

# CRUSADER ROBOTICS

## SPEC SHEET

Brother Rice High School, Chicago, IL

Distance traveled: 1517.61 km

Name	Year	Position	Name	Year	Position
Milo Bradshaw	Sr	C.E.O. / Claw Operator	<i>James McManus</i>	Soph	Design Technician
Alex Bilek	Sr	Senior Advisor	<i>Patrick Walsh</i>	Fresh	Mechanical Engineer/ Tether Manager/ Team Historian
Patrick Nielsen	Jr	Co-Chief Mechanical Engineer/ Driver	<i>Liam Coughlin</i>	Fresh	Mechanical Engineer/ Tether Manager
Peter Cwik	Jr	T-shirt Designer/ Programer	<i>Connor English</i>	Fresh	Mechanical Engineer
<i>Joesph Taylor</i>	Jr	Mechanical Engineer/ Junior Advisor	<i>Kyle English</i>	Fresh	Mechanical Engineer
Jack McBrearty	Soph	Co-Chief Mechanical Engineer	<i>CJ Dvorak</i>	Fresh	Mechanical Engineer/ Tether Manager
Matt McCormick	Soph	Mechanical Engineer/ Co-Designer	<i>Jack Clisham</i>	Fresh	Mechanical Engineer
Vincent Zampillo	Soph	Idea Generator	<i>Tim Novick</i>	Fresh	Prop Engineer

\*New members denoted by *italics*

Mentors: Daniel Mostyn and *Eric Gamboa*

### ROV Specs

Name	Edmund Rice Mk 2.5
Cost	\$515.46
Total student hours	About 1,900 between about 13 students, 1 ½ hours, 4 days a week, nearly every week since 4 November
Safety Features	Protective shrouding over motors, smooth corners, 25 amp main fuse, 3 amp secondary to multimeter, and a .20 amp in multimeter, and heat shrink waterproofing over all solder joints
Special Features	Tusk-like claw mounted on moving arm, buoyancy tubes, oil mat retriever, temperature sensor, tether strain relief

Photo credit:  
Brian Barkowski



Photo credit: Milo Bradshaw

