Format for a presentation poster (but we can follow our own format if this one is too constraining):

1. Abstract
2. Objectives / Introduction
3. Literature Review
4. Materials / Methods
5. Results
6. Conclusion / Discussion
7. References:

William C. Arlinghaus. The tantalizing four cubes. In John G. Michaels and

Kenneth H. Rosen., editors, Applications of Discrete Mathematics, chapter 16.

McGraw-Hill Higher Education, 1991.

1. Acknowledgement:

Thank you to Dr. Satyanand Singh, Assistant Professor of Mathematics, City Tech, for the inspiration for mathematics research and dedicated guidance in this project.

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Other suggestions & ideas:

- For the “Applications of Graph Theory and Combinatorics”: select some topics from this list <http://www.mhhe.com/math/advmath/rosen/r5/instructor/applications/>

“the topics … are grouped into three overlapping categories: discrete structures and computing, combinatorics, and graph theory.”

- Online template for posters (36 x 48): <http://www.posterpresentations.com/html/free_poster_templates.html#trifold> (there can be other sites but this is the site I went for my Ozanam’s poster)

- Desired deliverables for “Display to User”:

* Generate a master graph *(research Maple?)*
* The actual solutions: pass in colors to 4 main faces of each cube. Cubes are lined up horizontally. *(research how Java can extract letter from returned graphSolution, return the color value, then fill it into squares)*

*(a suggested idea: set the first subgraph in each graphSolution to determine 2 opposite faces e.g. front-back, and the second subgraph to determine 2 others e.g. top – bottom; a color filled in Front of the previous cube(s) will have an excluding effect on the Front’s color of the remaining cube(s)* )