

Passing the CST: Fun Activities to Help Your Students Prepare

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Background



- Moraine Park Technical College
- Fond du Lac, WI
- AAS Degree
- Max Students of 10; one cohort/year

Outcomes

- Define methods of learning
- Describe games to enhance learning
- Identify resources to improve CST scores
- Evaluate how to implement fun into your classroom

Types of Learners and Learning Styles

- Audio
- Visual
- Reading/Writing
- Kinesthetic
- Active Learning
- Peer Learning

Data: Active Learning

- Active Learning:
 - Concentration limit is between 10-20 minutes
 - Study conducted in 2013 by University of Washington Seattle

Learning
is more effective
when it is
an active
rather than
a passive
process.
Kurt Lewin

www.TheSilverPen.com

Data: Peer Instruction

- Eric Mazur; Harvard Physics Instructor
- Utilizing technique for 20 years
- Students understand nearly three times as much information
- Effective in all ranges of study



CST Weekly Study Planner

| DATES | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|-----------------------|--------|---------|-----------|----------|--------|----------|--------|
| 01/30/17- 02/05-17 | | | | | | | |
| 02/06/17- 02/12/17 | | | | | | | |
| 02/13/17- 02/19/17 | | | | | | | |
| 02/20/17- 02/26/17 | | | | | | | |
| 02/27/17- 03/05/17 | | | | | | | |
| 03/06/17- 03/12/17 | | | | | | | |

CST Examination Study Evaluation

[NBSTSA CST Examination Outline](#)

[NBSTSA CST Examination Study Evaluation](#)

Will the winners lose?

- Create two card sets
 - Scoring Cards
 - Question Cards
- Randomly select teams
- Place the scoring cards face down in the center between both groups
- Pose the first question to the first person on Team 1
 - Correct answer: pull the top scoring card to determine score
 - Incorrect answer: opposing team is presented the question; if correct, they draw from the scoring cards
- Winning team has the top score after 50 questions were asked

Source: Gary Hopkins; Education World

Survivor

- Randomly select two teams
- Three challenges; each team must complete the challenges correctly, in order
 - Deciphering a Surgical Schedule (Rogers, Boegli, LaRue, 2013)
 - Pharmacology Matching
 - What's wrong with this picture?
- Envelope
 - Contains puzzle pieces of an instrument
 - Once the puzzle is put together, they must accurately state the name of the instrument and it's use

Quizlet

Quizlet

The screenshot shows a web browser with multiple tabs open. The active tab is a Quizlet study set titled "Chapter 4 Pharmacology and Anesthesia" by user DCook0902. The page displays 134 terms and offers various study modes: Flashcards, Learn, Spell, Test, Match, Gravity, and Live. Below the study modes, there are filters for sorting (currently set to "Students") and showing study data for (currently set to "All students" and "past two weeks (1/24/17-2/7/17)"). A section titled "Often Missed" indicates that students get 0%-25% of the time on a specific question: "A drug that could be used to reverse the effect of muscle relaxants is". The answer provided is "Prostigmin". There are icons for favoriting, audio, and editing the question.

134 terms | DCook0902 TEACHER

Chapter 4 Pharmacology and Anesthesia

added to CST Study Materials, Surg Tech 2016, Surg Tech 2017 and 1 more

STUDY

PLAY

FLASHCARDS LEARN SPELL TEST MATCH GRAVITY LIVE

SORT Students

SHOW STUDY DATA FOR All students IN THE past two weeks (1/24/17-2/7/17)

