(Re)Architecting the Classroom: A Leadership Perspective

Ruben R. PuenteDura, Ph.D.
Augmenting Human Intellect & Learning Capacity

21st Century Learning

One-to-One Technologies
**Redefinition**
Tech allows for the creation of new tasks, previously inconceivable.

**Modification**
Tech allows for significant task redesign.

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

**Substitution**
Tech acts as a direct tool substitute, with no functional change.

Podcasts on iTunes U: http://tinyurl.com/aswemayteach
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**Enhancement**

**Transformation**
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<thead>
<tr>
<th>Social</th>
<th>Mobility</th>
<th>Visualization</th>
<th>Storytelling</th>
<th>Gaming</th>
</tr>
</thead>
<tbody>
<tr>
<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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<th><strong>Radars</strong></th>
<th>Tools for finding and keeping up with new information</th>
</tr>
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<tbody>
<tr>
<td><strong>Filters</strong></td>
<td>Tools for accepting/rejecting information, determining relevance, quality</td>
</tr>
<tr>
<td><strong>Dashboards</strong></td>
<td>Externalize visually your attentional priorities; help you find, direct, manage information</td>
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### Muller’s Community Types

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<tr>
<th>Community Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communities of Practice</td>
<td>Linked by a common interest or practice, share information and/or network</td>
</tr>
<tr>
<td>Teams</td>
<td>Work on a shared goal for a particular project or function</td>
</tr>
<tr>
<td>Technical Support Groups</td>
<td>Provide technical support for a particular software or hardware tool</td>
</tr>
<tr>
<td>IdeaLabs</td>
<td>Brainstorm around a set of questions/issues for a limited time (1-3 days)</td>
</tr>
<tr>
<td>Recreation</td>
<td>Focus on recreational activities unrelated to work</td>
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</table>

### Unsworth’s Scholarly Primitives

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<th>Description</th>
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<tbody>
<tr>
<td>Discovering</td>
<td>searching, browsing, accessing, collecting</td>
</tr>
<tr>
<td>Annotating</td>
<td>categorizing, providing commentary, analyzing</td>
</tr>
<tr>
<td>Comparing</td>
<td>find differences, similarities, create meaning from them</td>
</tr>
<tr>
<td>Referring</td>
<td>linking, referencing</td>
</tr>
<tr>
<td>Sampling</td>
<td>showing relationships of parts selected to the whole</td>
</tr>
<tr>
<td>Illustrating</td>
<td>showing an example, highlighting its features</td>
</tr>
<tr>
<td>Representing</td>
<td>changing depiction mode, publishing</td>
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