

Assignment #7

1. Read Chapter 4 of *Beyond the Third Dimension*. Make careful note of items and details that you don't understand yet. In class we will discuss how to do some of the calculations for both cross-sections and projections.
2. Begin working in earnest on your course project. These should be completed by Wednesday, April 6. This prevents having the deadline too close to the end of the semester, when everything tends to intrude on your time. The project should have a visual component that is not only designed for functionality, but is also aesthetically/artistically pleasing. You should also prepare a well-written description of the project, 5–10 pages for the body of the description, clearly describing the nature of your project, the mathematics that is being conveyed and/or used, and comments about implementation (how you did what you did). Follow proper guidelines for citations/bibliography. Projects and descriptions will be posted for public consumption.
3. Read Section 12 of my course notes. Search for various websites that help you visualize the four-dimensional regular polyhedra and email them to me for posting. Review the Zometool notes that were handed out in class that relate to four-dimensional polyhedra.