



# PVC PIRATES

## Londonderry High School Robotics

### Team Structure

#### LEGEND

- MENTORS
- STUDENT BOARD
- OPERATIONS LEAD
- TECH SUB-TEAM
- ANNUAL GAME TASK
- NON-TECH SUB-TEAM
- P** PROGRAMMING REP.
- E** ELECTRICAL REP.

#### MENTORS

<b>PIT BOSS</b> <small>Oversees robot competition supplies, Load Out, Load In, Pit Setup, robot repair, &amp; Pit Members</small>	<b>CAGE BOSS</b> <small>Responsible for overseeing the organization &amp; cleanliness of the Cage, purchased robot parts, &amp; team inventory</small>	<b>TRAINING</b> <small>Coordinate &amp; document proper training of all members</small>	<b>SAFETY</b> <small>Knowledge of all safety guidelines &amp; overseeing the team is using safe practices at the shop &amp; at competition</small>	<b>CAPTAIN</b> <small>Overall Coordination of sub-teams, keep team goals &amp; objectives in mind, parent liaison</small> Bethany Costello	<b>ADMIN</b> <small>Board Member assisting Captain duties</small> Adrianna Belanger	<b>COMMUNICATIONS</b> <small>Board Member overseeing team Communication</small> Amanda Graf	<b>EVENT MGR.</b> <small>Board Member overseeing attendance and logistics</small> Andrew Browne	<b>OUTREACH</b> <small>Board Member overseeing Outreach efforts</small> Mackenzie Conner
--	---	--	---	--	---	---	---	--

<b>MECHANICAL</b> <small>The mechanics of the physical robot</small> Mike SR	<b>STRATEGY</b> <small>How we play the robot game</small> Mike SR	<b>CONTROLS</b> <small>Making the robot do things</small>	<b>OUTREACH</b> <small>Spreading FIRST's message</small>	<b>AWARDS</b> <small>Collecting &amp; presenting information to judges</small>	<b>PROMOTION</b> <small>Informing the public about what we do</small>	<b>TEAM MGT.</b> <small>Keeping the team up to date and organized</small> Mike SR
--	---	--	---	---	--	---

<b>Machining</b> <small>Milling &amp; metal turning</small> Mentor(s): Jim B. Dana P. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Scouting</b> <small>Observing &amp; reporting on other teams' robots</small> Mentor(s): Brendan B. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Electronics</b> <small>Wiring the motors, sensors, servos, etc.</small> Mentor(s): Pat P. Brendan M. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>STEM</b> <small>Outreach targeted at increasing student involvement in STEM</small> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Chairman's</b> <small>Essay, video, and presentation</small> Mentor(s): Amy C. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>MarCom PR</b> <small>Web, Twitter, FB, Instagram, Youtube, local news</small> Mentor(s): Kenny K. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Logistics</b> <small>How the team gets to and from competition</small> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>Members:</b>
---	---	---	---	---	--	--

<b>Welding</b> <small>Joining of metal assemblies</small> Mentor(s): Bobby B. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Drive Team</b> <small>Operating the robot during competition</small> Mentor(s): Mike JR <b>Members:</b>	<b>Software</b> <small>Design and develop autonomous &amp; driver controls</small> Mentor(s): Matt M. Ted M. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Events</b> <small>Events targeting at informing the general public about FIRST</small> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Woodie Flowers &amp; Deans List</b> <small>Nominate &amp; write essays</small> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Photo/Video</b> <small>Capture &amp; chronicle the team for use in MarCom, Awards, and other.</small> Mentor(s): Kenny K. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Communications</b> <small>Communicate information to the team &amp; parents</small> Mentor(s): Kenny K. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>
---	---	--	--	--	--	--

<b>Drivebase</b> <small>Robot chassis &amp; main frame</small> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>P:</b> <b>E:</b> <b>Members:</b>	<b>FLL</b> <small>Mentoring and starting FLL teams in the local area</small> Mentor(s): Kenny K. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Digital Animation Award</b> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Identity</b> <small>Branding &amp; graphics</small> Mentor(s): Kenny K. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Accounting</b> <small>Keeping income &amp; expense records, budgeting</small> Mentor(s): Kenny K. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>
---	--	--	--	--

<b>MECHANISMS</b> <small>The Prioritized Game Tasks our robot will execute</small>	<b>Entrepreneurship Award</b> Mentor(s): Kenny K. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Scheduling</b> <small>Meetings, Events &amp; Commitments</small> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>Members:</b>
---	--	--

<b>Task 1:</b> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>P:</b> <b>E:</b> <b>Members:</b>	<b>Technical Awards</b> <small>Creativity, Industrial Design, etc.</small> Mentor(s): Brendan B. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>	<b>Fundraising</b> <small>Identifying new sponsors, maintain sponsor relations, fundraising programs</small> Mentor(s): Kenny K. <b>Student Lead:</b> Asst. Lead: <b>Members:</b>
--	--	--

<b>Task 2:</b> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>P:</b> <b>E:</b> <b>Members:</b>	<b>Purchasing</b> <small>Ordering parts, materials, supplies, etc. Spend the team's money</small> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>Members:</b>
--	--

<b>Task 3:</b> Mentor(s): <b>Student Lead:</b> Asst. Lead: <b>P:</b> <b>E:</b> <b>Members:</b>
--