A possible taxonomy of elements of technology in learning

Xavier Prat-Resina

Center for Learning Innovation

February 26th 2015

https://sites.google.com/a/r.umn.edu/prat-resina/research/research-topics

UNIVERSITY OF MINNESOTA   *Rochester*

Computers and learning

Teacher

Transfer of information

Assessment and analysis

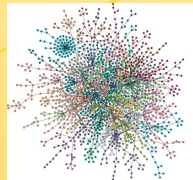iSEAL Intelligent System for Education, Assessment, and Learning

Before

After: LMS + Learning Analytics

Before

After: big data + interactive web

Communication among students

Before 🚫

After: web2.0

Student

Computers and learning

Teacher

Transfer of information

Flipped classroom: Videos with Camtasia

Assessment and analysis

BoSCO development Large Question banks

<u>**Interactive websites**</u>
- **Navigate unstructured data**
- **Manipulate 3D structures**

Communication among students

Moodle Forum

Student