

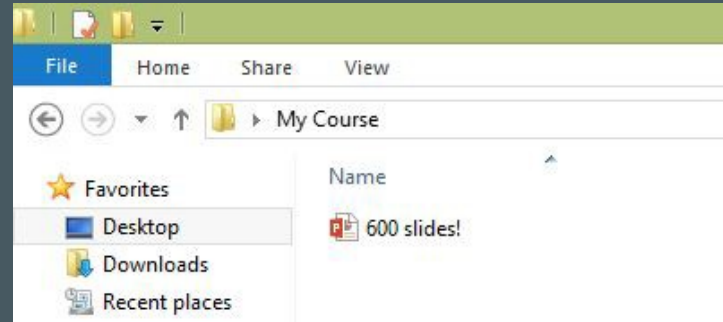
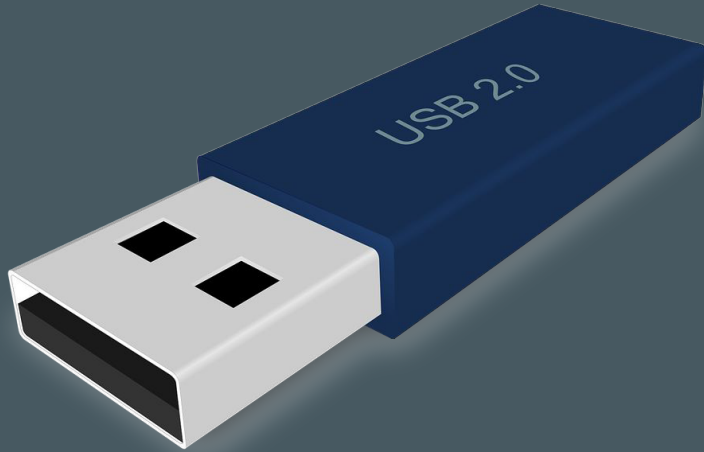
Trainers to Educators: Supporting New Instructors

Dr. Gary Ackerman, Mount Wachusett Community College
2016 Massachusetts Colleges Online

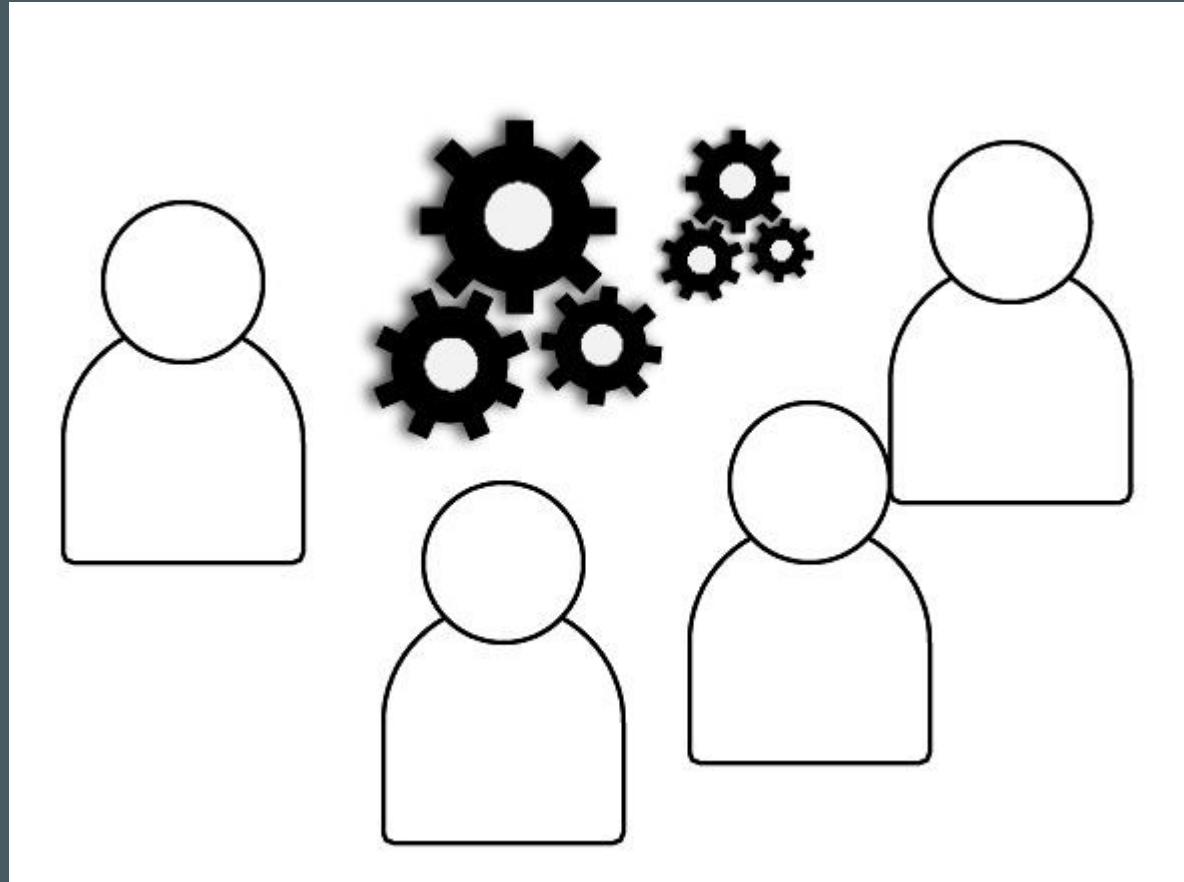
@garyackermanphd
<http://www.hackscience.net>

