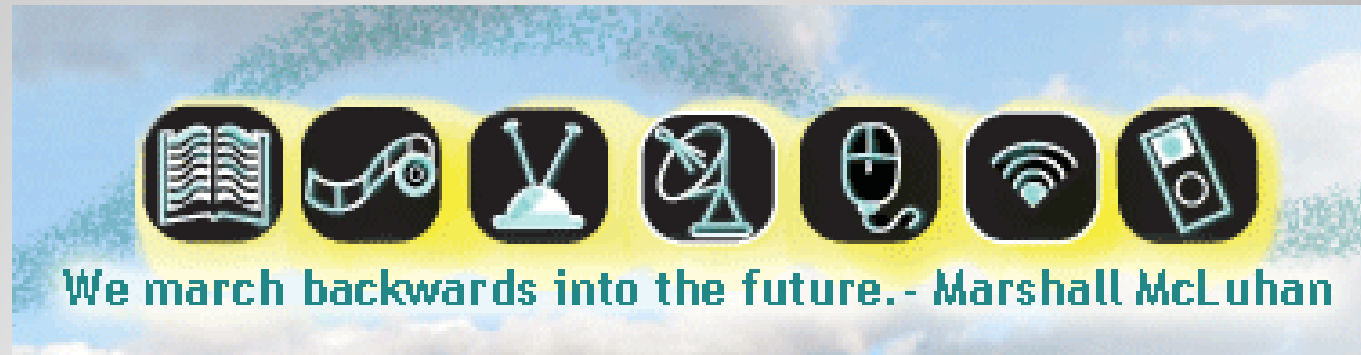# The Future of Online Learning

Jo Flick, MS Ed.
Continuing Education Coordinator & Trainer

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

We march backwards into the future.- Marshall McLuhan

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
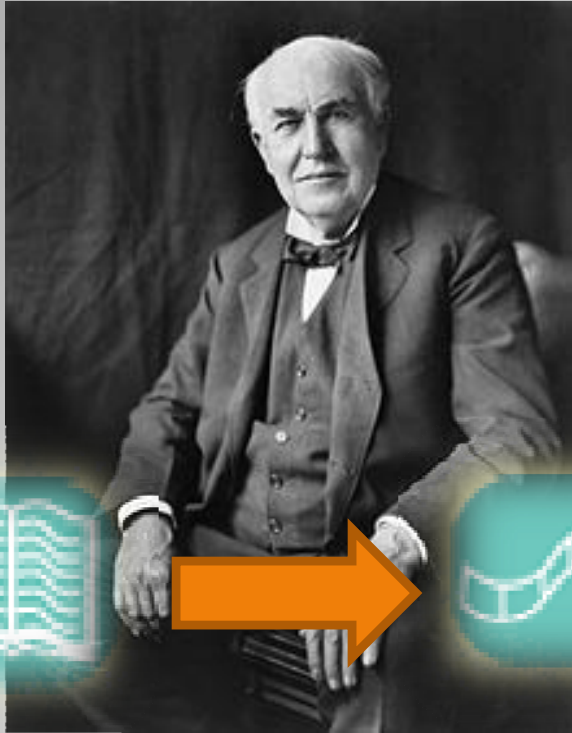- Feedback
- Learner control

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."
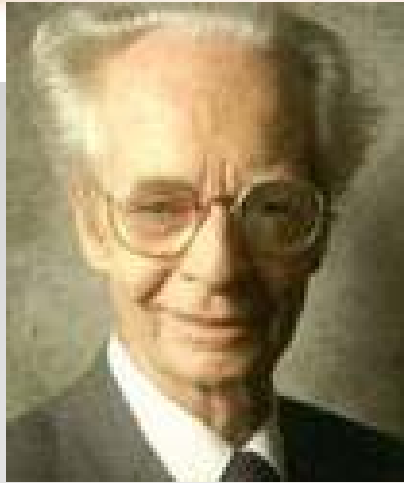
Thomas A. Edison

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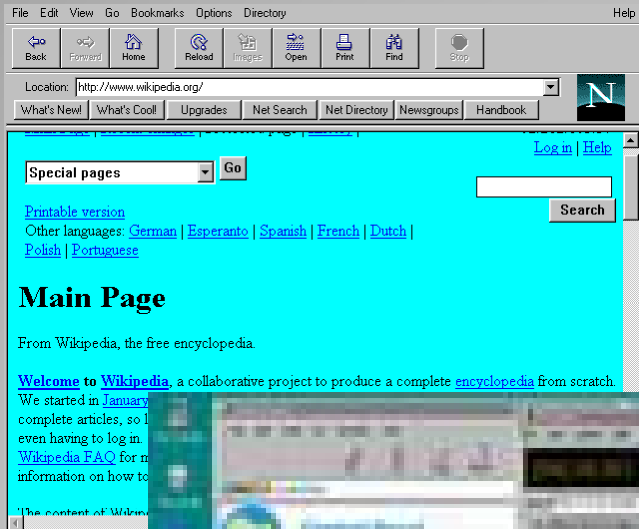- Programmed Instruction

