

FROM COGNITIVE PSYCHOLOGY TO TEACHING STRATEGIES

Take Advantage of How Adults Learn

Goal: Information Transfer



Transfer improved by

- Specific mention of what was learned
- **Use** the information
 - Examples of increasing complexity
 - “Quiz Effect”
- Motivation



Teaching
Strategies 1:

A more
informative
Syllabus



Teaching Strategies 2:

START EACH CLASS WITH:

1. CONTEXT:
BRIEF
REMINDER OF
CLASS
BEFORE
2. OVERVIEW OF
THIS CLASS



Teaching Strategies 3: **ENGAGE!**

(Make it Active)

1. Think/Pair/Share
2. You work problems
3. Students work problems/
report out



Teaching
Strategies 4:
ENTRANCE
& EXIT
“TICKETS”



Teaching
Strategy 5:
MOTIVATE!
Show/tell
students
why this
matters in
practice

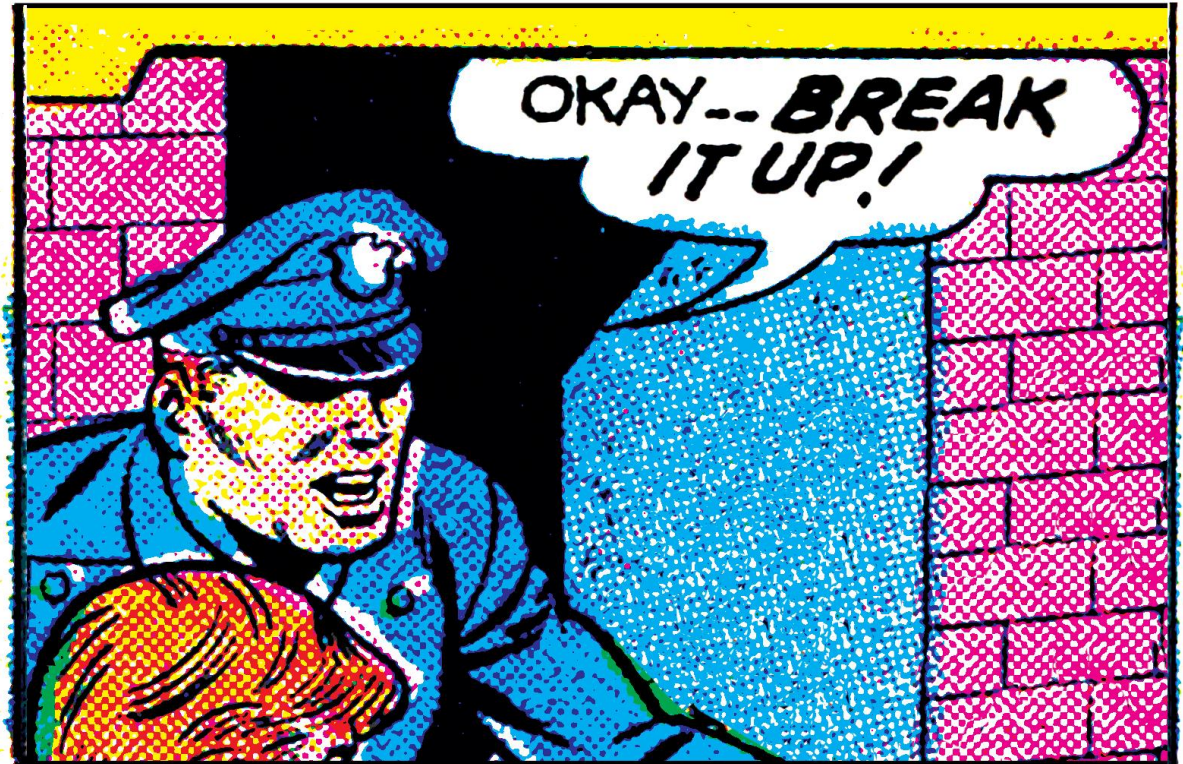


“Cognitive Load”



Teaching
Strategies 6:

ALTERNATE
LECTURE
(10-15
minutes)
WITH
OTHER
ACTIVITIES



Teaching
Strategies 7:
SCAFFOLD
Relate new
information
to
something
students
already
know



Teaching Strategies 8:

USE VISUALS
Whiteboard
Charts/Graphs
PowerPoint