The Problem

“Here is my course.”



Training



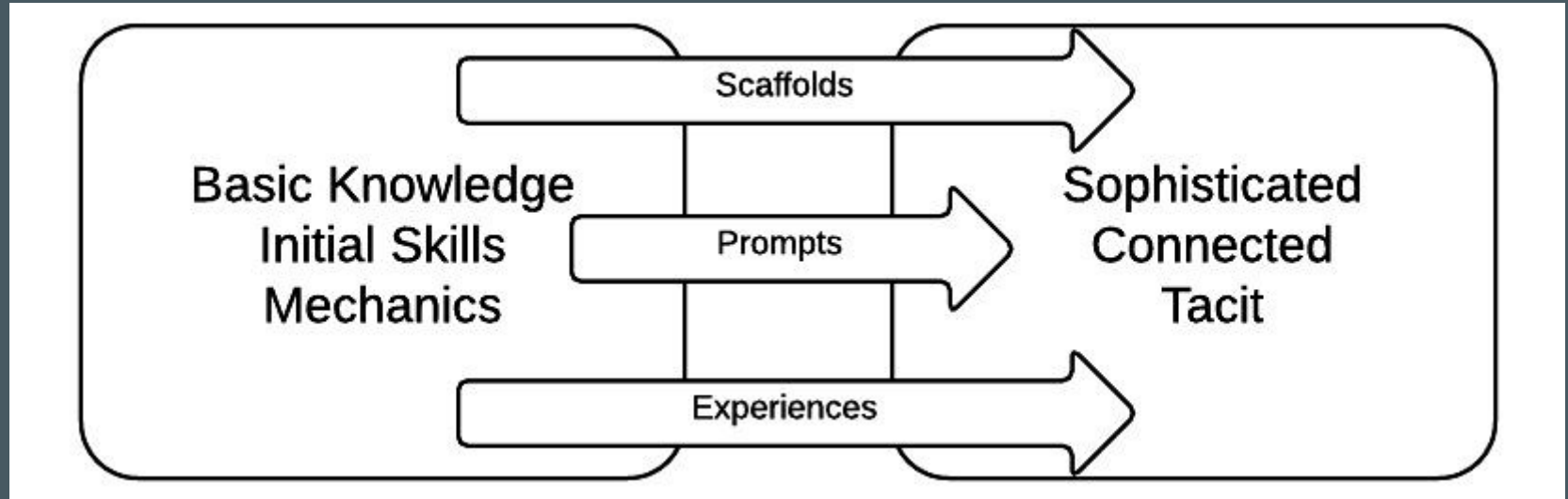
Education



Effective teachers create
rich context and
social interaction
in their classrooms
(in-person and online).

