

1046-X1-1235 **Mary Ann Connors*** (mconnors@wsc.ma.edu), Department of Mathematics, Westfield State College, Westfield, MA 01086. *Modeling the Spread of a Disease.*

Can you use your mathematical skills to model the spread of a disease to make predictions about how long it will take before an entire population is infected? This session will present a way to simulate the spread of the disease and come up with possible solutions and predictions. We will investigate the problem using derivatives and ordinary differential equations. (Received September 15, 2008)