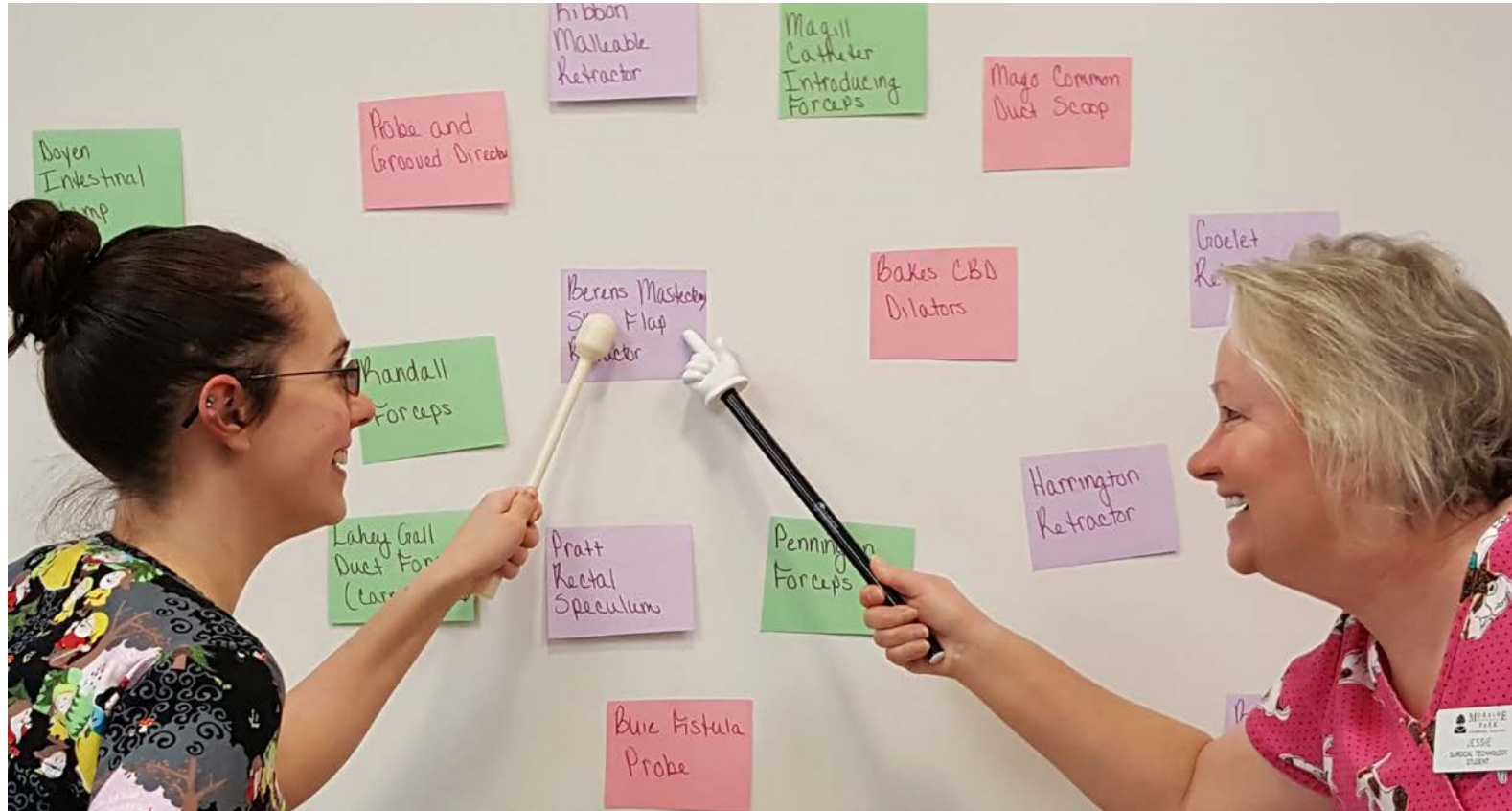
Often Missed Students get these terms right **0%-25%** of the time