The Learning Paradox

One cannot build sophisticated knowledge unless one has sophisticated knowledge.

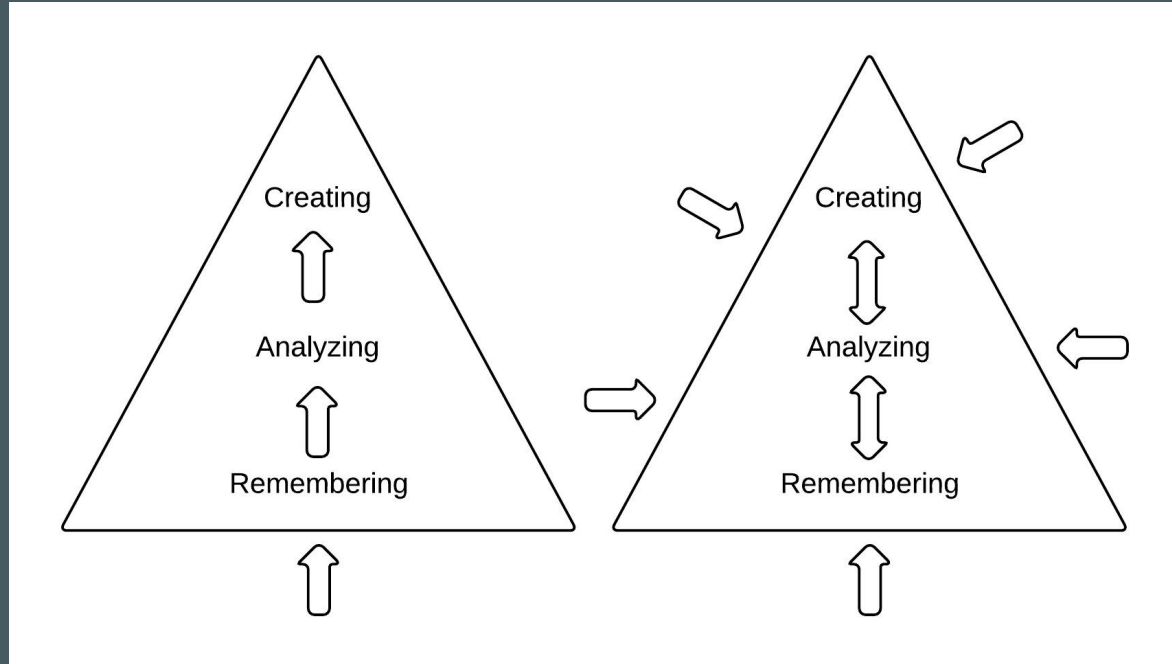


Remember, also...

