Rising and Running with Math Caching

AMATYC Fall 2016
Objectives:

- Participants will experience a math caching activity.
- Participants will learn different methods of implementing caching into any course.
- Participants will be provided with resources to create their own caching activity.
Activity:

Step 1
• Take an index card

Step 2
• Solve the problem on the card

Step 3
• Find the individuals with the same solution as you

Step 4
• In your new group, complete the handout together
Implementation:

- Online Caching
- Indoor Caching
- Outdoor Caching
Online Caching:

- Students search for hidden webpages on the World Wide Web!
CONGRATULATIONS
YOU HAVE SUCCESSFULLY COMPLETED CALC 2 CACHING!

Please take a sticker
Indoor Caching

- Students search for hidden problems and prizes on office doors around campus!
Indoor Caching

- Give students a Review Packet
  - Complete Before Class

- Leave one question per page blank
  - These “blank” questions will be part of the hunt!
Indoor Caching

- Give a “starter page” in class
  - Students work in groups
  - Establishes group dynamic

- Check the answer
  - Make it quick and easy to check

- Send to next location
  - Have a prize waiting as a reward
  - Candy, pencils, stickers, bouncy balls, etc
Indoor Caching

- Each location has the missing question from the review sheets
- Students need these answers to advance to the next location

Station D

Find the height of the kite shown in the diagram below.
Indoor Caching

- Use answers from each page to find the next location!
- Requires attention to detail.
- READ CAREFULLY!!!!
Outdoor Caching

- Students search for hidden problems and prizes around campus using GPS coordinates

www.itouchmaps.com
Outdoor Caching

- Similar to Indoor Caching
  - Students use answers from blank questions to find GPS coordinates of next location

- Requirements
  - Each group needs a smartphone, tablet, or laptop

- Place locations near covered or indoor locations (just in case)
Questions???
Resource:

Websites:
- http://mathbits.com/

PowerPoints will be available at the AMATYC conference app/proceedings

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