

Optional Essay Assignment For Liberal Arts Math

Since many students have expressed an interest in doing additional work for the course, I'm offering the following optional research activities which would count as an additional test/homework assignment and would be included with your grade evaluation if your score raises your overall average.

Choose a topic from the following list

- Interesting Applications/Variations/Algorithms for solving the Travelling Salesman Problem
- Interesting Applications/Variations/Algorithms for solving Scheduling Problems
- Fibonacci Numbers and Pascal's Triangle
- Apportionment in the US House of Representatives
- Dynamic/Adaptive Huffman Coding
- Secret Encryption with Public Keys
- TesselMania Deluxe Software and How it Works
- How To Draw Escher-Type Tessellations
- Penrose Tiles

The paper should be written in MLA format and contain at least 4 pages of double-spaced original writing. All sources must be cited and any plagiarism will entirely disqualify your effort.

To be successful, you'll need to reserve almost as much time as you should have for one of the 4 modules of the course, so don't commit to the assignment if you don't have the time