

Enhancing Student Learning through Multimedia Technology within an LMS: Lesson learnt from eLearning Specialist.



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Outline

- Integrations/3rd Party
- Insert Stuff (Embed)
- Media Creation Tools
- Web Conferencing
- Lecture Capture
- Web Tools
- Putting All Together

Definitions

Instructional Media: Multimedia

- Verbal + Pictorial form (Mayer, 2014).
- **Rationale:** Promote meaningful learning

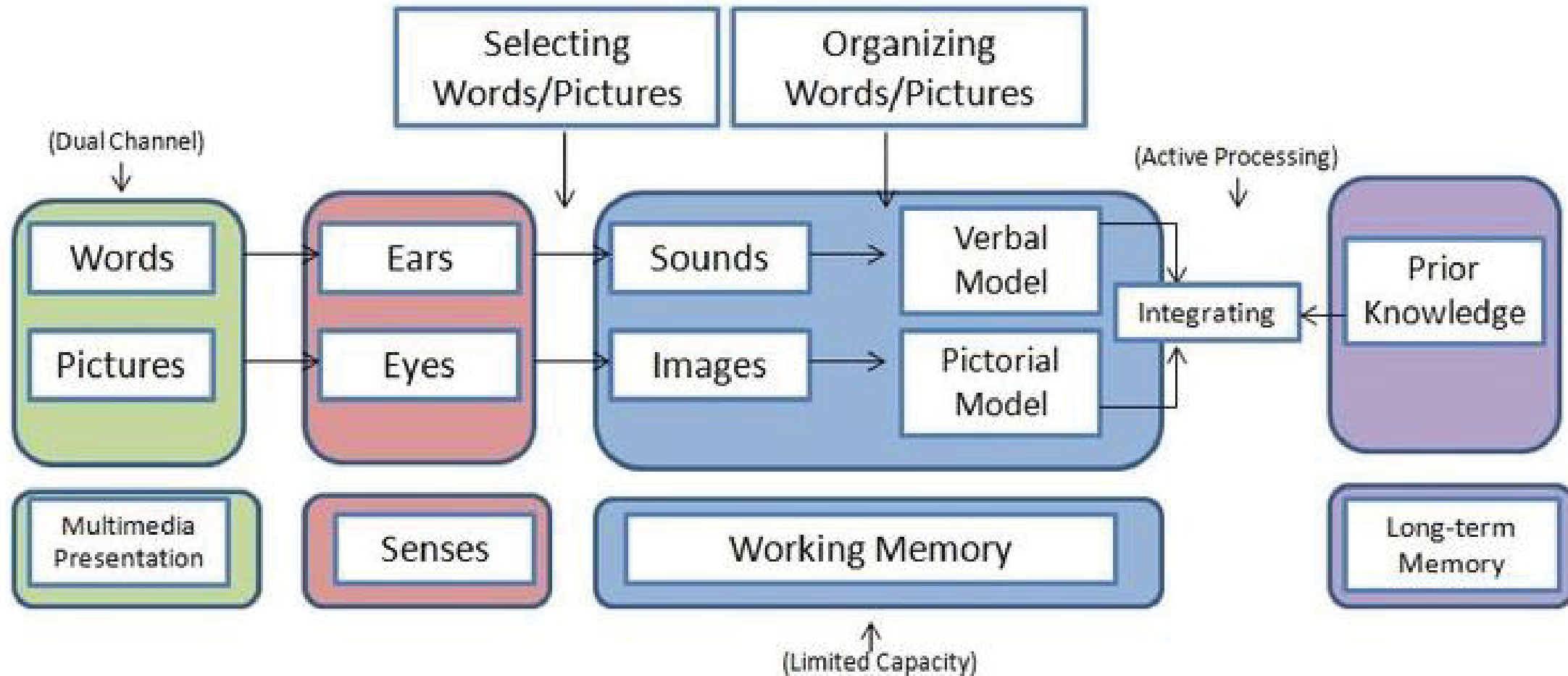
Instructional Technology:

- Theory and practice of design, development, utilization, management and evaluation processes and resources of learning (AECT).

Educational Technology:

- The study and ethical practice of facilitating learning and improving performance by creating, using, and managing appropriate technological processes and resources (AECT).

Cognitive Theory of Multimedia Learning















(Mayer & Moreno based their model, in part, on the The Dual-coding Theory by Allan Paivio).

D2L Integrations/3rd Party

Add Activity ✕

External Learning Tools ▲

-  Atomic Learning
-  Collaborate
-  Faculty Discover
-  Galileo Auto-login
-  Live Text
-  Macmillan Higher Education launch
-  McGraw-Hill Campus
-  My Surveys Widget Link
-  MyLab and Mastering launch
-  MyLab and Mastering Links launch
-  Student Discover
-  Studymate Class

[Create New LTI Link](#)

[Manage External Tools \(Opens in a new Tab\)](#) ▼

Embedding (Insert Stuff)



