

Team Number:

School Name: San Juan College Highschool

Area of Science: Biology

Project Title: Exploring E-Coli

Problem definition:

E-Coli is a disease that spreads rapidly throughout a community. We would like to accurately as possible define how E-Coli spreads throughout a community with varied health precautions.

Problem Solution:

I'm going to create a simulation of how E-Coli spread through a community using NetLogo. I will use accurate death rates and recovery rates to create a near perfect simulation of E-Coli spreading through a community that has varied health precautions.

Progress to date.

Presently a basic skeletal work of a disease simulation, there are a few bugs with it here and there that I am working to fix. Once I have the skeleton of the project debugged, I will start in putting research data into the program.

Expected results:

Hopefully this program will assist in the progress of disease research and predicting. Making the future world and easier and more healthful place to live in.