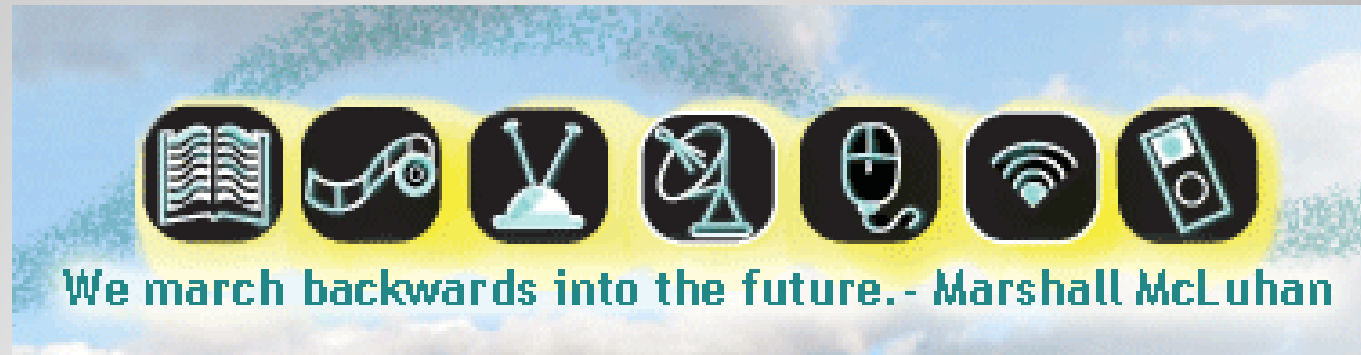




The Future of Online Learning

Jo Flick, MS Ed.
Continuing Education Coordinator & Trainer

- Consider how & why people learn
- Recount our storied past
- Share experiences & inspiration
- Map a way forward



Outcomes for this hour

Library Leadership Institute, MT State Library
2012

First day or last day?



MT State Library 2012

But, then there are those times....



- Chunks of information
- Patterns and assimilation
- Ego
- Relevance
- Previous experience
- Group activity
- Feedback
- Learner control



How People Learn

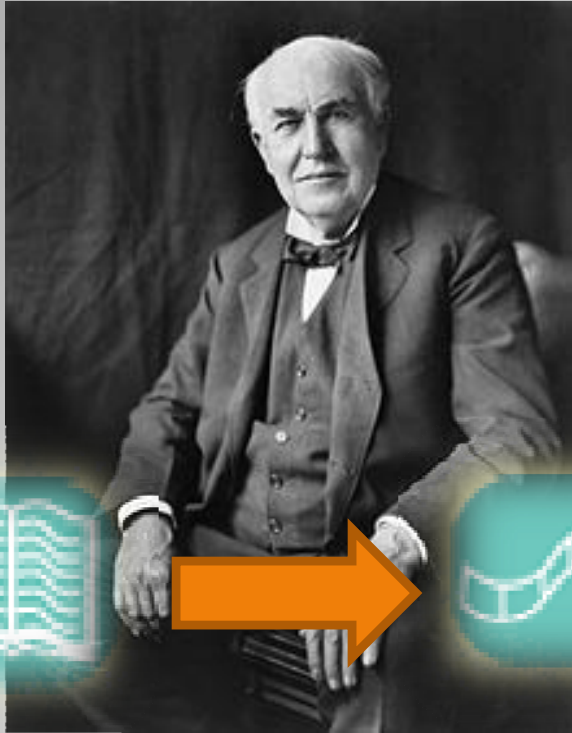
- What they are learning
- Location & time, length of instruction
- How they are learning



Learner Control

“(This technology is)
...destined to revolutionize our
educational system and that
in a few years it will supplant
largely, if not entirely, the use
of textbooks.”

Who said this? What technology?



“(The **motion picture** is) ...destined to revolutionize our educational system and that in a few years it will supplant largely, if not entirely, the use of textbooks.”

