School Name: Desert Academy

Team Number: 3

Team Members: Rafael Valenzuela, Ethan Garcia, Robin Menetrey

Sponsoring Teacher: Mario Ruiz

Project Mentor: Stephen Guerin

The problem: The problem we're evaluating is the fact that the phases of the moon can affect tidal waves and we want to educate people about this.

Area of Science: Galactal/ Earth science. Oceans.

Why this is important:

This is important because we want to see why and how this happens and how it could greatly affect waves.

What we hope to show (results we hope to obtain):

We hope to show that the moon affects the moods of the waves can differ depending on the moon's phase.

Plan of Action/Methods (How we plan to work on it):

Using netlogo, we will design a model of a moon affecting the waves of the ocean. We will set the moon up and then we will code it to change (as it does in real life) when the moon goes away.

Progress

We have already made the shape of a moon for each different phase. We are still trying to figure out how to make waves. We tried using some models from the models library as reference.
Sources: [Phases of the moon link](#)

[link #2](#)

[link #3](#)

[link #4](#)

[link #5](#)