the development of hypermedia learning systems because they refer to the manner in which information is perceived and processed. Researchers revealed that students possessing different cognitive styles showed different learning preferences and required different navigational support in hypermedia systems. (Rutton, 2009, pp. 1007-1008)

- A field independent person tends to perceive surroundings analytically.
- A field dependent person tends to perceive surroundings globally.
The Interactive White Board and Visual Literacy

Three modalities of Interactive White Board learning:
- The first modality is visual learning
- Auditory learning is the second modality
- The third modality of learning is tactile

Photo Story
How to Create a Photo Story Video:
[http://www.youtube.com/watch?v=WdvmlBM-N3g&feature=related](http://www.youtube.com/watch?v=WdvmlBM-N3g&feature=related)

References