Thomas A. Edison



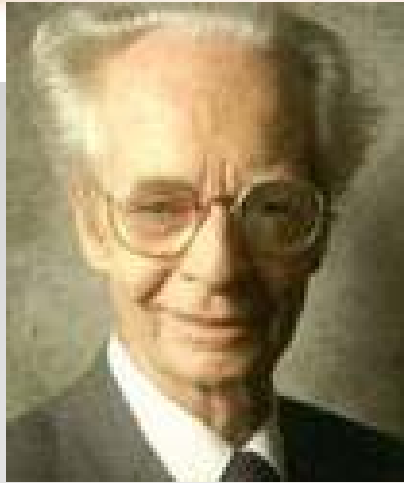
- UNIVAC
- B.F. Skinner
Behaviorism
- Programmed Instruction

Mid-century



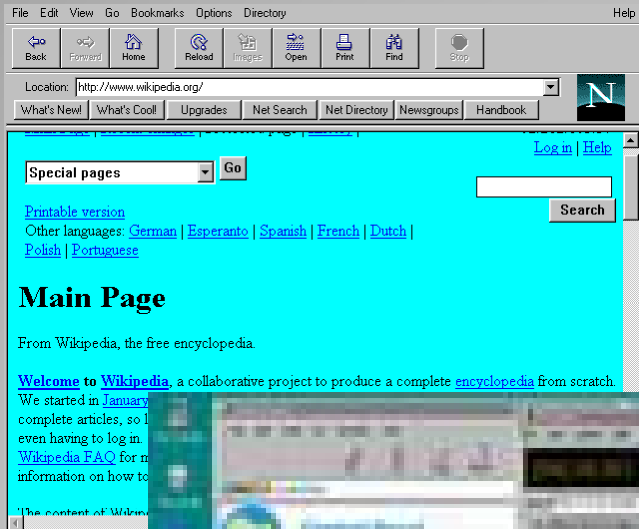
- VHS & VCR
- *Alto*
- Atari

The 1970s



- VHS & VCR
- *Alto*
- Atari
- BF Skinner
- *Cognitivism*

The 1970s



- WWW
- Microsoft Windows
- DVD
- *Constructivism*



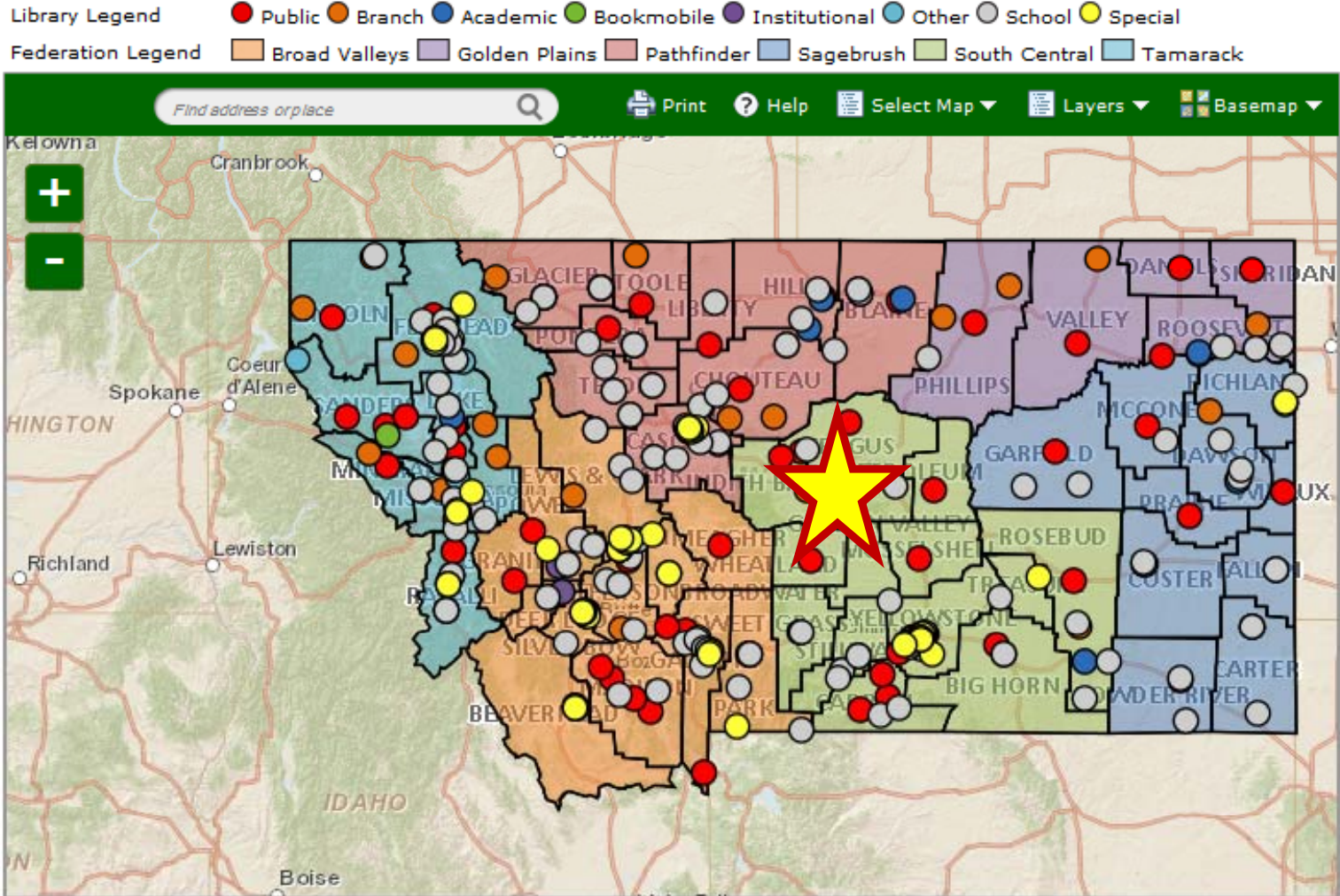
The 1990's

- *Context*
- *Construction*
- *Collaboration*



- Jonassen David H. & Land, Susan (1999). Theoretical Foundations of Learning Environments. Lawrence Erlbaum Associates

Constructivism



Map from: msl.mt.gov

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vimeo

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Montana State Library

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from MSL Trainer

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Montana State Library

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Cooperative Purchasing Program

Presenter: Donci Bardash, BTOP Project Director

February 2013

06:37



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Click on a project tab above to find learning resources related to statewide projects of the Montana State Library. To search for resources by Continuing Education category, select from the categories widget below. Or find the most popular topics in the tag cloud below, click on any topic and be immediately transported to a page with all the content related to that topic. To the right, you'll see a featured video training.

13:09

vimeo

MT Library Human Impact Videos from STOP on Vimeo

MSL training staff

- Head Trainer MSL Trainers
- Montana Memory Project Trainer Blog - Kacie Ball
- STOP Trainer Blog - Jennifer Stone
- CB Coordinator Blog - Jenn Hill
- Montana Shared Catalog Trainer Blog - Amy Harshbarger

certification

- Continuing Education & Certification
- CB Training Items

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 integrated search tools library leadership mobile devices Montana Memory Project
 Montana Shared Catalog MSL Learning Progression Paths Search Tools
 search tools shared resources statewide talking book library Trustees
 using eReading databases

Feedback Survey

Passionate survey!

Continuing Education Categories

View Category:

Learning Calendar

more library learning...

