ACTIVE LEARNING "À la Carte" in a low tech environment

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- 1. WELCOME and JUMPING IN
- 1. WHAT IS ACTIVE LEARNING?
- 1. CONSTRUCTING our TEACHING CHALLENGES
- 1. ORCHESTRATION
- 1. SHOW-AND-TELL





Let's jump in



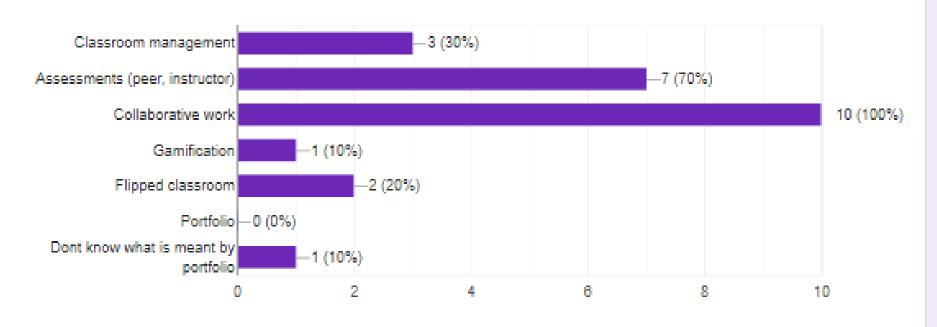
1. challenge(s) that needs attention



DALC à la carte

what challenge in your classroom would help you take your active learning classroom to another level for you? (choose as many as you wish)

10 responses



What is the DALC? Why?

the long more formal answer....

"Active Learning is generally defined as any instructional method that engages students in the learning process. In short, active learning requires students to **do** meaningful learning **activities** and **think** about what they are doing." (Prince, 2004)

"Active learning has become a way to describe instruction rooted in constructivist and social constructivist learning theories. Active learning shifts teaching practices away from a transmission of knowledge model to a student-centered model. It focuses on **designing** for student participation and engagement, and it takes into account the cognitive, social and emotional aspects of learning." (Charles et al., 2015)

for today....

Involving students in doing things and purposefully thinking about the things they are doing.

the lingo....

Orchestration & Scripts:

Teachers **orchestrate** learning opportunities through a **script** of diverse & flexible activities that include:

- Modeling
- Coaching (classroom management)
- Scaffolding

Design:

- Activity (creating artifacts)
- Classroom

SALTISE: from strategy to activities



Community

Projects

Resources

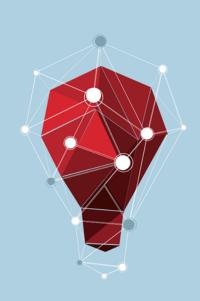
News & Events

Conference

Q

Supporting Active Learning & Technological Innovation in Studies of Education

DISCOVER SALTISE →

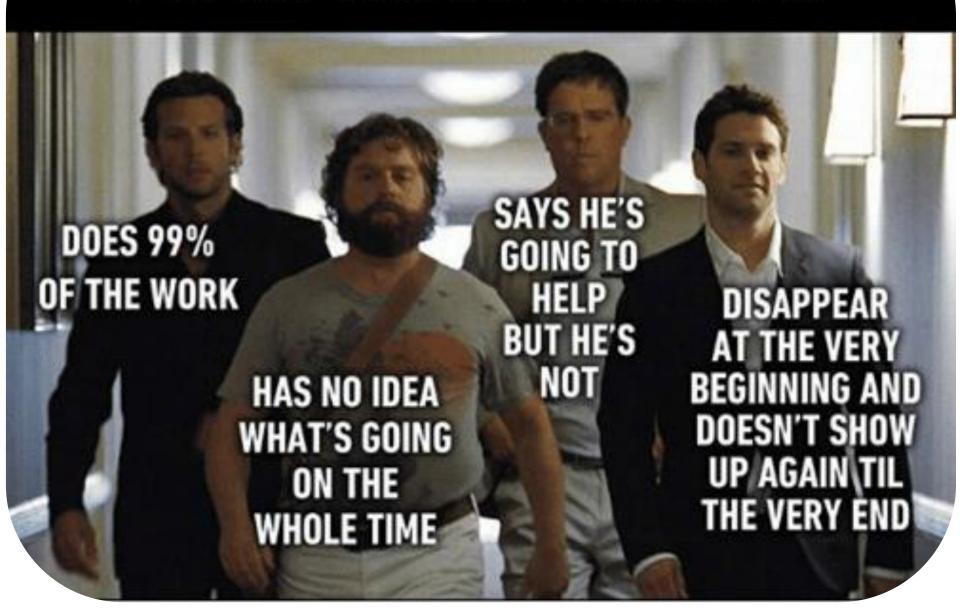


The DALC

https://www.dawsoncollege.qc.ca/active-learning/



EVERY GROUP PROJECT





Remember what you wrote earlier ...

STEP 1: CONSTRUCTING

TEACHING CHALLENGES

"...too much grading"

instead...

"I have my students write many one-minute papers in my class, but I find it is too much grading. I feel bad asking them to do work that I don't look at."

STEP 1: CONSTRUCTING

TEACHING CHALLENGES

"...passive or no reading"

instead...

"I have worked hard at providing a variety of texts in my class, but I do have a few important textbook chapters that I need my students to read. The chapter is long with a lot of content. How do I motivate students to read this important content more actively?"

STEP 1: CONSTRUCTING

TEACHING CHALLENGES

"... 'seemingly'
low engagement
from a few
students..."

instead...

"Students are using inclass time to work in groups on a collaborative research project. In one group, you notice at least one student sitting back watching the others do the work. In another group, two students chat off topic."



Revise the formulation of your own challenge.

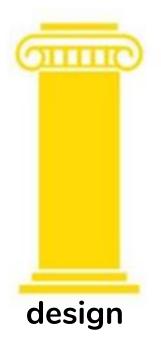


- group formation and composition
- group coaching: monitoring, giving feedback & direction
- alternating between group & whole class interactions
- assessing group work

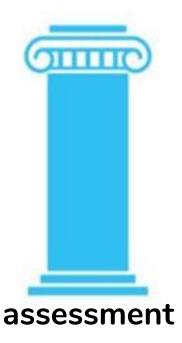
CONSTRUCTING TEACHING CHALLENGES



3 pillars of orchestration







Quickly
brainstorm
your own
challenge
through these
3 pillars

CONSTRUCTING TEACHING CHALLENGES STEP 3

"I have worked hard at providing a variety of texts in my class, but I do have a few important textbook chapters that I need my students to read. The chapter is long with a lot of content. How do I motivate students to read this important content more actively?"

Design

Coaching

Assessing



- Introductions
- Share with your table
- Choose one challenge to address and apply the 3 pillars



