

SO YOU WANT TO BE A FLÍPPÍN' TEACHER?

The Journey of an Asynchronous & Mastery Based Classroom

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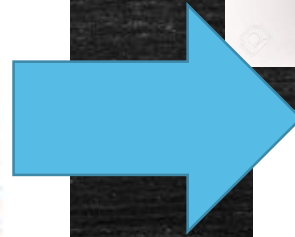


It's not about reinventing the wheel.
It's about vulcanizing the rubber to
make a better tire.

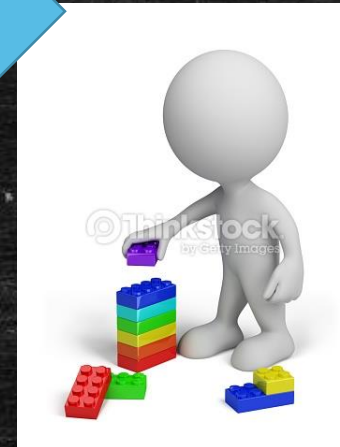
~ Jason Bretzmann

Image from www.primechoiceautoparts.com

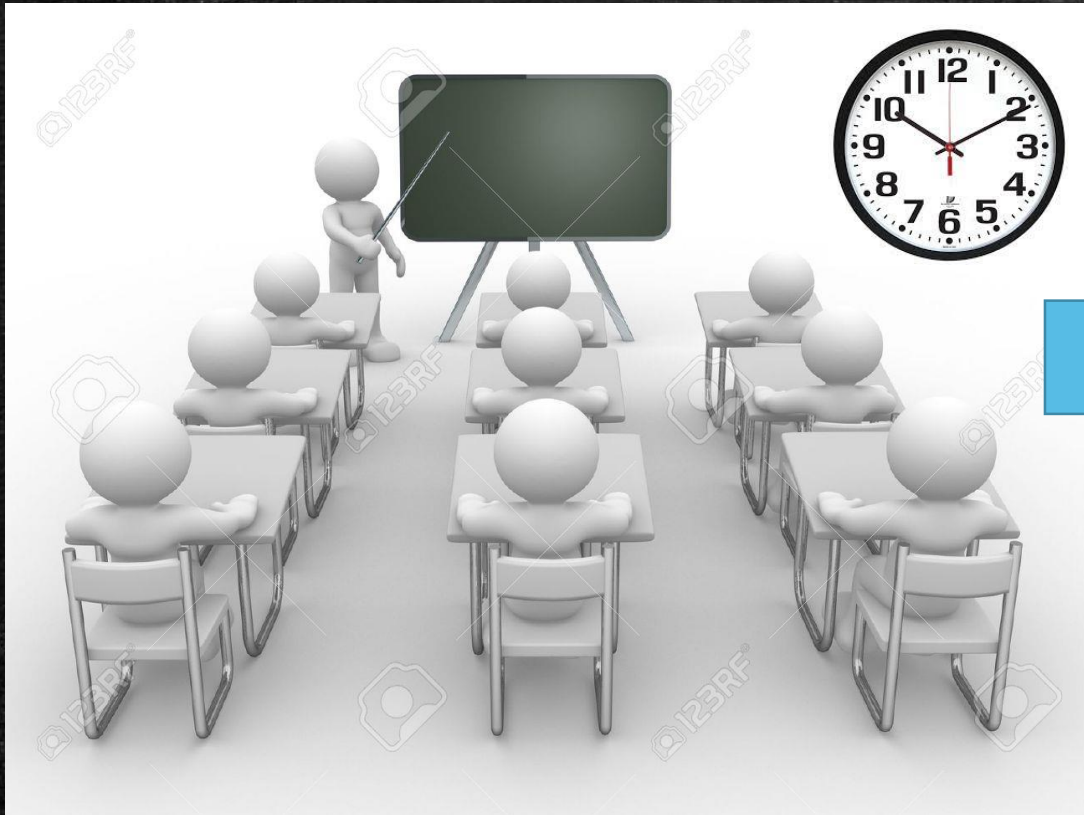
Passive



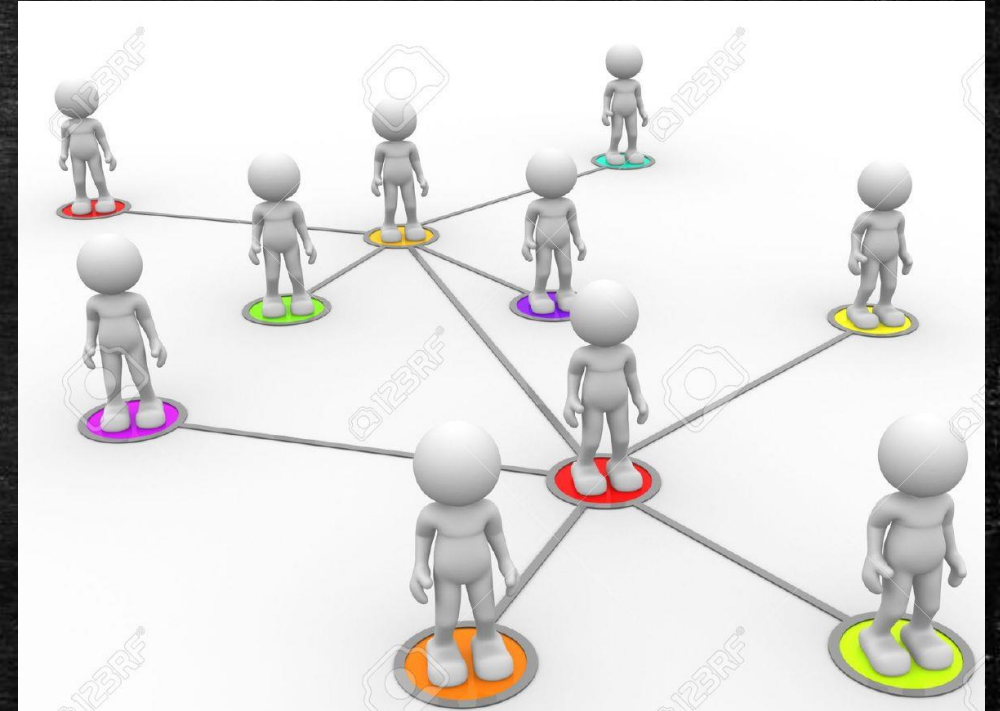
Active



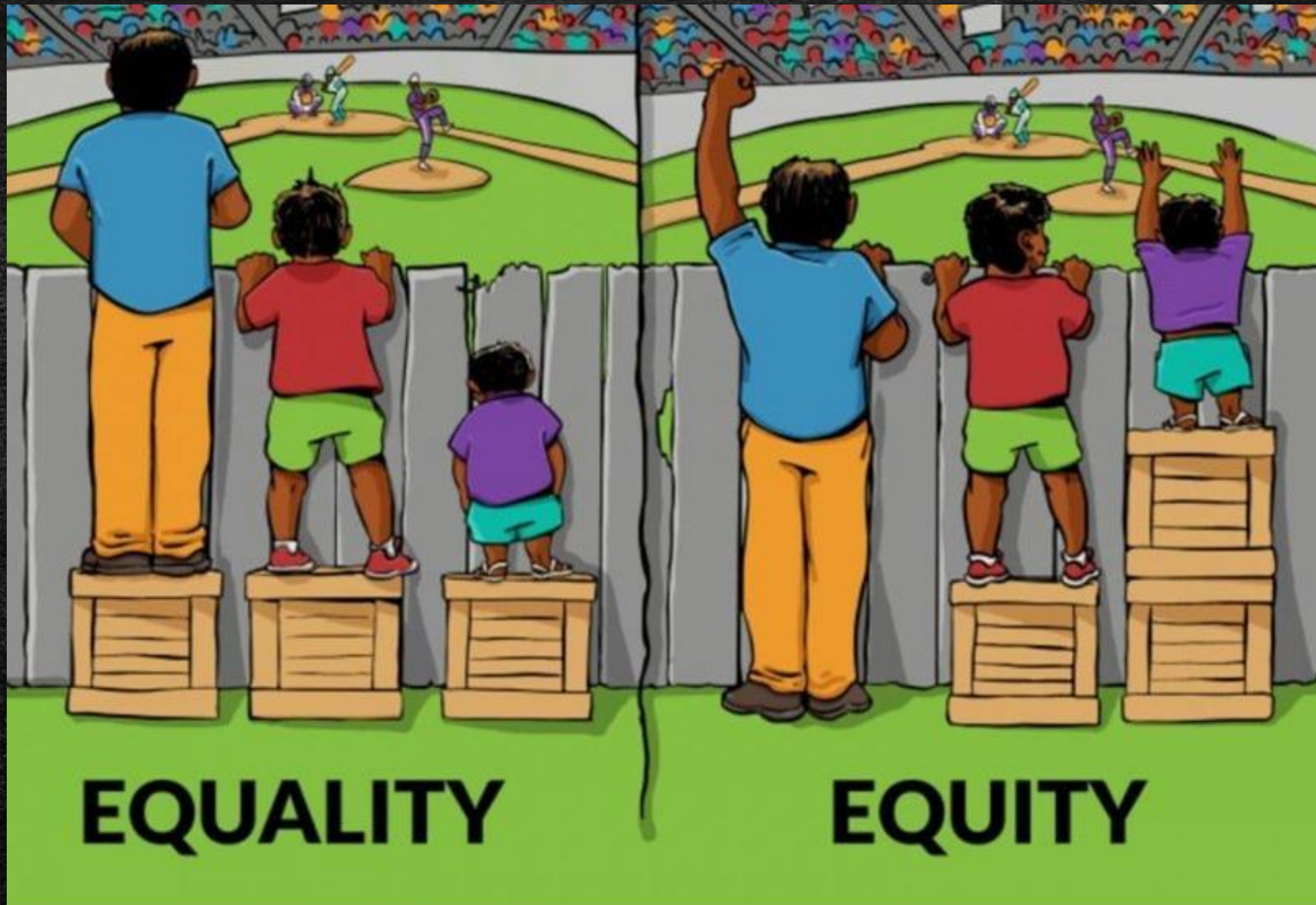
Group



Individualized



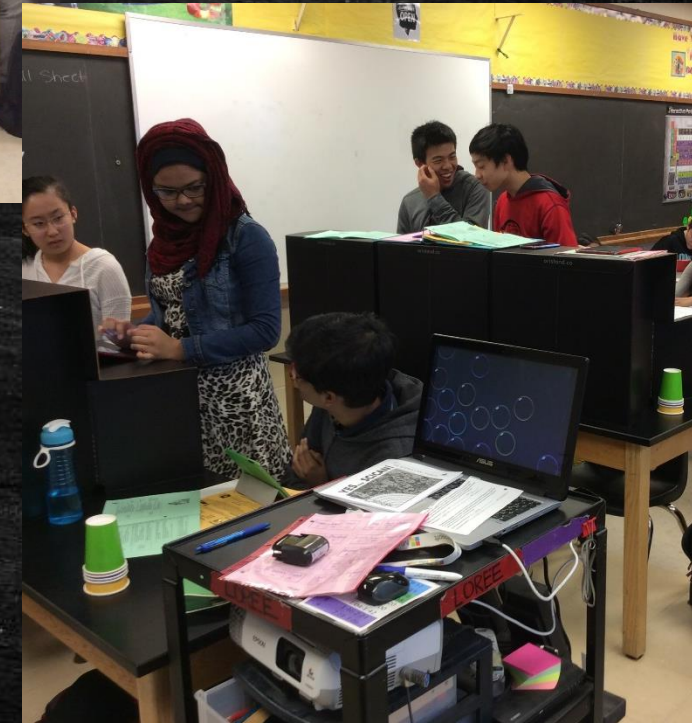
Images from www.123rf.com



Peer Connections
Active Learning Independence Feedback
Authentic Conversations Teacher Resource
Mastery Success Through Failures