- MSL Learning Plan
- Talk Back 10 Minutes
- Info Bytes
- 2012 Montana State Library Education (2012)
- Environmental 2012 Montana State Library Education (2012)
- MT State Library Times Online

learning.montanastatelibrary.org



Photos: <http://www.missoulapubliclibrary.org>



WOW – Web on Wheels

1. Instructional Design
2. First Principles-*Merrill*
3. meLearning-*Hodgins*

Phases for Effective Instruction

INTEGRATION

ACTIVATION

PROBLEM

DEMONSTRATION

APPLICATION

Three ideas

M. David Merrill (2002) First Principles of Instruction.
<https://www.indiana.edu/~tedfrick/aect2002/firstprinciplesbymerrill.pdf>



Just the right **CONTENT**, to
Just the right **PERSON**, at
Just the right **TIME**, on
Just the right **DEVICE**, in
Just the right **CONTEXT**, in
Just the right **WAY**

– H. Wayne Hodgins

www.slideshare.net/WayneH/

- Hodgins, W. (2004). The next big thing is getting small (report on presentation at the October 2003 AECT Convention, Anaheim, CA). *Tech Trends*. Volume 48, Number 1.
- Hodgins, W. Snowflaked Mashups: Future of Learning Content
<http://www.slideshare.net/WayneH/>
- Jonassen David H. & Land, Susan (1999). Theoretical foundations of learning environments. Mahwah, NJ: Lawrence Erlbaum Associates.
- M. David Merrill (2002) First principles of instruction.
<https://www.indiana.edu/~tedfrick/aect2002/firstprinciplesbymerrill.pdf>
- National Research Council (2000). How People Learn; Brain, mind, experience and school. Washington, D.C.: National Academies Press.
- Wiley, David A., Ed. (2002). The instructional use of learning objects. Bloomington, IN: Agency for Instructional Technology and Association for Education Communications and Technology.

references



Mapping a Future for eLearning

Betha Gutsche,
WebJunction Programs Manager

WebJunction on the elearning curve

The screenshot displays a software interface for a network recording player. The main window title is "Network Recording Player - Self-Directed Achievement: if you give library staff an hour...". Below the title bar, there is a menu with "File", "View", "Info", and "Help". A status bar shows "Meeting Number: 715 043 668", "Date: Thursday, February 07, 2013", and "Time: 10:03 AM, Local Time (GMT -08:00)".

The main content area displays the following meeting information:

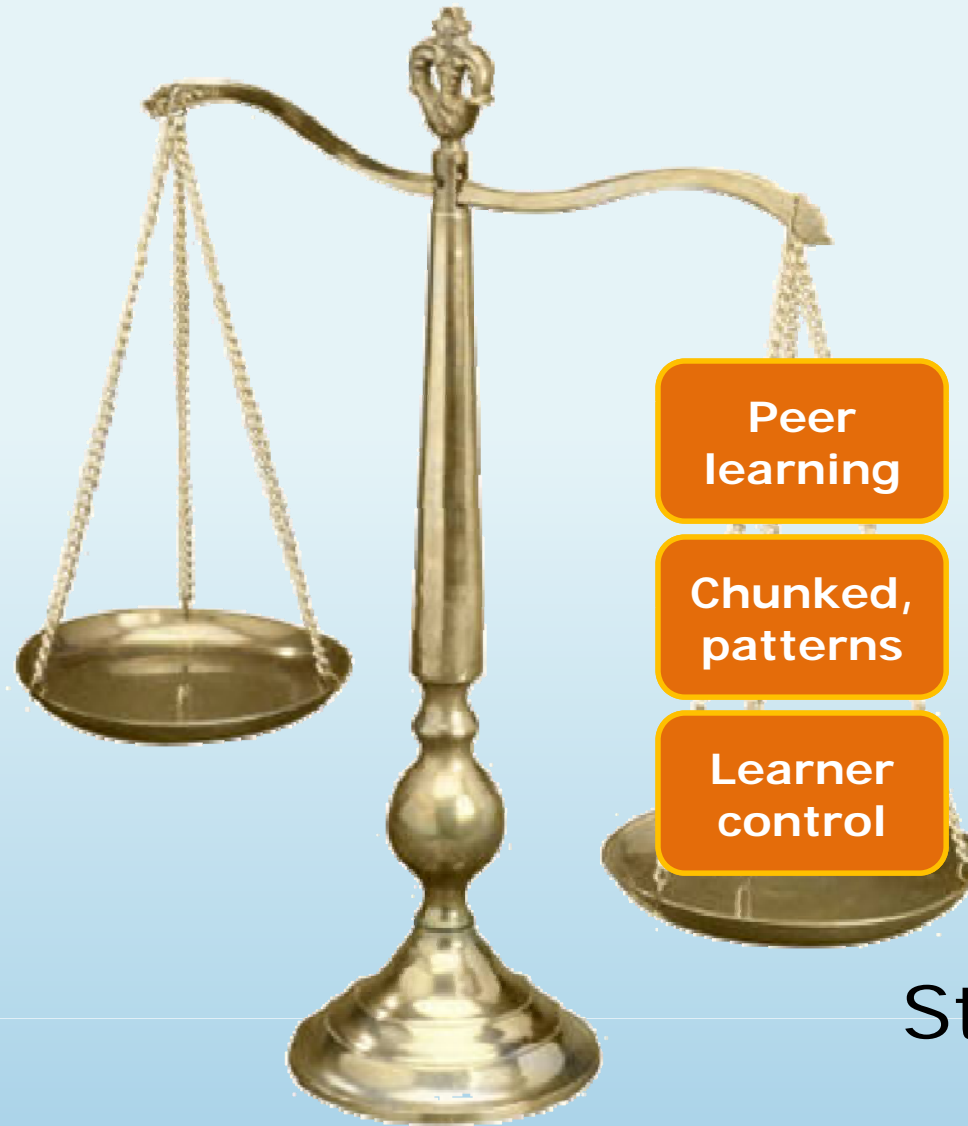
- Meeting Topic:** Self-Directed Achievement: if you give library staff an hour...
- Meeting Number:** 715 043 668
- Date:** Thursday, February 07, 2013
- Time:** 10:03 AM, Local Time (GMT -08:00)
- Host:** Jennifer Peterson

On the right side, there are two panels:

- Participants:** A table with columns "Name" and "Joining time / Leaving time". The table is currently empty.
- Chat:** A panel with a speech bubble icon and a close button, currently empty.

