



# Crusader Robotics

Brother Rice High School, Chicago, IL, U.S.A  
Company Spec Sheet



### Company Specs

- This is Crusader Robotics 4th year competing in the MATE ROV RANGER Competition and third year competing in the international competition.
- 500 Total hours were put into building Edmund Mk.IV
- Total Cost: \$1500
- Distance from international competition: 2075.8 miles or 3340.7 km

### ROV Specs

- ROV name: Edmund Mk. IV
- Size: 32cm x 32cm x 34cm
- Weight: 9.12kg
- Safety Features: Shrouding, 20 amp fuse, no sharp edges, warning label for pinch point, solder joints waterproofed with hot glue and shrinkwrap, tether thimble, and safety checklist.
- Special Features: Claw with gear mechanism, dynamic buoyancy system, RFID card, two camera system,

Name	Robotics Title	Future Career Goal	Grade
Jack Clisham	Idea Generator	Engineer	11th
Liam Coughlin	VP of Mechanical Eng.	Aerospace Eng.	11th
Andrew Cwik	Idea Generator	Engineer	10th
Tyler Davros	Camera Researcher	Engineer	10th
Conor Durkin	Prop Builder	Engineer	9th
Charles Dvorak	VP of Electrical Eng.	Computer Hardware Eng.	11th
Brian Gidney	Prop Builder	Engineer	9th
Nolan Greene	Idea Generator	Computer Hardware Eng.	11th
Gabe Gutierrez	Prop Master	Engineer	9th
Nick Kaminski	Engineer	Aerospace Eng.	11th
Malcolm Kindle	Engineer	Electrical Eng.	11th
Jack McBrearty	VP of Mechanical Eng.	Biomedical Eng.	12th
Brian McCann	Idea Generator	Engineer	9th
Matt McCormick	Mechanical Eng.	Biomedical Eng.	12th
James McManus	VP of Mechanical Eng.	Automotive Eng.	12th
Frankie Mesec	Idea Generator	Engineer	10th
Nicolas Perez	Buoyancy Director	Engineer	12th
Ryan Rice	Engineer	Engineer	10th
Gabriel Valles	Prop Builder	Civil Eng.	9th
Austin Veal	Prop Builder	Computer Science	9th
Pat Walsh	CEO	Firearms Eng.	11th
Vince Zampillo	VP of R&D	Engineer	12th