

Project Status Report: CEE-2018CPST-010

Report Date: 03/11/2019

Team: Los Hermanos

Members:
Project Title: Asian Clams Report # 17

1) Summary of technical/non-technical challenges encountered

Technical:

- Determining when a clam is alive and when its dead
- Figuring out video camera functions to record movement of clams to confirm them being alive
- Changing up the experimental process by assuming that movement is what confirms the life and death of a clam

Non-technical:

- Finding camera equipment like tripod, clamp and time-lapse app to aid the experiment

2) Team approaches & resolutions to overcome challenges

Solutions:

- Bought sand to observe if a clam will dig itself a pit due to movement
- Camera have been borrow to record the fish tank over a period of time
- Contacted with Dr. Miller to explain our testing procedure ensuring no illogical conclusion are reached in the experiment
- Did an extra team meeting to layout the new way to do the experiment using cameras

3) Status of challenge resolutions & potential project impact

- Figuring out how clams move over a period of time
- Seeing if the resolution of camera is good enough to see the small movements of the clams
- Changing up the spreadsheet since new metrics have been included
- Ensuring that exact measurement of EarthTec is given in the tanks

4) Project status & summary

- Cameras, equipment and tripods are arriving and will be used shortly
- Sand is included to better observe the clams when the cameras are offline
- Starting to collect data and finding correlations and causations
- The team is about to start making posters to present the main ideas of project