

AdamBots Balanced Scorecard February 2012

We measure more than just financials in determining the success of our team.

Objective Type	Measures	Targets	Supporting Initiatives	How are we doing?
Learning and Growth Metrics				
Student Retention	Percentage of students who stay with team throughout the year	75% retention	Keep students engaged throughout the year	Currently have 57 students on the team. Started OCCRA with 80, therefore we retained 71%
Student Satisfaction	Involvement with decisions	Involve students in robot design, build, programming decisions and in community outreach activities	Project management and team structure	Student captains and mentors working well together. Students also playing a lead role in the business planning process.
Student Satisfaction	Recognition	Based on student survey, ensure that 90% feel they receive positive recognition for their achievements.	Conduct surveys at the end of the OCCRA and the FIRST seasons	Student satisfaction good after OCCRA. Will survey after FIRST season.
Team Satisfaction	Access to information	Based on survey, ensure that 100% of team knows where to find and how to access information critical to their jobs.	Share website information with team and review at weekly team meetings	Critical information is covered at team meetings, parent meetings, and also shared through emails and the website calendar
New Team Members	Number of new team members each year that stay with program	10 new students and 2 new mentors a year	Communicate team/club information during the year. Members invite others to join.	Currently have 31 new students and 8 new mentors
Process Metrics				
Innovation	New process or technique used during the FIRST season	At least one new assembly, programming, controls, or drive system technique used during the FIRST season.	Attendance at instruction seminars in area. Students work with mentors on new techniques.	Programming in JAVA this year. Using new ball shooter technique with lazy susan. Using camera this year.
Innovation	Process cycle time	Build robot is five weeks so you can practice	Project management and team structure	Currently on track to have robot built so we can practice at least 2 days before bag and tag.
Operations	Product quality	No major breakdowns	Robust CAD process and design testing	Too early to tell
Operations	Reliability and durability of robots	Very few repairs needed during the competition season including programming repairs.	Use of CAD in design process. Structural analysis and use of robust build techniques.	Too early to tell
Sponsor Metrics				
New Sponsors	Number of new sponsors in funding or in-kind support	At least one new sponsor each year	Ask students and mentors to talk to potential sponsors (neighbors, business colleagues).	The Chrysler Foundation and eSigns.com are new sponsors this year.
Sponsor Retention	Number of sponsors retained from year to year	Keep 100% of sponsors from year to year	Sponsor thank you and recognition.	General Motors, SAIC, Plex Systems and Wally Edgar all retained as sponsors
Schools Recognition	Robotics recognized by schools as a valuable team/club	Team is recognized in newsletters and announcements	Communicate team information and success to schools and Community Schools Foundation	Numerous recognition articles on the OCCRA season. Won Rochester Parade float and was recognized on the TV and in the newspaper. GM team of the year in 2011. OCCRA Foundation Award winner 2010 and 2011. Rochester Hills Mayor Proclamation 2011.
Financial Metrics				
Financially viable	All costs covered with some money left to seed the next year	Obtain enough funds from sponsors to cover 100% of FIRST registration and FIRST robot parts costs	Work with existing sponsors through mentor support	General Motors paid for Michigan registrations SAIC paid for majority of Alamo registration GM, Chrysler Foundation and Plex funds paid for parts
Financially viable	All costs covered with some money left to seed the next year	Obtain enough funds from members to cover 100% of T-shirt costs	Money collected for T shirts	Costs all covered with participation fee
Cost Sharing	Travel costs shared by team members	At least 75% of cost to travel for OCCRA and 30% of the travel for FIRST shared by team members	Bus fees for OCCRA collected. Money collected for 30% of travel to Alamo Regional	Money collected
Asset utilization	Have computers available for programming and CAD	Use school computers for CAD. Have at least one dedicated computer for programming.	Arts and Apples parking lot funds used for new machines or tools.	Purchased lathe and mill for work room.