Pizza and Pathogens
Lesson 2

Required Materials
- PowerPoint slide show for Lesson 2
- Articles on different types of farms for each group
- Optional: Video on Farm-to-Table by Lantern Fish Media

Preparation
- Print an article for each group
- Request necessary media equipment for screen and laptop
- Have PowerPoint set up before class
- Optional: Have web browser ready with Farm to Table video loaded

Introduction
Have students get out homework and go over misconceptions. Address any issues they may have had. Use PowerPoint slide to go through each step in the farm-to-fork continuum.

Question
Where does this journey of all our food begin though? Discuss. Ask students about their ideas of what farms are like. Say: Not all farms are the same size or grow the same things.

Jigsaw
Introduce the activity by explaining that they will be split up into three groups and given an article. Each group will read the article carefully and pick out things that describe their size farm or other things they think the class may be interested in hearing about.

After they had all reviewed the article, split them into groups of three. Have the students discuss the different farms they learned about amongst their group. Or have volunteers from each tell the class about something they learned about their kind of farm. Have the PowerPoint on whatever slide corresponds to their size farm.

Pizza and Pathogens teacher's resources can be found at AUDFS.eng.auburn.edu.
Resources sponsored by Auburn University's Center for Detection and Food Safety in Auburn, Ala.
Mission Impossible
Next, introduce the mission for the groups, either groups of 7 as before, or the new groups of three. Explain the information on the slide, and get the students to write out on their own paper what their strategy is to save their tomato crop from slowly being contaminated by a runoff creek from a neighbor’s farm, which is infested with E. Coli. Explain that E. Coli is not like mold, you can’t see it. That means they would have to do special tests to find it, which they have done. Now they get to use their imaginations and figure out how to stop the contamination, but still provide a water source for their tomato plants. Choose a winner if you prefer or have students vote.

Extension Activity:
Farm-to-Table Video by Lantern Fish Media
Say: Now that we have conquered our contamination problem, let’s visit a small-to-medium sized farm. Play the video. When it’s finished, ask the student’s about their observations if there’s time. If not, inform the class that tomorrow they will learn where the tomato visits next in his journey to become pizza sauce.

Resources
Video: http://vimeo.com/39265191