Multiple points of entry into Bloom's taxonomy

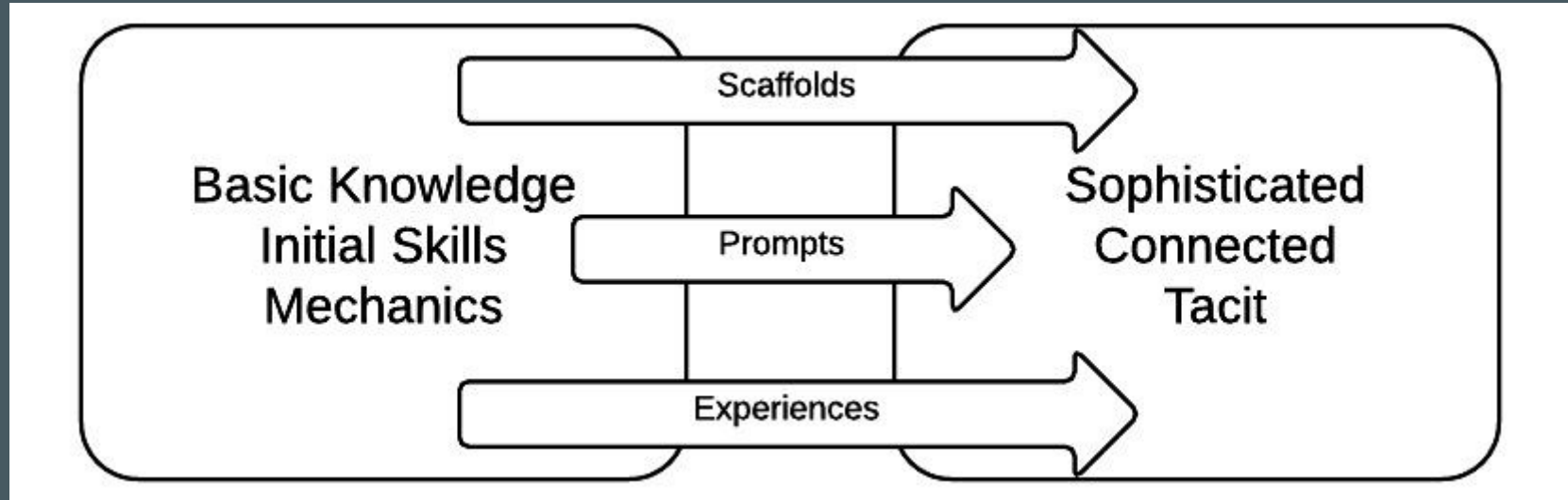
Sophisticated
Connected
Tacit

Basic Knowledge
Initial Skills
Mechanics



Design this...

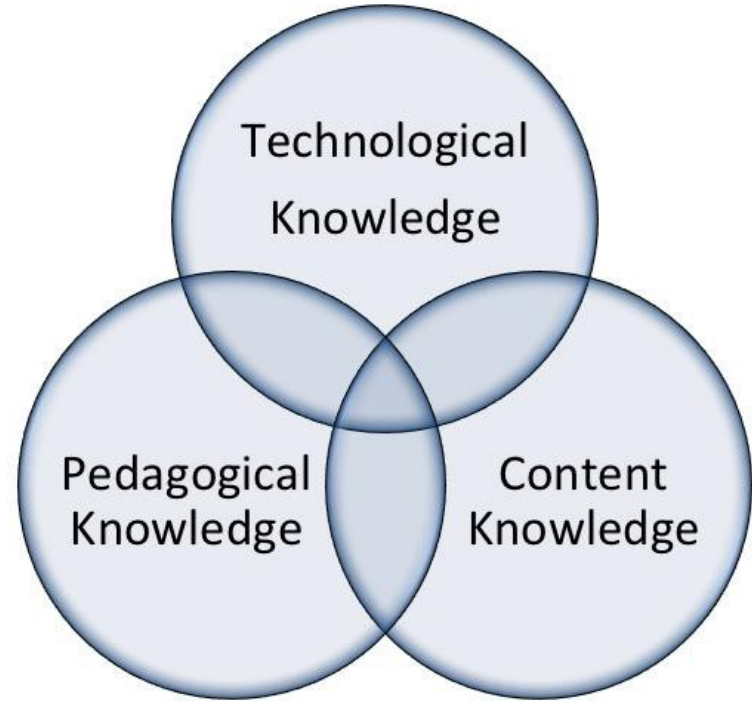
Sophisticated understanding of education for new instructors



