

Proposals for Teaching the Lower School

Give the other members of your group your email and telephone number!

Each **group** should write a proposal to be turned in by the end of the day Monday. Be sure to share the workload well throughout your group. I would recommend that you split up sections for each person and decide which ones you want to outline together. They should end up being about 2 pages double spaced but if it takes more or less pages to **adequately** describe what you are doing that is fine.

Abstract: The summary version, what your group is going to do in a nutshell. This paragraph should be straight to the point, have no fluff, and get people excited to read on. It also serves to focus your project and the rest of your proposal.

Plan: What is your general plan for teaching this material to the kids? How are you going to keep their attention, intrigue them and keep them focused on what you are teaching? What objects or activities have you planned to keep them involved? What questions should they be thinking about along the way? How will you address those? Be sure you have a clear progression planned.

The Machinery: What is the math behind this? This should be more in-depth than what you plan to teach. Showing that you understand the full math behind something will help you answer difficult questions. You can hand write this section to make it easier expressing formulas and diagrams.

The Table: How is your table going to be set up? What pictures, puzzles, games, etc are you planning to use? This should be reasonably well thought out and finalized after we get back from the Exploratorium.

To do list: What materials do you need to build your table? What other things need to get done before you give this presentation? Put goal dates on these and stick to the plan. Keep in mind that we only have a week and a half to get these whole things done! **Everything that will be on your table needs to be finished by Monday, December 10th.** So make sure you don't bite off more than you can chew.

Groups are as follows:

Tessellation – Daren, Ellen, Raisa

Arithmetic with objects – Anjuli, Lisa

Moiré Patterns – Aaron, Aisha, Colleen

Logic and Math tricks – Austin, Josh, Peter, Yining

Probability – Chris, Elizabeth, Sasha

Math Card Tricks – Kathrin, Linda, Mike

Geometry – Aren, David, Ryan