

Possible Mid-Term Report

Includes majority of the Proposal, but some things have been added
Please review document, Take out or add anything you feel necessary

Team:

School: New Futures School

Project title: Floating Balls and Channels

Area of Science: Biology/ Environmental Science

Definition of the problem:

In last year's problem we researched shadow balls and how they improve evaporation levels in the bodies of water that they are being used in. We are experimenting to learn and model the best way to reduce evaporation rates in still bodies of water. We understand that, in drought years, 78% ⁽¹⁾ of water used in New Mexico is used for farming.

Our plan for solving the problem computationally:

We have determined, after meeting with the scientists in Socorro, to try to apply netting around the shade balls and anchors to hold the shade balls and netting in one place. We are still using Netlogo as our mode of visual representation. We also have determined to think of a still area of water, of a size similar to Chociti Lake.

Progress We Made up to this point

- Using google docs, to allow everyone to work on the documents freely.
 - Also everyone is using own text colors, to demonstrate the progress and changes that have been made.
- Developed our own calendar, to keep all members informed of important school events, team meetings, and challenge events coming up
- Now separating work to be done and are meeting on weekends for at least two hours, give or take.
- Our team took a month break from our project, to try to regroup our ideas, but now are again re working together.

The results we expect:

At this point we do not know or have an idea of where we will take our project. We have made determinations of changing factors within our project and are not to clear about how to test these new ideas. We are not sure of our out come will be, but by mid-January we should have a better understanding to what we want to do and what changes to make.

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