From Curiosity to Creation:
Learning in a Participatory Culture

Ruben R. Puenteleta, Ph.D.
**Substitution**
Tech acts as a direct tool substitute, with no functional change

**Augmentation**
Tech acts as a direct tool substitute, with functional improvement

**Modification**
Tech allows for significant task redesign

**Redefinition**
Tech allows for the creation of new tasks, previously inconceivable

Ruben R. Puentedura, *As We May Teach: Educational Technology, From Theory Into Practice* (2009)
Participatory Culture

• **Forms:**
  • Affiliations
  • Expressions
  • Collaborative Problem-solving
  • Circulations

• **New Literacies, Requiring New Skills:**

• **Associated Concerns:**
  • The Participation Gap
  • The Transparency Problem
  • The Ethics Challenge

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<table>
<thead>
<tr>
<th>Social</th>
<th>Mobility</th>
<th>Visualization</th>
<th>Storytelling</th>
<th>Gaming</th>
</tr>
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<td>200,000 years</td>
<td>70,000 years</td>
<td>40,000 years</td>
<td>17,000 years</td>
<td>8,000 years</td>
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</tbody>
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Scholarly Primitives

Discovering
- searching, browsing, accessing, collecting

Annotating
- categorizing, providing commentary, analyzing
- find differences, similarities and create meaning from them

Comparing
- linking, referencing

Sampling
- selecting according to a criterion, showing relationships of items selected to the original set

Representing
- changing depiction mode, publishing

Illustrating
- showing an example, highlighting features within an example

Referring
- searching, browsing, accessing, collecting
Location
Position in space

Condition
Mix of natural & artificial features that give meaning to a location

Links
Connections between places

Formal Region
Group of places with similar conditions

Functional Region
Group of places linked together by a flow
Place / Space

Place / Identity (Crosswell)

Home / Origins (Birch)

Artic Rooted / Nomadic (Kwon)

Theatrical Space
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