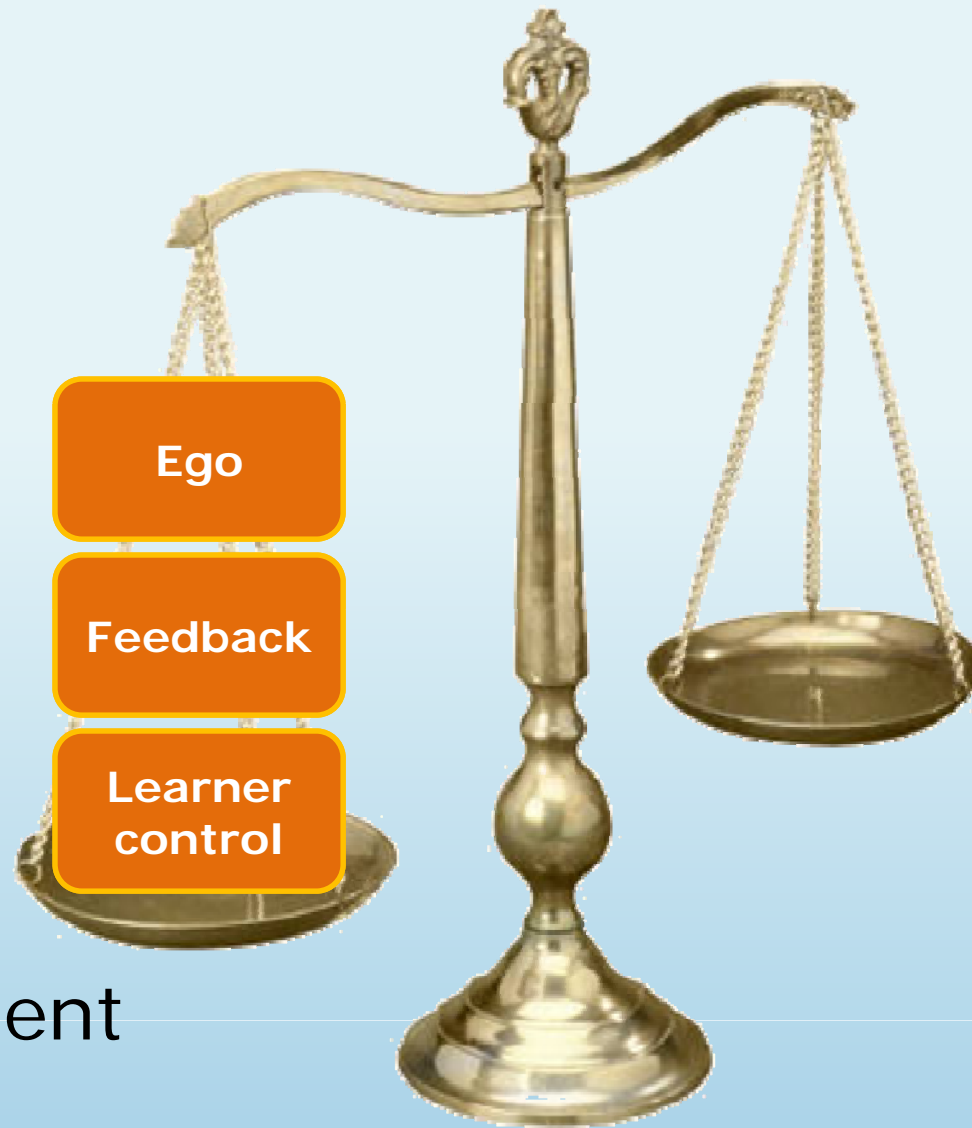
In the bottom-left corner of the main window, there is a cartoon illustration of a person thinking, with a thought bubble containing the text "Am I the only one here?".

