

Savannah Science Seminar

Engineering Technology for Ocean Exploration (Biomimicry Design)



Biomimicry:

Biomimicry is an approach to innovation that seeks sustainable solutions to human challenges by emulating nature's time-tested patterns and strategies. Animals, plants, and microbes are the consummate engineers. After billions of years of research and development, failures are fossils, and what surrounds us is the secret to survival. <https://biomimicry.org>

Gray's Reef Southeast Regional MATE ROV Competition

The Southeast Regional MATE ROV Competition hosted by Gray's Reef National Marine Sanctuary will be held:

When-

April 22, 2017
8AM – 4PM

Where-

Chatham County Aquatic Center
7240 Sallie Mood Drive
Savannah, GA 31406

For registration information, please visit:

<http://graysreef.marinetech2.org/>

Monday, January 9, 2017 (7pm - 9pm)

Savannah Christian Prep

- 7:00 Welcome and Introductions
- 7:15 Explore Your National Marine Sanctuary
- 7:40 Biomimicry in Engineering Design
- 8:00 Team Assignments and Selections
- 8:30 Engineering Design Visioning

Tuesday, January 17, 2017 (6pm - 9pm)

Oatland Island Wildlife Center

- 6:00 Engineering Design Development
- 6:30 Building ROV Frames
- 7:30 Soldering Electrical Wires
- 8:15 Team Presentations

Monday, January 23, 2017 (5pm – 8pm)

Chatham County Aquatic Center

- 5:00 Splash Down
- 5:30 Ballasting and Buoyancy Control
- 6:30 Piloting and Navigation – ROV Challenge