

TEAM SPECS

Inuksuk High School's underwater robotics club, Team North, is the only one of its kind currently situated in Canada's Arctic. Located just above the 63rd parallel, Iqaluit is the capital city of Canada's newest territory, which belongs officially to the Inuit peoples who are its original inhabitants.

Although it is approximately 7890.3km from Iqaluit to Hilo, each team member and piece of equipment must first travel 2088.2 km to Ottawa, plus the subsequent 7657.8 km to our competition destination.

Team North has participated in four previous MATE ROV Competitions. We currently have twelve members spanning from grades 10 -12, four new and eight returning.



Members: Nigel Audla, Eric Blair, Zach Cousins, Eleanor Crawford, Jacklyn Eaton, Allan Heath, Aaron Fraser, Louis Lebel-Wong, Duncan Mackay, Jessamyn Mallory, Anthony Tucker, Benjamin Westwell

Mentor: Stephen Carter

ROV SPECS

The name of our Remotely Operated Vehicle is *Vulcan 626*, which refers to the Roman god of fire, also the root word of volcanology. Materials needed to build our ROV total 11,000 dollars with approximately 4,400 dollars of donated items such as the tether, cameras, and PVC. Primarily built out of Lexan™, *Vulcan 626* weighs 11 kg and has a height of 43.4 cm, length of 76.4 cm and width of 61.3 cm. The main safety feature is the propeller shrouds which prevent damage to the blades or injury to team members.