Mid-century

- VHS & VCR
- *Alto*
- Atari

The 1970s

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

The 1970s

- WWW
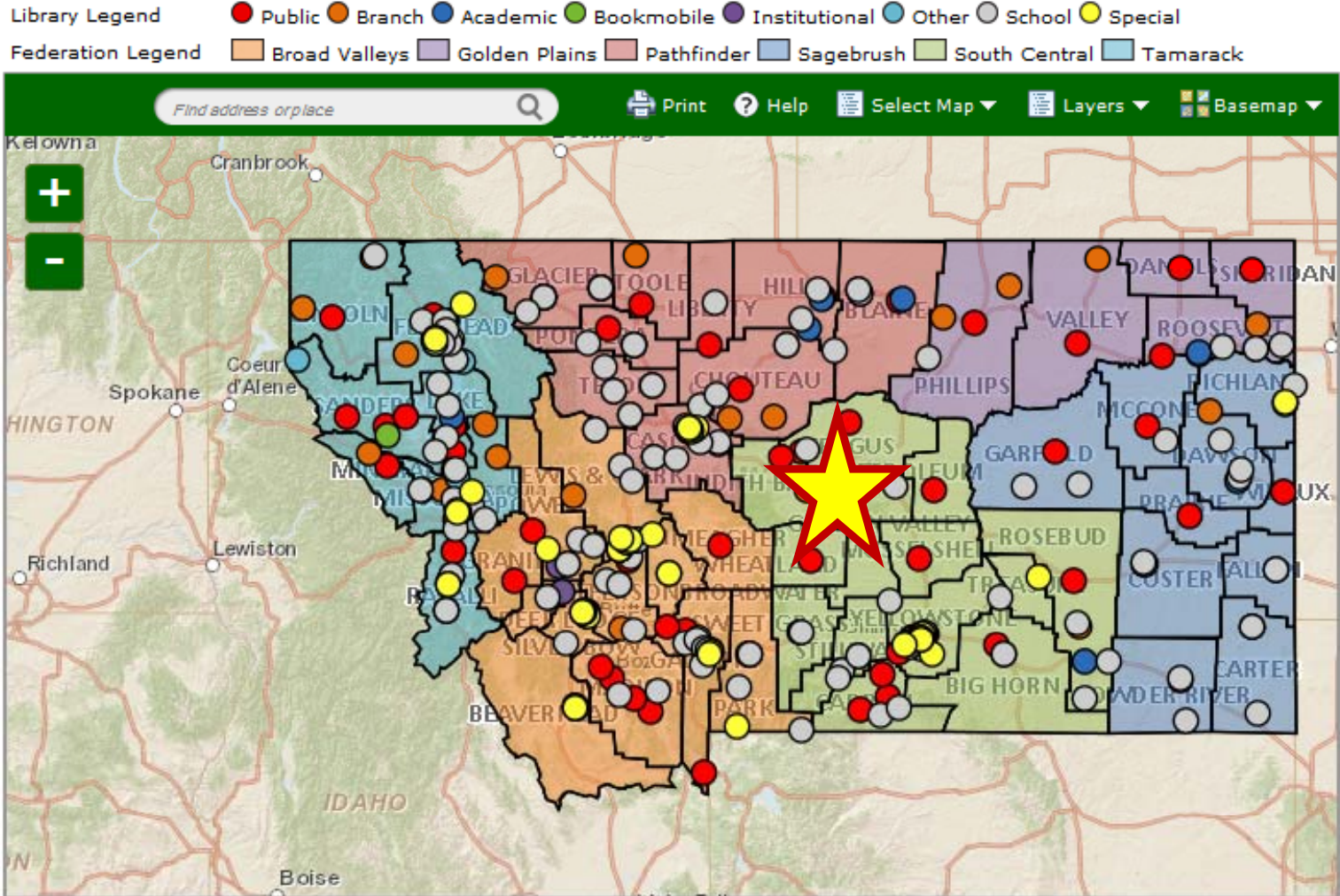- Microsoft Windows
- DVD
Constructivism

