

# GROVER

## exploration



## Company Information

company Name: gROVer Exploration (Grove Academy)

Location: Dundee, Scotland

Distance from competition: 4,459 miles

Competition history: 1st ever competition

Grade range: As we are in S6 there are a variety of potential grade ranging from national 5 to higher to advanced higher.

**From left to right:** Kieran McDowell, Renz Llasus, Finlay Ellis, Kayleigh Gall, Stephen Hanna, Jasmine Gray, Ryan Stokoe, Isaac Bews-Ivins,

## ROV Information

ROV Weight: 9.2Kg (Rov—5.6 Kg, Umbilical – 3.6Kg)

Length: 40CM

Width: 27CM

Height: 25CM

Power Requirements: 12V DC (stepped down to 5v for control system)

Money Spent: £211.04

Value of Reused/Donated items: £920.35

## Safety Features

Water proof tape on the umbilical

3D printed cowls covering the thrusters

Rounded edges

Dome nuts on the metal rods

Warning labels on potential hazards

Motors protected by 2.5 amp fuse

Circuit is protected by 25 amp fuse

## Special Features

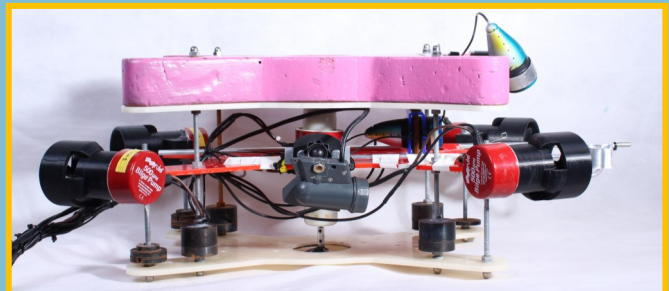
XBOX 360 controller

6, 500 GPH bilge pumps

Movement about its central axis

3 underwater cameras

Aluminium hook and grabber



## Nessie ROV specifications