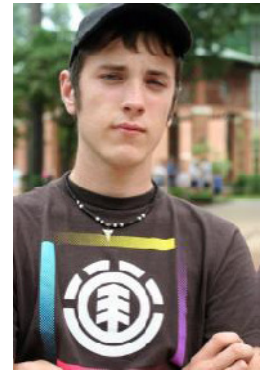


School Name: Sea-Tech 4H Club

Home State: Washington

Distance Traveled to International Competition: 2,665 miles

Team Eclipse is a returning Explorer competitor with a new ROV. Four of the eight team members have competed internationally in the past, while the remaining four have participated in the Ranger Class. Their education ranges from the 9th grade to college level.



Trevor Uptain,
team captain

Team pictured from left to right: Stanley Janicki, Joe Thieman, Benjamin Janicki, Keegan McAdams, Miranda Uptain, Heather McNeil, and Peyton Hasenohrl

The total cost of ROV Eclipse, including all donated parts, was \$9,640, of which \$5,905 is donated. The primary material used for construction was aluminum, along with carbon fiber for the shell. The dimensions of the ROV are 61 cm X 31 cm X 28 cm. It weighs in at 44.5 kilograms.

Safety features:

- All thrusters are protected by guards and ducts
- Warning labels are placed near any moving parts
- Handles are attached to the rear of the ROV for safe launch and retrieval

Special features:

- Fly-by-wire system
- Bench top arm controller
- Carbon fiber composite shell

