Name:
Due Date:

College & Career Awareness
Health Care Pathway
That's Sick!
Cycle: Interdependence

Overview: As we wrap up our exploration of the healthcare pathway, you will be assigned to a team in which you work to figure out what caused an epidemic (a localized area that gets sick at the same time.) You will get to work in your team to determine your job title and responsibilities. You will collaborate to organize & interpret data to solve the mystery of the epidemic. After your team has reached a conclusion, you will create 2 public announcements to educate the public about how to prevent this illness from happening in the future as well as one informational ad to highlight a career encounter.

Essential question: How does your team demonstrate interdependence as they do their separate responsibilities in solving the mystery epidemic?

Terms: food-borne illness, virus, bacteria, parasite, feces, ingest, epidemic, epidemiology

Procedures
Day 1

___Participate in a musical chairs scenario with the needed vocabulary for the project.

___ As a team, fill out the job title & responsibility form so that each member of the team has a job.

___ As a group, research 15 illnesses.

Botulism, C. Jejuni, Carbon Monoxide Poisoning, Cryptosporidium, E. Coli, Ebola, Hepatitis A, Lead (Pb) Poisoning, Listeria, Mercury Poisoning, Norovirus, Pinworm, Salmonella, Staph, Toxoplasmosis

Use the card template on the next page as your format for each illness:

Illness name	Type of illness: bacteria, virus, parasite, or toxin

- Incubation time: (time it takes for someone to show symptoms after exposed
- Symptoms
- Cause of the illness or how it spreads
- Other nuggets of knowledge you found interesting

___ Present your information cards to the team's Medical Scientist. Think as a team how to best organize these cards.

Day 2

___ Review patient interview transcripts and gather the following information:

- What are their symptoms?
- Where have they eaten in the past few days to a week?
- What did they eat?
- Who was with them?
- Has anyone else who has been around them gotten sick?
- If they have, did they eat at any of the same places or eat any of the same foods?

___Organize the interview information into a spreadsheet or other format so that it can be easily evaluated.

___Narrow down any restaurants or common places where patients ate.

___ If possible, identify the likely place or origin for the epidemic.

___Find out who was working at any of the suspected restaurants at the time the patients were eating there.

___ Review employee interview transcripts to find out:

Who was working on the day(s) in question?

Have they been ill recently?

Do they have a current Food Handler's Permit?

Did they practice proper hand washing and food storage/preparation?

What food did they handle during the week in question?

___ Evaluate all data to determine what caused the epidemic

Using your data you have collected:

What illness caused the epidemic?

Where did it start?

How did it get to the patient?

How can we prevent it from happening again?

Day 3

___ Create a public service ad to help prevent this type of epidemic in the future. Adds can be billboards, radio ads (less than 1 minute), TV ad (less than 30 seconds), or Internet ads

___Bonus: If you have finished your ad and have time remaining, create a 1 page promotion for a career related to the mystery you just solved. (Think of all the people who could be involved in solving the case, not just the jobs assigned to the team.)