PROPOSAL

TEAM NUMBER: JMS60

SCHOOL NAME:     Jackson Middle School

AREA OF SCIENCE: Health

PROJECT TITLE: Dengue Fever After Hurricane Harvey

TEAM MEMBERS: Gwenevere Caouette (gweniebear231@gmail.com)

Kyreen White (hellu.kittycat2004@gmail.com)

SPONSORING TEACHERS: Karen Glennon

          Sharee Lunsford

PROJECT MENTORS: Patty Meyer

          Nick Bennett

THE PROBLEM:  Just recently Hurricane Harvey hit the United States of America, specifically Texas and nearing states. With the hurricane being so close to New Mexico it got us concerned. Then we thought about what happens after hurricanes hit, and we got even more concerned. We’ve come up with the question of what happens to small towns and the impact of disease on small towns due to Hurricanes and the water left behind.

RESULTS WE HOPE TO GET:   We have done some research to get a better understanding of what diseases occur after hurricanes. We thought of a couple of concerns based on the fact that mosquitos tend to be near water. The one disease we thought would have the most impact due to water and mosquitos is Dengue fever. Dengue fever is a disease that you can get from a mosquito and can grow near water that is stagnant.

PLAN OF ACTION:   The way we want to solve the problem is finding how mosquitoes spread based on Dengue Fever. We also want to know how the disease spreads over time after a hurricane that leaves large amounts of water. Our hypothesis is that we think Dengue Fever spreads enough to spread and impact huge populations.

CODING:   Our coding is going to show the spread of disease from person to person, and the effects on people. It will also show one person being stung by a mosquito and a variable of people who get the virus.