The screenshot shows a software interface for embedding content. At the top, a window titled 'Insert Stuff' is open. On the left side of this window, there is a list of options: 'My Computer', 'Course Offering Files', 'Shared Files', 'YouTube', 'Flickr', 'Insert Link', 'Enter Embed Code', and 'Films On Demand'. The 'My Computer' option is selected, and the main area of the window prompts the user to 'Select the file to upload from your computer:' with a 'Choose File' button and 'No file chosen' text. Below this, it asks to 'Choose a location in which to store the file:' with a 'Choose Destination' button. Below the 'Insert Stuff' window, a portion of the main interface is visible, including a text entry field 'Enter a Title', a 'Browse for a Template' button, and a rich text editor toolbar with icons for bold, italic, underline, and other text formatting. A red arrow points to a button labeled 'Insert Stuff' in the text area. To the right, a 'New' dropdown menu is open, showing options like 'Upload Files', 'Video or Audio', 'Create a File', 'Create a Link', 'Add from Manage Files', 'New Checklist', 'New Discussion', 'New Dropbox', 'New Quiz', and 'New Survey'.

Media Creation Tools



Camtasia Studio



Articulate
Storyline 2



Adobe Captivate



StudyMate
Author

Web Conferencing Tools



(Blackboard) Collaborate

Lecture Capture Tools

The logo for Tegrity, featuring a blue circular icon with a white lowercase 't' on the left, followed by the word 'egrity' in a blue, sans-serif font. The dot above the 'i' is a small red circle.

tegrity

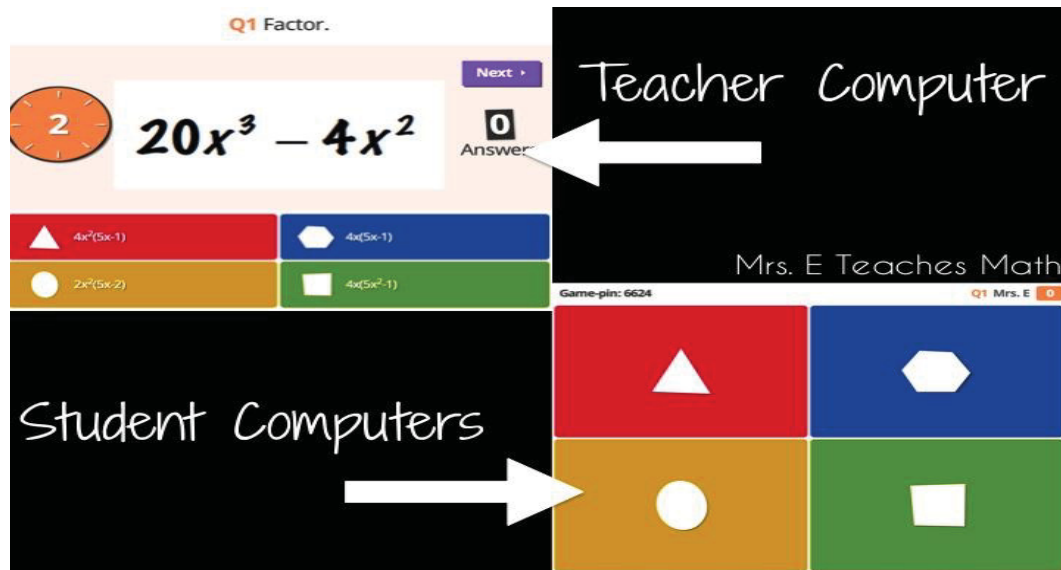
The logo for Kaltura, featuring a colorful sunburst icon above the word 'Kaltura' in a bold, blue, sans-serif font. The sunburst consists of a central blue circle surrounded by radiating lines in various colors including red, yellow, green, and blue.

Kaltura

Web Tools



Voki



Kahoot

How Much - Technology Integration Matrix

Entry	Adoption	Adaptation	Infusion	Transformation
<p><i>Technology Use:</i></p> <p>Drill and Practice</p> <p>Teacher Presentation</p>	<p><i>Technology Use:</i></p> <p>Teacher directed</p> <p>Conventional</p> <p>Procedural</p>	<p><i>Technology Use:</i></p> <p>Student exploration</p> <p>Some choice</p> <p>Conventional</p>	<p><i>Technology Use:</i></p> <p>Regular student choice</p> <p>Access to variety of tools</p> <p>Flexible use</p> <p>Teacher guides, informs, and contextualizes</p>	<p><i>Technology Use:</i></p> <p>Supports higher order thinking</p> <p>Extensive use</p> <p>Unconventional use</p> <p>Teacher as guide, mentor, model</p> <p>Activities that may not be possible without technology</p>

http://fcit.usf.edu/matrix/download/FCSC_2013_TIM.pdf

Jonassen, Howland, Moore, & Marra (2003)

Lesson Learnt

- Explore
- Search
- Consult
- Practice
- Reflect

Putting All Together

Services

- Captioning
- Interactive + Animations
- ID Consultations
- Demos
- Webinars
-Much more

Training

- Intro + Advance workshops
- 1-on-1 consultations
- Learning Cycles
- QM
- LMS (Upgrades, Grades, Rubric)
-much more

Q.



A.



Reference

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- **Basic**

- Faculty introduction and course tour
- Explainer/student tour /demo
- Lecture

- **Advance Camtasia**

- Camtasia Video With a Quiz
- Case Study

- **Multimedia**

- Topic introductions
- Topic
- Enhancing Online Courses with Multimedia