eLearning in the balance



Strengths

eLearning in the balance

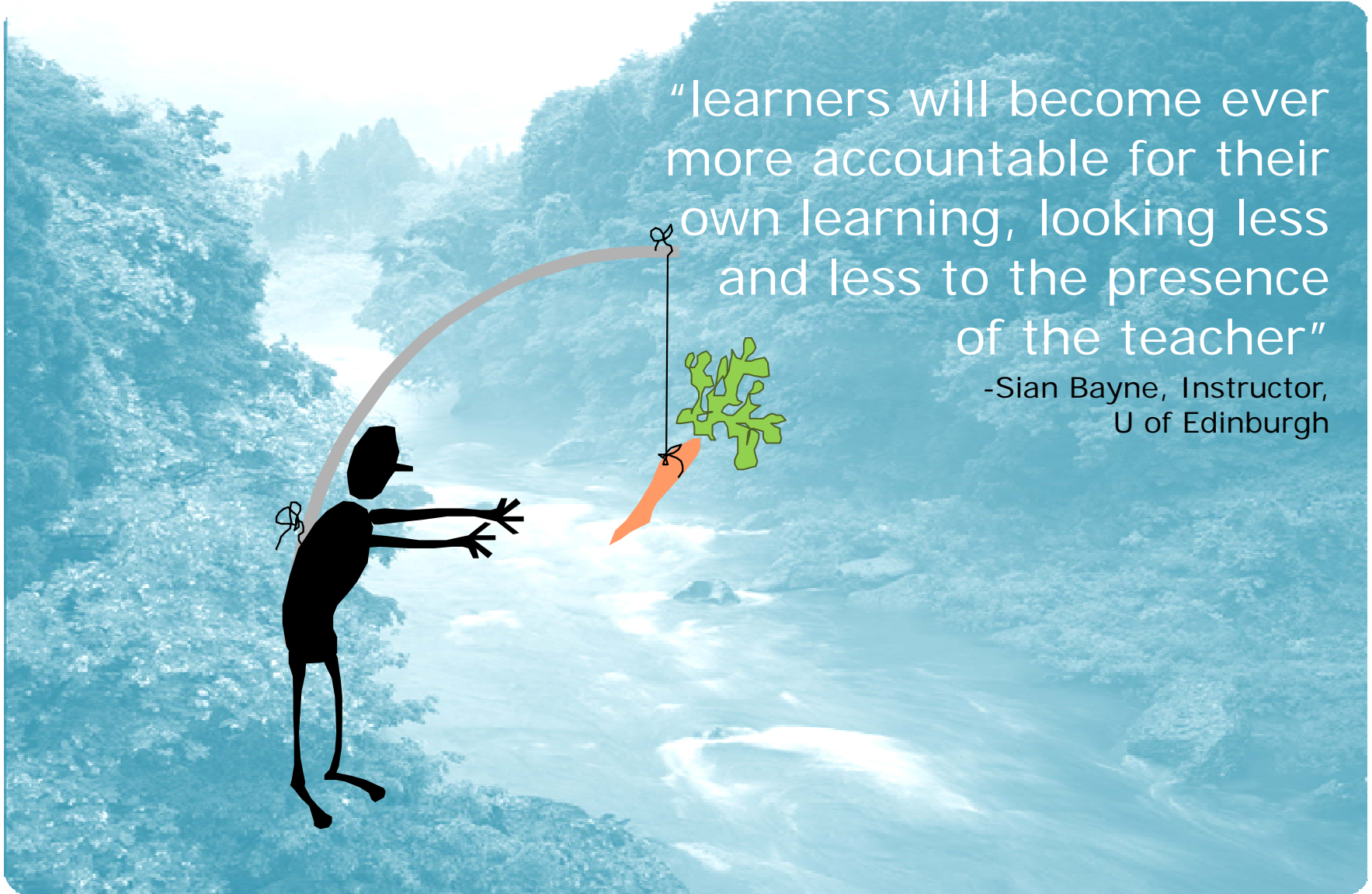


Room for
improvement

Learner at the center

"learners will become ever more accountable for their own learning, looking less and less to the presence of the teacher"

-Sian Bayne, Instructor,
U of Edinburgh



The motivation challenge

If you want your staff to come up with innovative ways to improve library service,

Offer a cash bonus

Offer an iPad or other cool tech "toy"

Offer a day to work on whatever they want

Autonomy strategies

Flipped classroom



Photo: flip by dcJohn on Flickr

instruction occurs at home
(video)

“homework” is done in the
classroom

increase personalization

increase interaction and
group work

MOOCs

M = massive

O = open

O = online

C = course

“a MOOC is new territory
not because it is online,
but because of its scale”

-Jen Ross, Instructor, U of Edinburgh



Photo: Egg, Digital DNA, City of Palo Alto, by Wonderlane on Flickr

Self Directed Achievement

"A culture of
**lifelong
learning**
...begins with
me."



1 goal
1 hour
every week
= culture change

Mastery strategies

Collaboration



...is an element of game play

Photo: Study group by UBC on Flickr

Level up

Grades

A

assign
learners'
status

B

C

D



120

100

80

60

40

20

Points

Encourage
learners
to climb
higher

Fail forward



"the more I fail,
the faster I learn!"

