
This project will be due at the end of the semester, with a specific date to be announced. You should work on this project as the semester progresses. This project will collect all of the information you have gained about your pet knot throughout the course of the semester. The format of the final report is open - you should just have fun putting all of the required information together!

The report must include:

- A projection of the knot
- The unknotting number of the knot, including all work needed to convince the reader that you have found the unknotting number
- Whether or not your knot is tricolorable, including all work needed to convince the reader that you have examined tricolorability
- The Dowker notation for your knot
- The Bridge number of your knot, including all work needed to convince the reader that you have found the bridge number
- The crossing number of your knot, including....
- Whether your knot is a torus knot, a satellite knot or a hyperbolic knot
- The Alexander polynomial for your knot, including....
- the HOMFLY polynomial for your knot, including....
- Other items as discussed throughout the semester

Remember, this list may be expanded as the semester progresses.