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

Montana Libraries

http://vimeo.com/channels/403784

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

APPLICATION

DEMONSTRATION

M. David Merrill (2002) First
Principles of Instruction.
https://www.indiana.edu/~tedfrick/a
ect2002/firstprinciplesbymerrill.pdf

Three ideas

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

eLearning in the balance

Peer learning

Chunked, patterns

Learner control

Strengths

eLearning in the balance

Ego

Feedback

Learner control
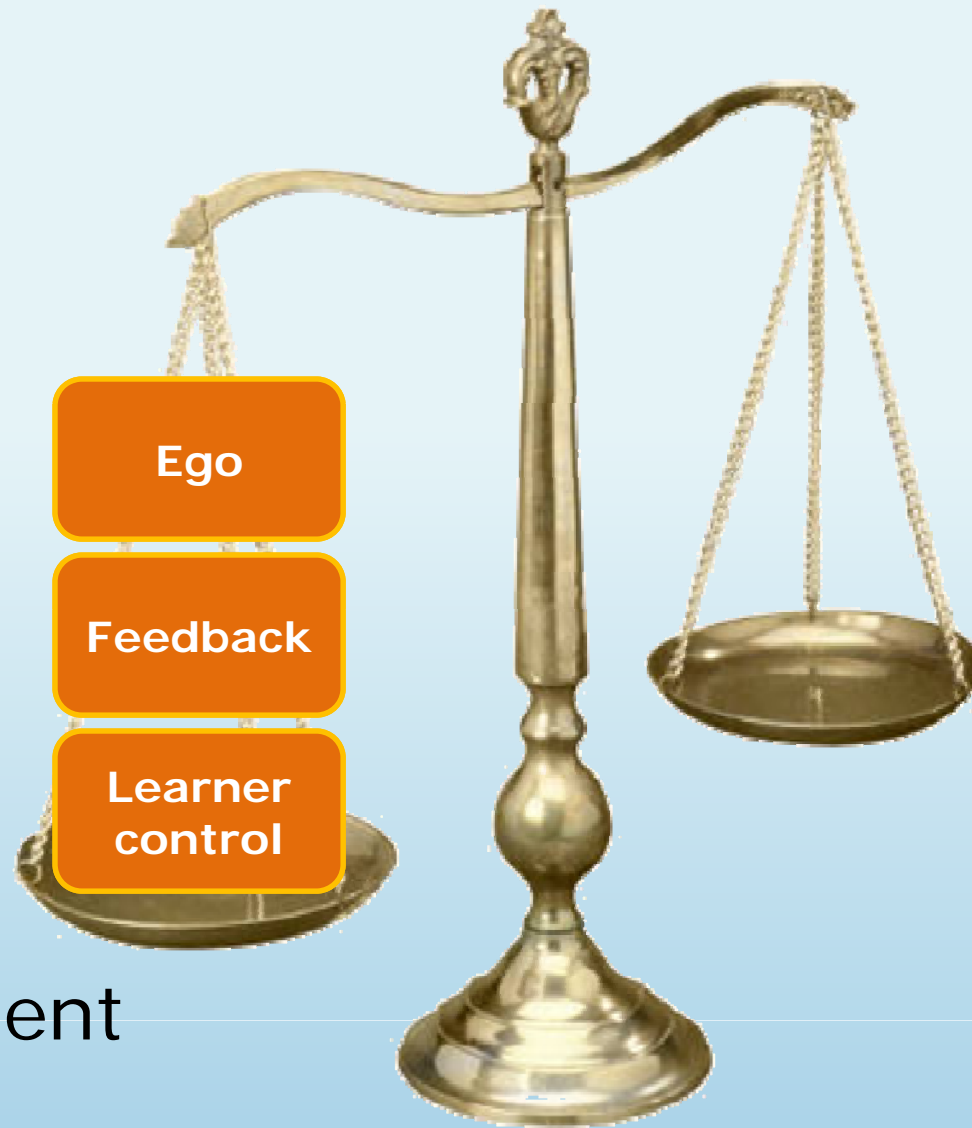
Room for improvement

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
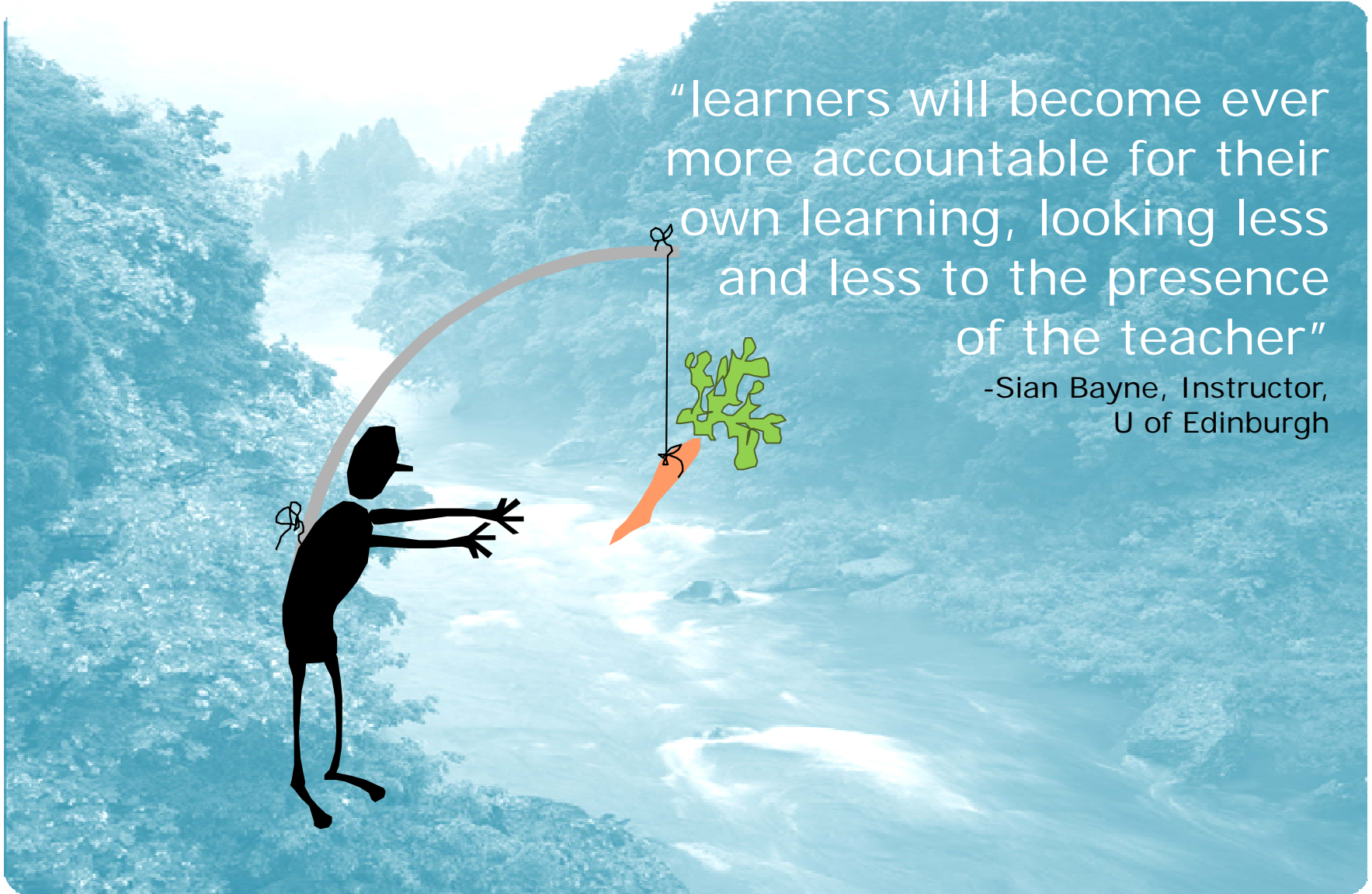
The motivation challenge

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

assign learners' status

(A)
(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

Autonomy

Mastery

Flipped classroom

MOOCs

Self-directed achievement

Social media

FB

G+

etc.