Responsibility
Time Management
Engaged
Flexibility
Multiple Opportunities
Time To Practice
Student Choice
Explanations
Student Driven



What Does It Look Like...



Typical Class Breakdown

- ✓ **2-3 min**: Engagement Group Game/Activity
- ✓ **10-30 min**: Questions, Demos, Recap & Review
- ✓ **1-2 min**: Announcements (Pacing Reminders)
- ✓ **35-60 min**: Work Time
- ✓ **2-3 min**: Questions & Regroup

Flipping Allows:

- Learning at own pace
- Independence
- Increased opportunities
- Choice
- One-on-one time with the teacher
- Time management skills
- More interactions
- Extra practice
- Responsibility
- Flexibility



Name: _____

Notes and activities will be checked for completion & corrections during **Check-In**.

Topic	Objective	approx. # classes	Pacing Guide	Activities	Check-In	Mastery Check
1	Safety: <i>Understand WHMIS information and MSDS sheets</i>	1	Tues. Mar. 29th			
2	Elements, Atoms & The Periodic Table: <i>Understand the patterns in the periodic table</i> <i>Understand the properties of subatomic particles and how atoms form ions</i>	2	Fri. Apr. 1 st – Mon. Apr. 4 th			Elements
						Atoms & Table
3	Ionic Compounds: <i>Understand the relationship between chemical formulae, composition and names of ionic compounds</i>	3	Tues. Apr. 5 th – Fri. Apr. 8th			
4	Covalent Compounds: <i>Understand the relationship between chemical formulae, composition and names of covalent compounds</i>	3	Mon. Apr. 11 th – Wed. Apr. 13 th			
QUIZ: Topics 2-4: Tuesday April 19 th						

