POSTERS YOU CAN COUNT ON

How to manage 25 individual research projects simultaneously

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WHAT IS COMBINATORICS?

- The material
  - Better ways to count

- The course (Math 636)
  - 25 students
  - Active learning
  - Individual Research & Poster Presentation

12,988,816
ACTIVE LEARNING

- Engaging, inviting classroom
- Think Pair Share, Groupwork
- High expectations

(Join our Experiential Learning Group!)
TERM-LONG PROJECT

THE PROJECT
Research a combinatorial question of your choosing and present your findings through a poster.

IDEA
- Apply topics learned throughout semester
- Taste of research
- Hands On = Active learning
- Experience and appreciate the diversity of our students

DELIVERABLES
- Poster
- Writeup
- Checkpoints
CHOOSING A TOPIC

- Goals:
  - Student engagement
  - Diversity of topics
- Complete freedom in topic
  - Intimidating!
  - Interests outside school
- Then hone the scope!
  - Grain of an idea
  - Experience as a researcher

RECENT TOPICS
- Running in Central Park
- Guitar chords
- Korean Drama plotlines
- Android lock codes
- World Cup Soccer
ENSURING SUCCESS

- Students *invested* in topic
- Be available. Be flexible.
- Provide structure, timeline
  - Week 7: Topic
  - Week 9: Outline
  - Week 14: Poster work day
- Poster Session during Finals Week
SUCCESS!
SELF REFLECTION

- Amazing culmination of semester

- Is there more?
  - Wider audience?
  - Research article?
  - *Should* there be more?
  - Open to *your thoughts*….

http://whatif.xkcd.com/imgs/a/14/short_answers_headscratch.png
THANK YOU!

Binghamton University Center for Learning and Teaching
- Institute for Student-Centered Learning Conference.

- My students, who amaze and inspire, EVERY TIME!

qc/pages.qc.edu/~chanusa

> Course Archive
  Plenty of Posters

> Talks
  Slides Available