

Worthing Outreach Program Summary: September 28, 2005

Today was a warmup. The students were given a small taste of what was to come for the year. The day began with snacks and introductions. Then we got down to business.

The Game of Life demonstration was a simple model involving the life and death of squares on a grid. Only squares with 2-3 neighbors lived while others died. The game can be compared to a bacterial culture where overcrowding or not having enough neighbors could result in the death of a cell.

The digital camera lesson showed how simple mathematics could produce a relatively clear photograph using much less memory than usual.

The paper, scissors, rock demonstration shed light on probability and game theory.

Coming Attractions: Next week will be an introduction to vectors and matrices, and how to implement them in MATLAB.