Questions, Demos, Recap & Review

✓ Focus on making connections & clarification

- Extra examples together
- More in-depth questions
- Kahoot
- Debate
- Discussion
- Acting it out



Video Lesson & Notes

- ✓ Videos need to be your own
 - DON'T need to be perfect
- ✓ Screencast-o-Matic
- ✓ EdPuzzle & PlayPostIt
 - YouTube channel
- ✓ Note Template
- ✓ How to watch a video & take notes



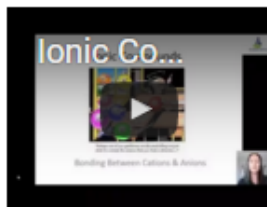
Practice & Activities

- ✓ Website: Weebly
- ✓ Choose your own adventure...

Topic 3: **Ionic Compounds** (Apr 5, 7, 8)

Guiding Questions:

1. What are the rules for naming ionic compounds?
2. What are the rules for writing an ionic formulae?
3. What types of elements are involved in ionic bonds?



Student Video Link

Note Template



Topic 3 NT
Download File

Required Activities

- **Ionic Compounds Worksheet**
- **Binary Ionic Nomenclature**
- **Ionic Compounds Worksheet**

Choice Activities - Pick ONE

- Ionic Jeopardy
- Ionic Bonding Card Game
- Ion Card Game (in class)

Additional Interesting Information

- Ionic Bonding Interactive
- Ionic Compounds Flash Cards

Extra Practice

- What are Ionic Bonds? Video
- Science Perspectives 10 textbook p. 200 #2-5,7
- Science Perspectives 10 textbook p. 200 #9
- Science Perspectives 10 textbook p. 205 #1-2
- Science Perspectives 10 textbook p. 205 #5-6
- Practice Quizzes

Check-In

- ✓ Notes
- ✓ Activities & Corrections
 - Answers posted on OneNote
 - Hand-In Some Assignments to OneNote
- ✓ Clarification
 - Notability
- ✓ Key Guiding Question(s)
- ✓ Feedback on Assignments

- ✓ Teacher Kit App



Mastery Check

- ✓ Must score $\geq 80\%$
- ✓ First attempt codes posted
- ✓ Can re-do as many times as needed
- ✓ Must complete extra practice
- ✓ Only done IN CLASS
- ✓ "Due Date" for in class time to complete



Mastery Check

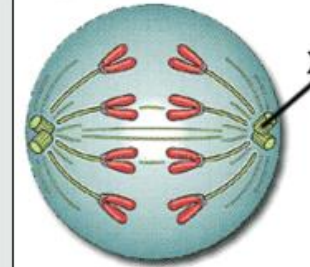
✓ [Thatquiz.org](https://thatquiz.org)

Add More Cancel Save Delete Class

	First Name	Last Name	Password	Grades
1.	A	A		1
2.	Ali	A		14
3.	Hassan	A		23
4.	Josie	A		14
5.	Noor	A		19
6.	Samavia	A		22
7.	Supreyo	A		25
8.	Anthony	B		19
9.	Loveleen	B		23

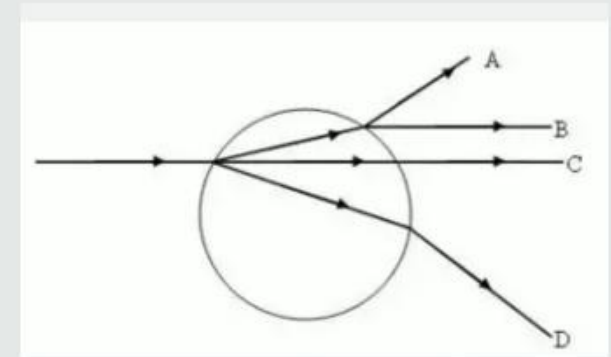
BT4: Cell Cycle & Mitosis

What phase is the cell in?