0% A drug that could be used to reverse the effect of muscle relaxants is

Prostigmin

Select these 4

Slap Game



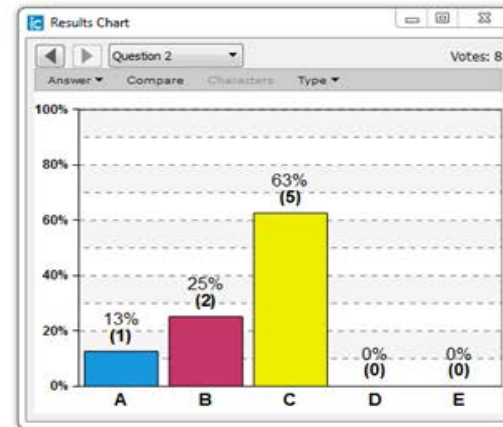
Jeopardy

| | Anatomy & Physiology | Fractures & Repair | Conditions | Instruments & Equipment | Miscellaneous | |
|--|-------------------------|-----------------------|------------------|----------------------------|------------------|--|
| | <u>10 Point</u> | <u>10 Point</u> | <u>10 Point</u> | <u>10 Point</u> | <u>10 Point</u> | |
| | <u>20 Points</u> | <u>20 Points</u> | <u>20 Points</u> | <u>20 Points</u> | <u>20 Points</u> | |
| | <u>30 Points</u> | <u>30 Points</u> | <u>30 Points</u> | <u>30 Points</u> | <u>30 Points</u> | |
| | <u>40 Points</u> | <u>40 Points</u> | <u>40 Points</u> | <u>40 Points</u> | <u>40 Points</u> | |
| | <u>50 Points</u> | <u>50 Points</u> | <u>50 Points</u> | <u>50 Points</u> | <u>50 Points</u> | |

i-Clickers

Inability to control urination is:

- A: uremia
- B: cystitis
- C: urinary continence
- D: urinary incontinence

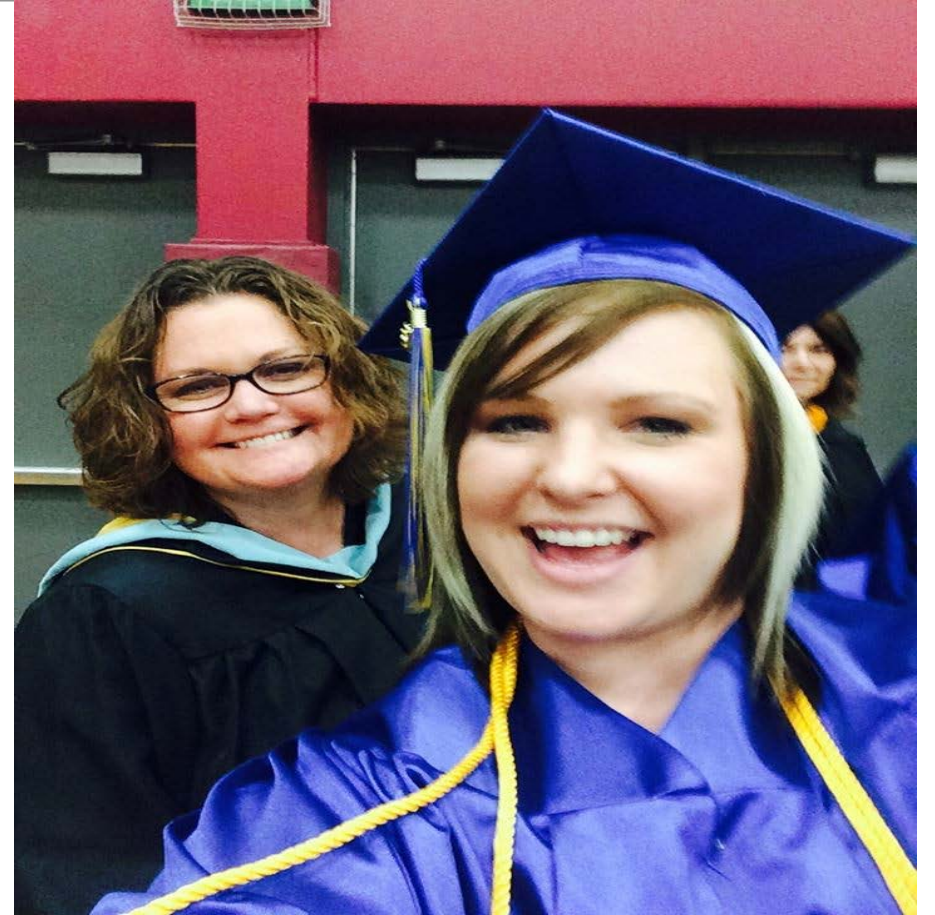


Peer Learning Activities

- Mystery Picture
- Crossword Puzzles
- Matching
- Word Search
- i-Clicker
- Jeopardy



Peer Learning: CST Study Game



Simulate Exam Environment



CST Results: 5 Year Comparison

| YEAR | NATIONAL PASS RATE | MPTC PASS RATE |
|------|--------------------|----------------|
| 2012 | 65.7% | 81.5% |
| 2013 | 71.5% | 100% |
| 2014 | 69.8% | 81.8% |
| 2015 | 70% | 75% |
| 2016 | 69.8% | 90% |

QUESTIONS?

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References

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