Digital badges



Recognition for gaining skills

Collect in a virtual backpack

Share with peers & managers

Purpose

Purpose



Photo: Edinburgh public library by only alice on Flickr

Mapping the mix

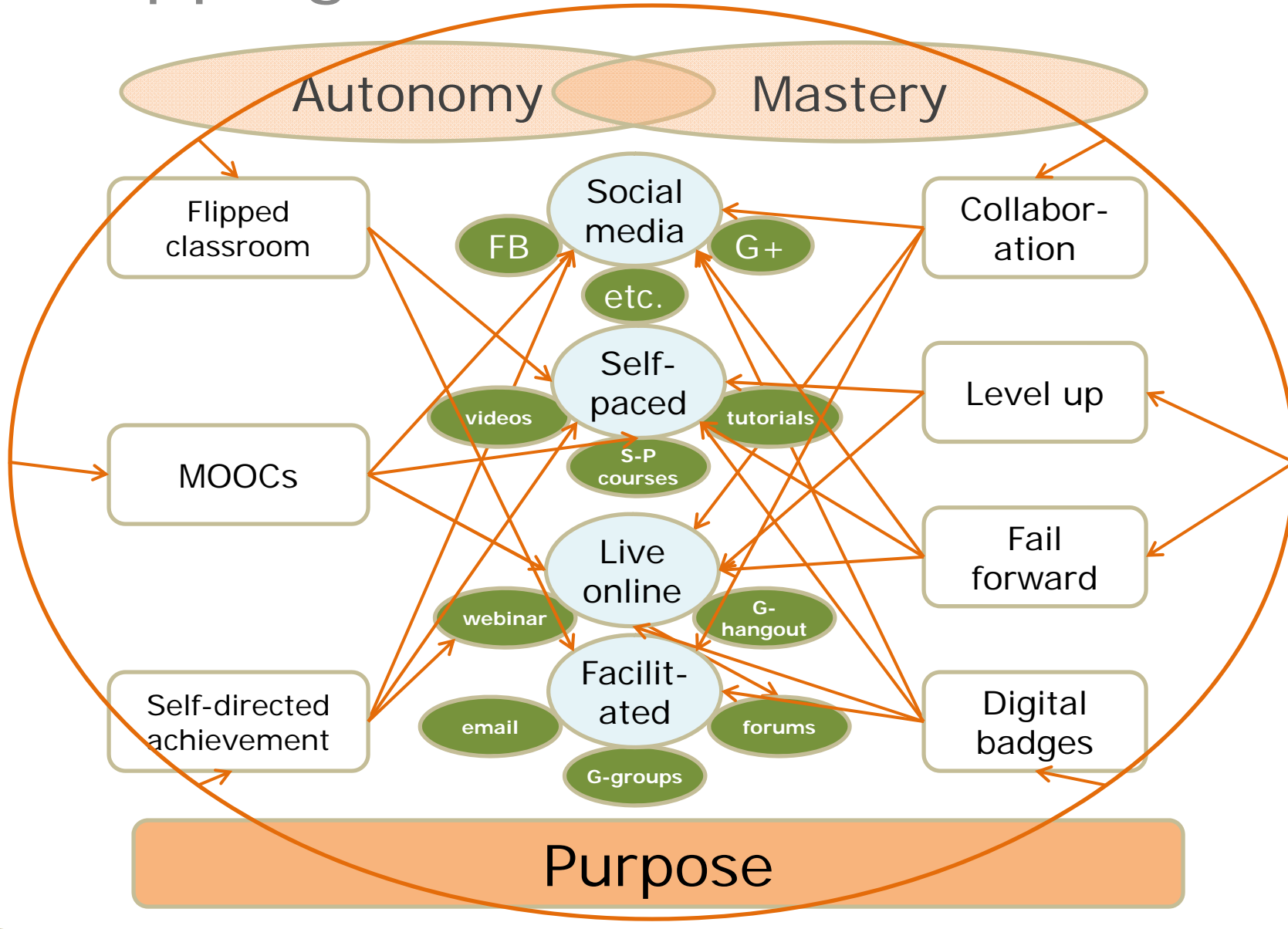


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- #35: Digital badge, Digital Media Learning Competition <http://dmlcompetition.net/Competition/4/badges-projects.php?id=2250?>
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