CONSTRUCTING TEACHING CHALLENGES ste



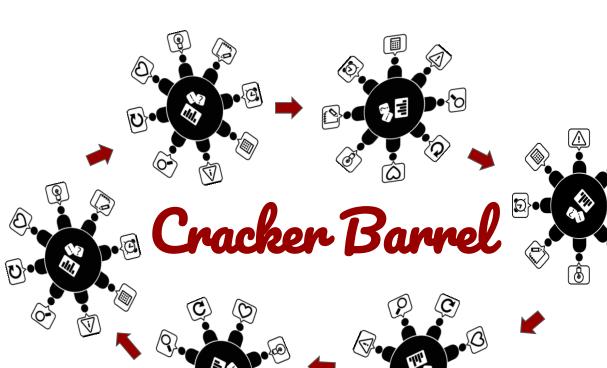
Share with the room

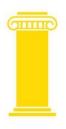


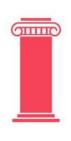
TEACHING CHALLENGES Ster



DESIGN COACHING ASSESSING



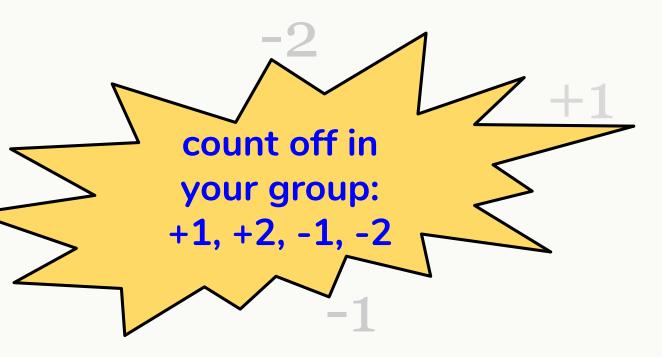






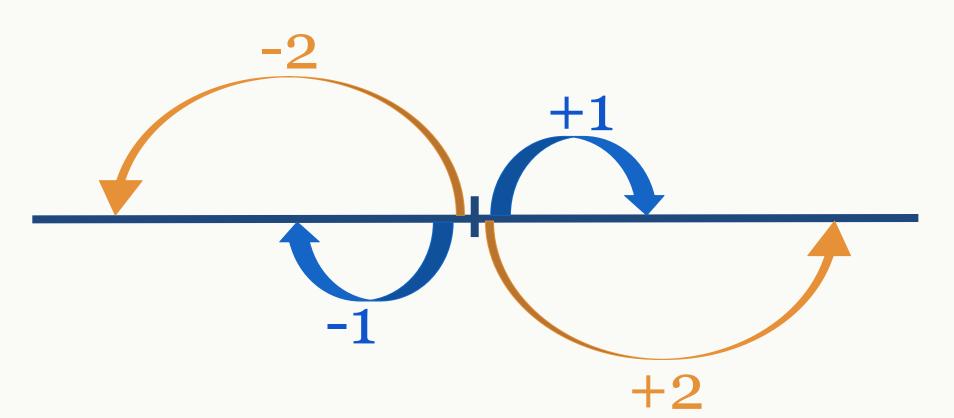


let's count off!





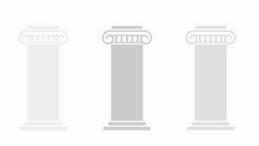
let's shuffle!



