

Your task is to design, implement, and report on an active learning activity.

- The design is due Wednesday October 9.
- The report is due Wednesday October 23, so the implementation must happen before then.

Subject matter:

- Those of you teaching MATH 1200 should pick a topic that you can do in your class during the week of October 14. Based on the syllabus, that means section 2.6 Transformations of Graphs or 2.7 Analyzing Graphs of Functions and Piecewise-Defined Functions.
- Those of you with SPEAK-test score under 190 will implement your activity during our 5120 class on Wednesday 16 October. You can choose any topic you like; it need not be mathematical.
- Those of you who are not teaching MATH 1200 but have a SPEAK-test score 190 or above can choose to either implement it in the MATH 1200 class of one of your peers (with their permission and coordination) or during our 5120 class. Let me know if you are going to do it in 5120.

How active?

- We will discuss some active learning strategies in class. Choose (or create) something that is distinctly more active than what you usually do. It should be at least 10 minutes long.

The design document:

Describe the activity in sufficient detail that someone else could use it. Include any handouts or other materials you will use. Some points to consider:

- How much time will the activity take? How do you know when to stop?
- What are the learning objectives of the activity?
- Why did you choose to organize it the way you did? (For example, why did you choose groups of 3 and not 7?)

The implementation report:

Describe how the implementation of this activity went. Some points to consider:

- In what way(s) was the experience different from what you planned?
- Do you think the students learned/understood more through this activity? What evidence do you have?
- Did the students resist doing the activity or enjoy it?

Based on this experience, discuss what you would do differently next time. Revise and resubmit your design document to include these changes. (We can distribute the best activities to future teachers.)