Lessons learned & strategies

Lesson #1: Educators need TPACK

- Correlations are weak
- Develop together
- “It” is a gateway, not culmination



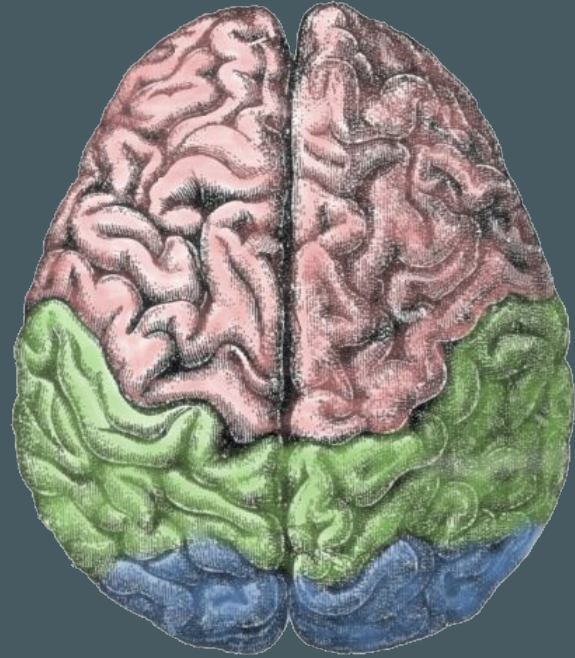
Strategy #2: Chunk, chunk, chunk

Course

Temporal/ Topics

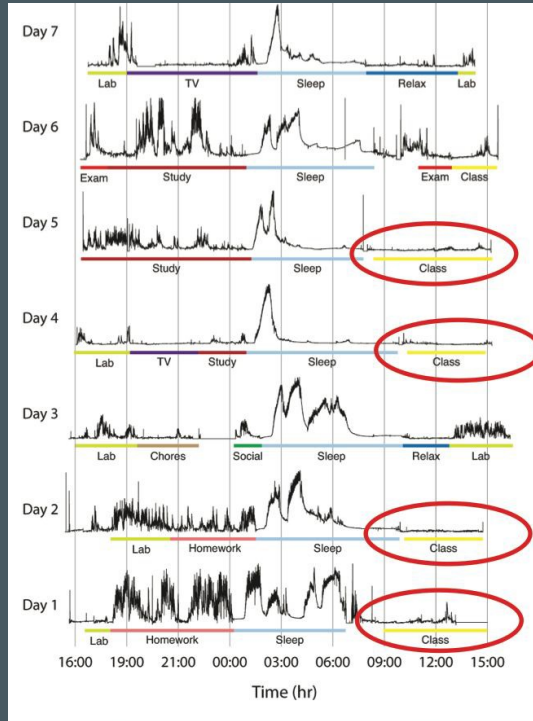
Session

Attention Span



- Keeps instructor organized
- More efficient browsing of materials
- Facilitates connections

Lesson #3: Learning is about brains



Rule #4

We don't pay attention to boring things.