Self-paced

videos

tutorials

S-P courses

Live online

webinar

G-hangout

Facilit-ated

email

forums

G-groups

Collabor-ation

Level up

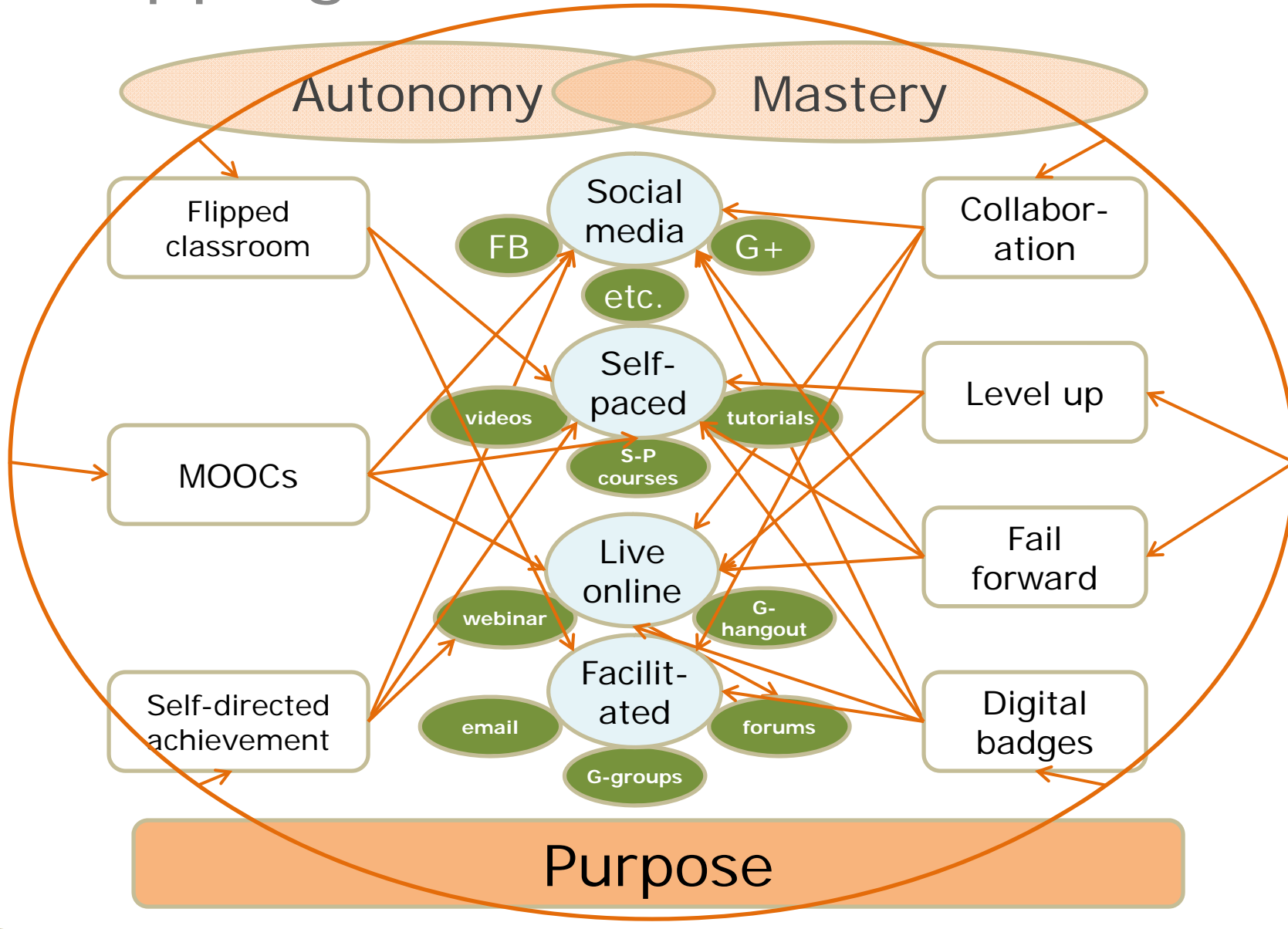Fail forward

Digital badges

Purpose

Image attributions

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- #3, 4: Photo by Joann Flick
- #8 Photo: T. A. Edison from http://upload.wikimedia.org/wikipedia/commons/thumb/9/9d/Thomas_Edison2.jpg/220px-Thomas_Edison2.jpg

   Icon images: Joann Flick original art
- #9 Photo: Eckert, Sweeney & Cronkite – 1952 http://www.computerhistory.org/revolution/early-computer-companies/5/102
- #10 Atari 2600 by Ethan Hein on Flickr http://www.flickr.com/photos/ethanhein/3019606427
- #11 B.F. Skinner photo http://tiger.towson.edu/~lcropp1/Theory.htm
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- #21Portland TriMet rail map http://trimet.org/maps/railsystem.htm
- #28: flip by dcJohn on Flickr http://www.flickr.com/photos/dcjohn/201195554/
- #29: Egg, Digital DNA, City of Palo Alto, Art in Public Places, 9.01.05, California, USA by Wonderlane http://www.flickr.com/photos/wonderlane/3200144082/
- #32 Study group by UBC on Flickr
- #34: Choose your own adventure… by Integral Apparel on Flickr http://www.flickr.com/photos/integralapparel/6547057753/
- #35: Digital badge, Digital Media Learning Competition http://dmlcompetition.net/Competition/4/badges-projects.php?id=2250?
- #37: Edinburgh public library by only alice on Flickr http://www.flickr.com/photos/alltheaces/38576786/
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