How and where we cast our votes play a fundamental role in democracy, and the way these issues are decided can have an effect on the outcomes of elections. We will focus on the process of how congressional districts get their shapes, and the political decisions and legal restrictions that guide how different mathematical tools are used. First, the Census Bureau must count where people live, and then Congress must apportion a certain number of representatives to each state based on that data. Finally, the states draw their district boundaries. This may be done for different political purposes and in ways that may or may not seem “fair” to every interested voter. The class leads to a final project creating a new redistricting plan for Virginia’s representatives in Congress.