# Bacterial Growth in Runner's Shoes

Spoon, Hanna (School: St. Clair High School)

The purpose of this study was to explore bacteria growth on runners’ shoes. Part one of this experiment aimed to determine how many bacteria grew in running shoes before and after running. In this experiment, the runner’s shoes were swabbed twice to pick up traces of bacterial growth on the insoles of the shoes. The second portion included placing multiple runners' shoes in two different locations. After analyzing the results, three out of the five subjects’ shoes grew antibiotic-resistant bacteria.

**Awards Won:**