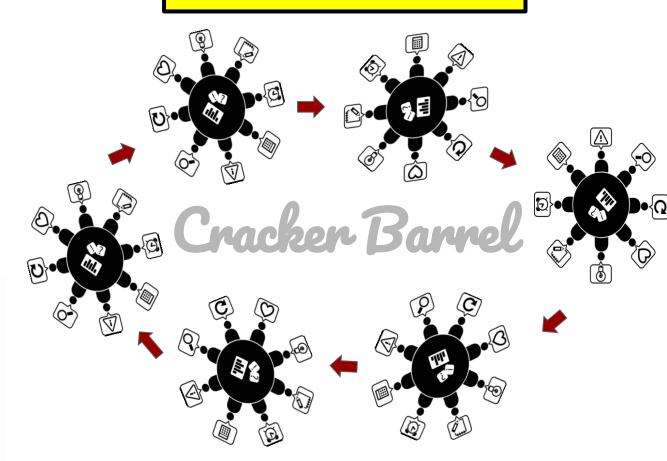


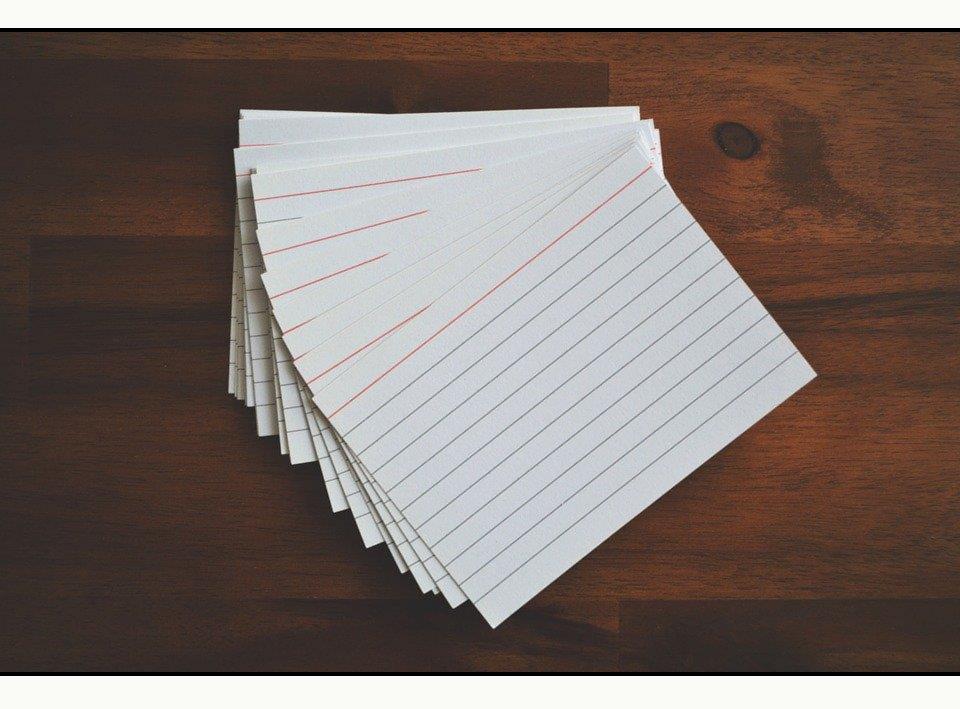
TEACHING CHALLENGES

DESIGN
COACHING
ASSESSING



TIME TO SHARE





side dishes more stuff

Collaborative Work

- Group size (full class, ½ class, smaller groups)
- Timing and duration of activities
- Collaborative writing in class & out of class
- Technology can help with out of class work (google docs, SLSO, Workspan etc.)



COACHING GROUPS IN THE CLASSROOM - AL ORCHESTRATION:



PLEASE SIT ACCORDING TO YOUR





















Share with others in Drive, Docs, Sheets ...





The **Apps** Show

Collaborating with Apps

COPING WITH HITCHHIKERS AND COUCH POTATOES ON TEAMS

BY BARBARA OAKLEY

You will usually find your university teammates as interested in learning as you are. Occasionally, however, you may encounter a person who creates difficulties. This handout is meant to give you practical advice for this type of situation.

To begin with, let's imagine you have been assigned to a combined homework and lab group this semester with three others: Mary, Henry, and Jack. Mary is okay-she's not good at solving problems, but she tries hard, and she willingly does things like get extra help from the professor. Henry is irritating. He's a nice guy, but he just doesn't put in the effort to do a good job. He'll sheepishly hand over partially worked homework problems and confess to spending the weekend watching TV. Jack, on the other hand, has been nothing but a problem. Here are a few of the things Jack has done:

- * When you tried to set up meetings at the beginning of the semester, Jack just couldn't meet, because he was too busy.
- * Jack infrequently turns in his part of the homework. When he does, it's almost always wrong-he obviously spent just enough time to scribble something down that looks like work.

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- * lack has never answered phone messages. When you confront him.

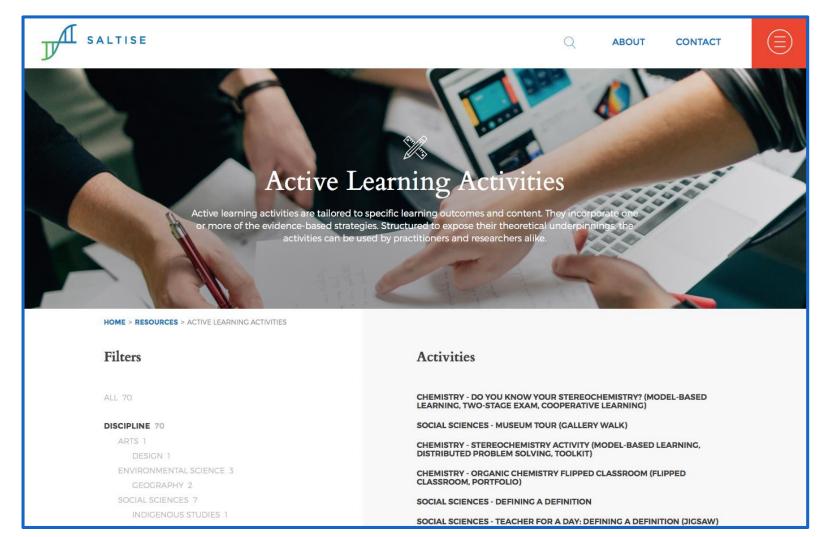
COACHING GROUPS IN THE CLASSROOM -

AL ORCHESTRATION.



