

# Adams and Stoney Creek High School Robots Team 245 Organization Structure

## Engineering - FIRST 2012



Engineering Structure  
Warren Hildebrandt

	Chassis Design and Build	Above Chassis Design and Build	Mechanism, Manipulator and/or Arm	Programming	Controls and Electronics	CAD / Design	Simulation Robot	Field	Advanced Technology	Systems Engineering	Lambot Mentoring Team	Training Seminars
	Paul Slaby Janet McBride Scott Schultz John Savage	Larry Garstick Gary Clark John Markel Werner Eckardt	Gary Clark Andy Phillips Paul Slaby Janet McBride	Greg Cesiel Michael Del Rose Jim Micklas Gary Sochanski Valerie Keithly	Gary Sochanski Greg Cesiel Joe Bolewitz	Warren Hildebrandt Steve Trachsel	Rick McBride Peter Pirozzo Mike Merlo Larry Garstick	Mike Merlo John Markel	Scott Shultz Bob Schuster Michael DelRose	Peter Pirozzo Werner Eckardt Rick McBride Nestor Cerame	Greg Cesiel Nestor Cerame	Andy Phillips Rick Drummer Gary Clark John Savage John Markel
<b>Student Leaders</b>	Stephen Ploog	Tanay Patel	Eric Celerin	Ben Bray	Jason Merlo	Danielle Twarozynski	Andrew McBride	Eric Hennessee	Ryan Rosenau	Chris Santella	Ryan Cesiel	
<b>Team Members</b>	Katie Bueltel Anuja Dandekar Sonora Desai Mike Harris Phillip L-M Max Nakfoor Elizabeth Person Pranav Raj Jonathan Zarger Alex Zhang	Michelle Abramczyk Max Chappell Anuja Dandekar Mike Harris Sydney Micklas Max Nakfoor Jordan Phillips Shashank Rao Zach Sullivan Danielle Twarozynski	Michelle Abramczyk Kritin Arya Eric Hennessee Myles Malanoski Andrew McBride Tanay Patel Jack Person Ryan Rosenau	Tyler Del Rose Nick Eckardt Becky Everson Curtis Fenner Nathan Fenner Matthew Juriga Nick Kerns Jason Merlo Nevin Mital Steven Ploog Tommy Szilard Jonathan Zarger	Ben Bray Kieran Cooper Nick Eckardt Nathan Fenner Kris Junga Nick Kerns Chris Santell Tommy Bejin	Tristan Begin Kieran Cooper Matthew Juriga Jordan Phillips Zach Sullivan	Kritian Arya Tommy Bejin Curtis Fenner Phillip L-M Miles McGruder Niven Mital Brian Savage Nick Start	Max Chappell Katie Losinski Sydney Micklas Brian Savage Jack Person	Tyler Del Rose Kris Junga Miles McGruder Tanay Patel	Katie Bueltel Eric Celerin Pranav Raj Tommy Szilard		
	Responsible for chassis design and build during the build season. Responsible for updates to designs following FIRST rules.	Responsible for design and build of structure used above the chassis to house play pieces or work in conjunction with mechanisms needed to complete the game strategy.	Responsible for design and build of mechanisms needed to complete the game strategy that will be attached to the chassis or the above chassis structure.	Responsible for programming the robot and attachments. Responsible for interfaces with the drive station and mechanized input to the drive team (cameras, etc.).	Responsible for controls and interfaces used to drive the robot and used by the programming team. Responsible for effective wiring strategies, battery placement input, etc.	Responsible for visual and engineering tools used for design and build including Computer Aided Design and modeling tools.	Responsible for design and build of any minibots or other devices that are deployed from the large robot.	Responsible for the design and build of practice mechanisms needed to test the design and build effectiveness to complete the game strategy.	Responsible for the development and use of advanced technologies, even if not used on the competition robot; Includes cameras, gyros, sensors, etc.	Responsible for working with all the engineering teams to make sure everything works well together. Also includes use of engineering quality systems, i.e. Failure Modes Effects Analysis, etc.		Responsible for working with mentors or other resources to develop and conduct engineering training seminars for the students.