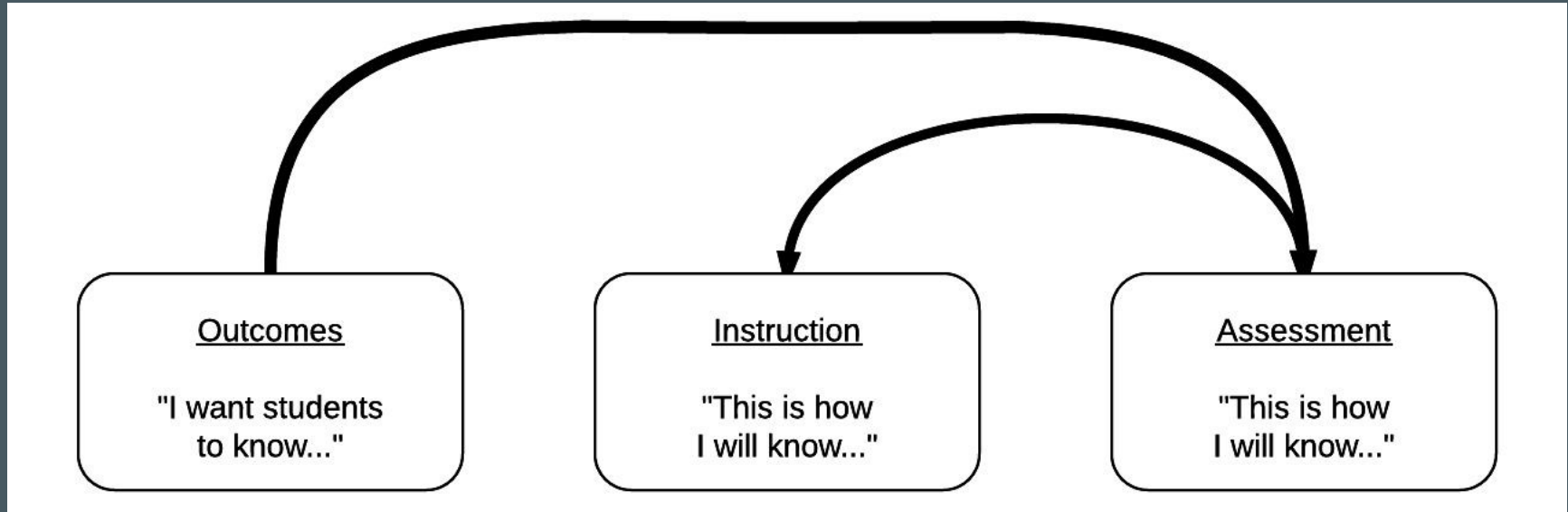


Rule #10

Vision trumps all other senses.

- Positive emotions
- Cognition and social
- Variability

Strategy #4: “Two steps forward one step back”



- Clarify “why?”
- Assessing the course and materials
- Avoid doing the wrong thing right

Strategy #5: Design for diverse learners

Use titles

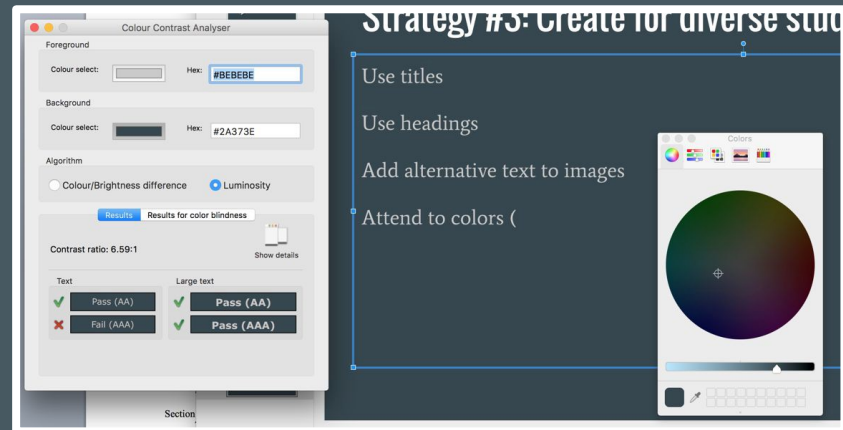
Use headings

Add alternative text to images

Attend to colors (Colour Contrast Analyzer)

PDF

Mobile-friendly



- Education populations are unreliable and unpredictable
- ADA compliance helps all learners
- Meet 'em where they are

Lesson #6: The importance of sand boxes

Paid time for:

- Show-and-tell
- Click-and-follow
- Do this...
- Explore-and-ask

- Stress-free
- Learn to copy to other courses

My Courses

Courses where you are: Instructor

Gary's Practice Site

Advanced-Manufacturing: Advanced Manufacturing: Industry Readiness Training (Use as Master)
Instructor: Gary Ackerman; William Blais; Julie Crowley; Adam Duggan; John Henshaw; David Hunt; Gretchen Ingvason; Matthew Kline; Meghan Koslowski; Darla Lamanna; Deborah Neckorcuk; Christian Reifsteck; Steven St. Laurent; Jennifer Stephens; Robert Wiita;

201601-CIS127-W2B
Announcements:
 > #38: Points on Quiz #3
 > #37: Spreadsheet Grades Fixed
 > #36: Questions about grades
 > #35: A few things...
 > #34: Nearing the End

adv_manu_sand: Advanced Manufacturing Sandbox

adv_manu_teaching: Advanced Manufacturing: Teaching with Digital Tools
Instructor: Gary Ackerman; Gary Ackerman; Matthew Kline;

adv_manu_template: Advanced Manufacturing: Template
Instructor: Gary Ackerman; Gary Ackerman;

ATTMaster

ATT1015

IRT_Master: Industrial Readiness Training Master (not currently available)
Instructor: Gary Ackerman; Gary Ackerman;

