



O'Donel High School

Design, Develop, Demonstrate, Deploy
Mount Pearl, Newfoundland and Labrador, Canada
7,231.3 Kilometers to International Competition

Staff Member	Role/Responsibility	New/Returning	Grade
Abygail Pike	President, CEO, Safety Officer	R	12
Joshua O'Keefe	Tether Manager, CFO	R	12
Keeley Flynn	Electronics Consultant, CTO	R	12
Lucas Verge	Tool Design and Development	R	12
Emma Wyper	Graphic Design	N	12
Joshua Mosher	Marketing and Research	R	12
Michael Chislett	Science Officer, CCO	R	11
Ian Parsons	ROV Operations – Co-Pilot, COO	R	11
Isaac O'Rielly	ROV Operations – Pilot	R	11
Eoin Hurley	CAD Technician	R	11
Katie Cousens	Research and Programming	N	11
Grace Hatcher	Fabrication Technician	N	10
Michael Hopkins	Programming and Electronics	N	10

OD-4D Board of Directors: Joseph Santos, James Hickman



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ROV SPECS:

ROV name: ICE, Innovative Competition Entry

ROV size: 40cm x 30cm x 50cm

ROV weight: 10.9kg

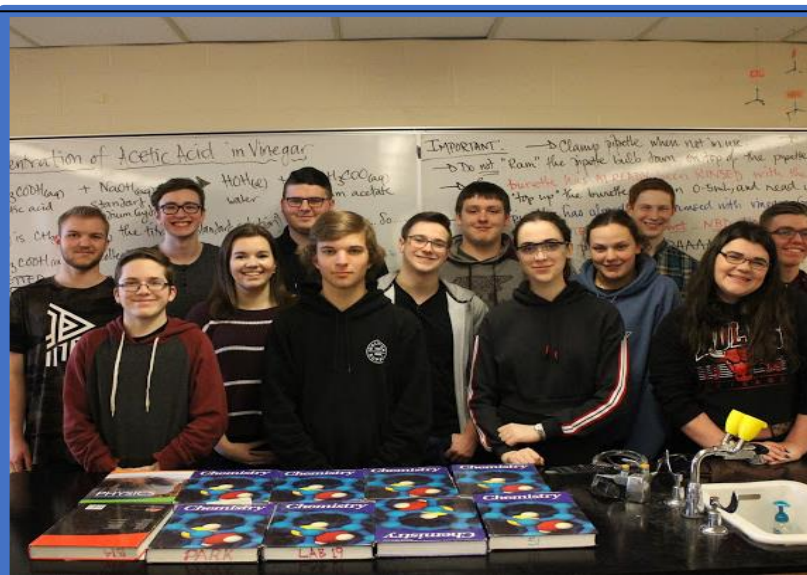
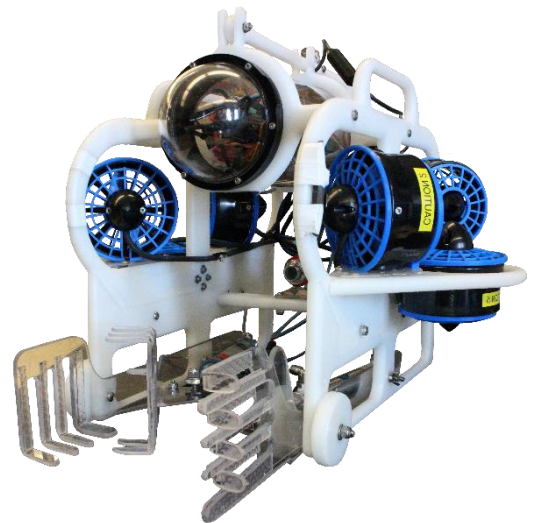
Total cost of New Materials for 2017: \$2,130 USD

Value of Recycled Materials on ROV: \$2,643 USD

Total Student hours to design and build: 800

Safety features: Commercial electrical connectors, rounded frame, no sharp projections, shrouded thrusters, hi-grade electrical and electronics components, 25A circuit breaker at power source.

Special features: All tools are multi-function, non-corroding, unique and proprietary - designed and fabricated in-house, mounted on our CNC routed floating frame (Expanded PVC Foam) and tool skid (which can be separated from thruster unit); high maneuverability achieved by 30° thruster vectoring, multiple POV digital video cameras.



1st Row (L-R): Joshua O'Keefe, Ian Parsons, Keeley Flynn, Emma Wyper.

2nd Row (L-R): Abygail Pike, Isaac O'Rielly, Grace Hatcher, Joshua Mosher.

3rd Row (L-R): Lucas Verge, Michael Hopkins, Eoin Hurley, Michael Chislett.

Missing from photo: Katie Cousens,