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Socastee Team and ROV Specs

School Name: Socastee High School

Home State: South Carolina

Distance Travelled to the international competition: 4698mi

Team Socastee (competed in 2008 regional competition in Savannah, Georgia):

Team Members:

1. Kirtan Patel- New Member (Junior) - engineer
2. Stephanie Hetzer- New Member (Sophomore) - pilot
3. Meg Oshima- New Member (Junior) - engineer
4. Douglas Warstler- New Member (Senior) - pilot
5. Hunter Robertson- Returning Member (Senior) - engineer

ROV name- SEA

Total Cost: \$562.90

Primary material used in construction: PVC

Approximate dimensions: W: 58cm, L: 76cm, H: 29cm

Total Weight: 45.1N

Safety features: Fuses for electrical wiring

Special features:

- PVC arm was used to pick up and move underwater objects.
- Five bilge pumps were used on the ROV, four worked as thrusters for movement and one for water displacement for the “crustacean collection” task
- The caged area was used for the holding of “crustaceans”
- A hydrophone was used for sensing the active vent.