IRT_MOOC (not currently available)

kline_practice: Kline Practice
Instructor: Gary Ackerman; Gary Ackerman; Matthew Kline;

master-qst: Master- QST
Instructor: Gary Ackerman; Julie Crowley; Michael Fake; Carmen Ferrera; John Henshaw; Gretchen Ingvason; Jennifer Stephens;

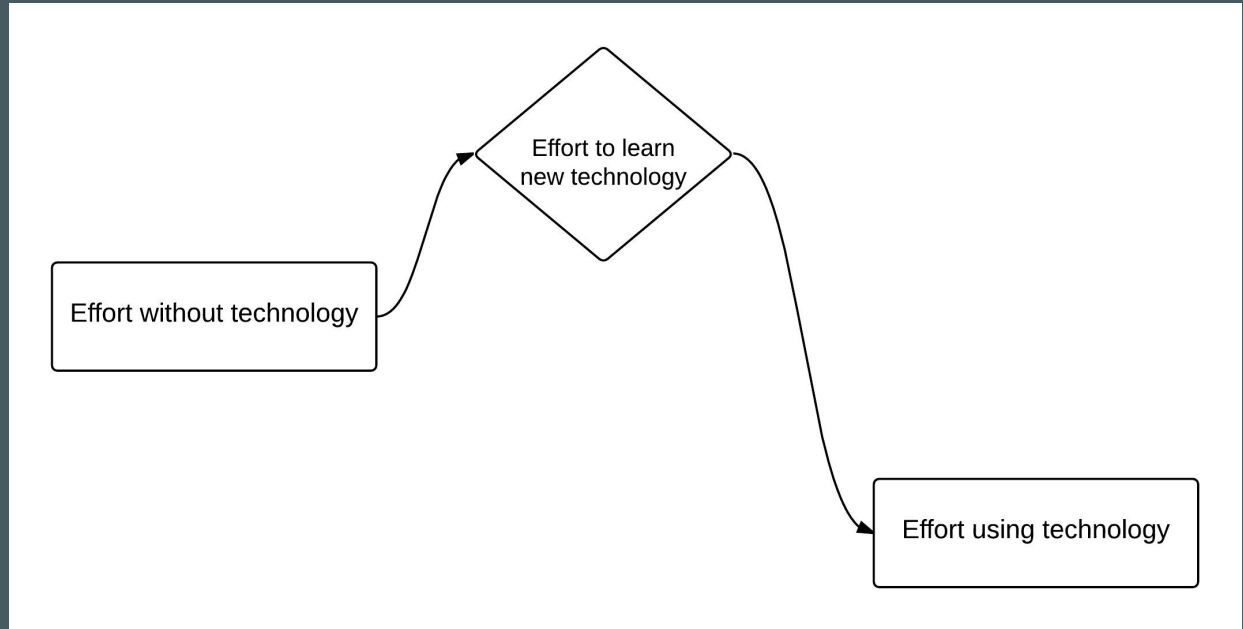
Lesson #7: Activation energy

Templates

Training

Tutoring

- Don't be John
- Easy & useful



Strategy #8: Just in time advice

- Enable independence
- Importance of tagging

2c) Adding Information to Your Course

Build Content ▾ Assessments ▾ Tools ▾ Partner Content ▾

Add folders

We can organize course contents into folders. Navigate into a folder, then use the "Build Content" menu

Once you find a folder has more than about 10 items in it, then the contents should be organized into s

Add a Folder to Your Course

BY DEFAULT, THE NEW FOLDER IS ON THE BOTTOM OF THE LIST

DRAW THE LEFT BORDER AND DROP IT IN THE DESIRED ORDER

Uploading Files

The best practice is to save word processing and presentation files as PDF's before uploading them. Tha

Adding an Item

Lesson #9: Understand level of savvy



Welcome to Xerte
Online Toolkits

- Most simple tool
- Problem of support

Summary

- Instructors arrive with content knowledge
- Pedagogical knowledge may be inconsistent with brains
- We do have strategies and approaches to help them be more effective

