

For this project, your group will create a poster about a math puzzle, game, or some other approved topic (consult with Rebekah if this is what you want to do as some guidelines will differ) and present this poster during our class poster session. Your poster and presentation should cover

- the history of the game/puzzle/topic
- an explanation of the game/puzzle/topic
- in the case of a game/puzzle, an analysis of the game/puzzle; in the case of another approved topic, an explanation of the mathematics involved
- some variations of the game/puzzle—either that already exist in the world or that you create yourselves
- a physical copy of the game that you create so that others can play the game
- an explanation of the desires and virtues explored in *Mathematics for Human Flourishing* that you experienced as you studied this game/puzzle/topic

On the last day of class, *Friday, February 28*, during our normal class time, we will present our posters in an all-class poster session. Everyone in your group should be able to give a 3–5 minute presentation of your project, highlighting things from your poster and explaining the topic to your classmates. If you are all standing at your poster when someone arrives, you should share the presentation equally; if one of your group is looking at other posters when someone arrives at your poster, you should be able to give the presentation individually.

Projects will be graded on the mathematical content involved (relevance, accuracy, completeness, and depth), the aesthetics of the poster (attractiveness, arrangement, logical flow, ease of navigating for readers), the presentation (clarity, organization, coverage of material), and the contribution of group members. Note that your poster must include references and follow academic integrity standards.

Each group member will fill out a rubric evaluating themselves and their group members on their contributions to the project.

Project Steps

1. Meet with your group and choose a project topic.
2. Check that no other group has already chosen that topic and sign up for your topic on the signup sheet.
3. Research your topic (includes creating a game board and playing your game several times/doing your puzzle). Start early on this so you can get good sources—the Houghton librarians are extremely helpful if you need help!
4. Talk with Rebekah as you research when you have questions.
5. Plan and create your poster (come get a poster board from Rebekah if you don't want to supply your own) early enough to make it beautiful and complete.
6. Practice your presentation with your group so that you're all comfortable giving it.
7. Bring your poster and accompanying items (game board and pieces, puzzle replica, etc.) to the poster session.
8. Have fun sharing your exploration and learning about others' projects!