- There is no single right way to form groups;
- To monitor groups you need access to the students and their artifacts;
- to give timely feedback and direction you need to monitor group actions and interact with their products;
- to focus the attention of the whole class on an artifact, you
 must be able to get their (collective attention) and the
 artifact must be accessible to all students technology
 can help.

MANAGING GROUPS BEGINS WITH EFFECTIVE ACTIVITY DESIGN:



coaching techniques

coaching and assessing

Why CATs (Classroom Assessment Techniques)

- Takes "pulse" of the class
- Provide timely feedback about the teaching-learning process
- Students can monitor their own learning & progress



Different types

Broadly, can be used to assess...

- 1. Course-related knowledge and skills
- 2. Student attitudes, values, & self-awareness
- 3. Reactions to instruction methods

WHO?	CAT	Description	Resources	
Yann Brouillette	"Blink"	An in-class application of myDalite using student cell phones - allows peer instruction and immediate feedback	www.mydalite.org https://www.youtube.com/watch?v=0tJVVy2ay7 c&t	
Cathy Roy	"Plickers"	Uses teacher cell phone app & QR codes (students) for anonymous formative quizzing - allows teachers to track individual students and whole class over the term	https://get.plickers.com/ https://help.plickers.com/hc/en-us	
Vanessa Gangai	Study skills/ teaching strategies survey	Using online surveys to encourage meta-cognition and improve classroom environment. Examples: study strategies survey and Stop-Start-Continue.	http://archive.wceruw.org/cl1/flag/cat/attitude/att itude1.htm https://online.uga.edu/node/4707	
Marta Cerruti	1-minute paper	Short formative writing assignment to assess learner understanding, gage class comprehension, and provide learners with the means to selfassess their own understanding.	https://www.saltise.ca/activity/eng- piece_of_paper_question/	

Tips for successful implementation

Start with simple/familiar techniques

Timing: use before first major assignment

Allow more time than anticipated

Don't overdo it (too many → survey overload)

Do explain the purpose to students

"Close the loop":

Act on what you find Report findings to students

Learn More:

50 CATS by Angelo and Cross (Compiled by the University of Oregon Teaching Effectiveness Program from Angelo, T.A. and Cross, K.P. (1993). Classroom Assessment Technologies (Second Edition). San Francisco: Jossey-Bass Publishers.

https://wiki.ubc.ca/images/a/ad/50 CATs Classroom Assessment Techniques.pdf

SALTISE

Active Learning Strategies: "Evidence-based sequenced tasks that engage students in cognitive, social and motivational mechanisms that promote learning":

https://www.saltise.ca/strategies/

Active Learning Activities: "detailed examples of Active Learning instructions":

https://www.saltise.ca/resources/activities/



Let's work together Peer assessment, maybe?

Instructions: Write the name of each group member in each of the columns below. Assign each member a score from 0 to 5 for each of the ten criteria. Include yourself in the evaluation. The total scores should differ since each group member has different strengths and weaknesses. Below, write any comments you wish to make.

					ı			
		GF						
	criteria□ names□							
	Attends meetings regularly							
	Is prepared for meetings							
	Meets deadlines							
GROUP, SELF AND PEER ASSESSMENT								
unc	701, 322							
	Listens to other members							
	Shows respect for others							
	Helps to reduce conflict							
	Your overall assessment of this person's contribution							
	On the line below, write down the name of each member in order of the marks you feel they deserve in relation to one another.							
	LOW MARK		HIGH MARK					

Assessment

- Clear purpose & criteria
- Meaningful Feedback

- Self assessment/reflection
- Peer assessment
- Group assessment
- Instructor assessment

