Virtual Kids Day Activity

Bioforensics

Why are the Strawberries Making People Sick?

Watch Video
Virtual Kids Day Activity – Bioforensics
Why are the Strawberries Making People Sick?

There are three strawberry farms in the area:
Farm 1: Olive Oppenheimer’s Organic Orchards
Farm 2: Radioactive Randy’s Ripe and Rustic Road-stand
Farm 3: Sandia Sandy’s Scrumptious Strawberries (and Watermelons)

Oh no - People are getting sick from the strawberries!

Put on your lab coat on and goggle and follow the activities DNA extraction and sequencing, microscopy and separation science to find out which strawberries are causing the illness, what microbe is responsible and are these farms telling the truth about their pesticide use?

Each farm grows a different type of strawberry:
Olive grows: Oblates
Randy grows: Long Conics
Sandy grows: Long Wedge

All the farms say they are organic and pesticide-free, are they?

Which microbe is responsible for the illnesses?

Press the microphone
Investigation Card!

Throughout the investigation, keep track of:
1) Which farm your strawberry was from?
2) Were pesticides used?
3) What microbe is on your strawberry?

Farm 1: Olive Oppenheimer’s Organic Orchards
Farm 2: Radioactive Randy’s Ripe and Rustic Road-stand
Farm 3: Sandia Sandy’s Scrumptious Strawberries (and Watermelons)

Parathion Present
-or-
Pesticide-free

E. coli
Salmonella
Giardia

Press the microphone