- ☐ Prophase
- ☐ Anaphse
- ☐ Metaphase
- ☐ Telophase

Refraction

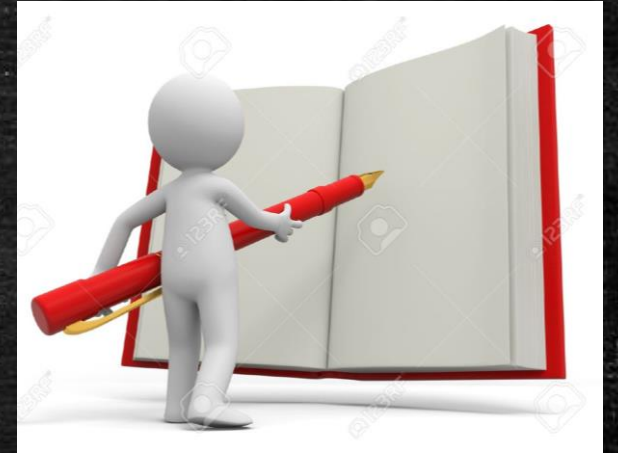


A light ray in water is incident onto a spherical air bubble as shown. Which of the following represents the emergent ray?

- ☐ D
- ☐ C
- ☐ B
- ☐ A

Extra Practice

- ✓ Worksheet
- ✓ Textbook Questions
- ✓ CK-12
- ✓ Online Games
- ✓ Board Games
- ✓ Apps
- ✓ Video with Questions (TedEd...)
- ✓ Online Reading & Follow Up Quiz



Labs, Assignments & Unit Tests

- ✓ Set Dates
- ✓ In-Class Only
- ✓ Show What You Know
- ✓ Late Test Date & Application



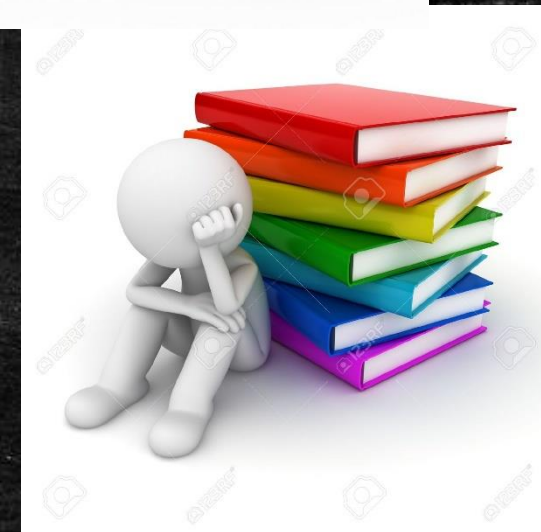
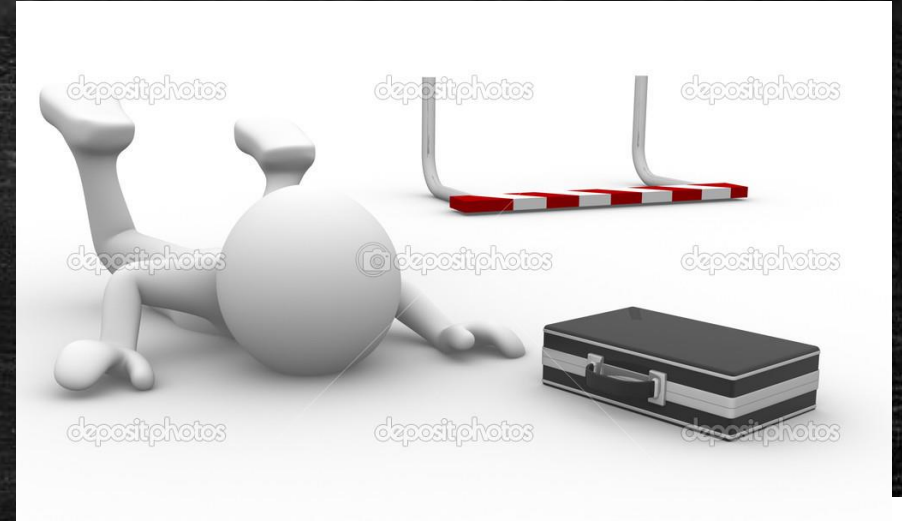
Things to Consider

- ✓ Remaining Productive - Cups
- ✓ Classroom layout
 - area for mastery checks, activities/games,
 - supplies (crafts, headphones, ear protection...)
- ✓ Expectations
- ✓ Back channel - Padlet
- ✓ What to do if students are falling significantly behind pace



Some Learning Moments... A Lot of Learning Moments

- ✓ It can work without class set of iPads
- ✓ Time management (teacher side)
 - Check Ins - too long
 - Mark Check-Ins
 - Check In before Mastery Check
 - Signing every step
- ✓ Everything on one platform (ie OneNote)
- ✓ Break down units into too many topics



Still More Learning Moments

- ✓ Mastery Check codes on paper
- ✓ Errors in mastery checks
- ✓ Paper vs. Electronic Recording
- ✓ Lab time blocks
- ✓ Activities to deepen understanding



Thank you

