

## CALIFORNIA STATE SCIENCE FAIR 2012 PROJECT SUMMARY

Rosario Arias; Angel Padilla; Jackelyn Sanchez         Project Title         Aguatic Voyager         Objectives/Goals         Our project is to build a submersible Remotely Operated Vehicle (ROV) to p and Rescue teams in their attempts to save lives.         Methods/Materials         To obtain the materials that would be subject to underwater pressure and ter navigation and viewing of subjects. The materials consist of ASB/PVC pipe device, bilge pumps to act as motors to propel the unit. Cat5 cabling to prov A recording device to record expeditions. Using the Engineering Design Pr brainstorming ideas, proposing solutions, and developing a prototype, we th feedback from community partners and choose a working model. Testing at team members has further developed the project.         Results	source assistance for Search nperature differences for e, servo motors, radio control vide power and video output. ocess of defining the problem, en proceeded to receive ind continues feedback from
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<ul> <li>ROV navigation made it possible to view subjects underwater and navigate changed to endure colder temperatures and dive deeper.</li> <li>Conclusions/Discussion</li> <li>Stronger motors are being installed to navigate rough waters, but the concep hypothesis and goals. In recent marine catastrophes, building our knowledg necessary in order to save lives. Have equipment ready to assist divers in a</li> </ul>	calm waters. Motors will be at and results do match our of ROV technology is timely manner is necessary to
Summary Statement Manufacturing a Submersible Remotely Operated Vehicle that is able to ass Personnel in their water rescue attempts	ist Search and Rescue