Name_____ Period _____ Date _____

Flu Transmission

STEM Sims

Lesson 7: Stopping Influenza

You have previously investigated a variety of ways to stop the spread of influenza through a school population. Now the question is which method is most effective?

Doing the Science

1. You must have completed the previous six lessons in this module before you complete this lesson.
2. Return to your data from the first six lessons, and for each protection method calculate the percentage of infected students out of the total population. To complete this calculation, divide the total number of infected students at the end of week 6 by 120 (the total population of students in the school). Multiply this value by 100 to convert it to a percentage. Enter these data into Table 1.

Table 1.

Method	Percentage of Infected Students
None	
Hand washing	
Sanitizer station	
Antibiotics	
Masks	
Quarantining	

Do You Understand?

1. Based on your results, which influenza protection strategy was most effective?

2. Which influenza protection strategy was most intrusive? Which strategy was least intrusive?

3. If there were a real influenza outbreak at your school, which strategy would you recommend to your principal to stop the spread of the illness? Please explain your response.