

Rochester Adams and Stoney Creek Adambots - Team 245
Balanced Scorecard February 2011

Objective Type	Measures	Targets	Supporting Initiatives
Learning and Growth Metrics			
Student Retention	Percentage of students who stay with team throughout the year	75% retention	Keep students engaged throughout the year
Student Satisfaction	Involvement with decisions	Involve students in robot design, build, programming decisions and in community outreach activities	Project management and team structure
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
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
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.
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.
Innovation	Process cycle time	Build robot in five weeks so you can practice	Project management and team structure
Operations	Product quality	No major breakdowns	Robust CAD process and design testing
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.
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).
Sponsor Retention	Number of sponsors retained from year to year	Keep 100% of sponsors from year to year	Sponsor thank you and recognition.
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

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
Financially viable	All costs covered with some money left to seed the next year	Obtain enough funds from members to cover 100% of Tshirt costs	Money collected for T shirts
Cost Sharing	Travel costs shared by team members	At least 50% of cost to travel for OCCRA and FIRST shared by team members	Money collected for 50% of travel to Alamo Regional
Asset utilization	Have computers available for programming and CAD	Use school computers for CAD. Have at least one dedicated computer for programming.	

How are we doing?

Currently have 43 students on the team. Started OCCRA with 55, therefore we retained 78%

Student captains and mentors working well together. Students also playing a lead role in the business planning process.

Student satisfaction good after OCCRA. Will survey after **FIRST** season.

Critical information is covered at team meetings, parent meetings, and also shared through emails and the website calendar

Currently have 12 new students and 4 new mentors

Arm welding done at mentors home.
Line tracking sensors used this year.
Minibot technique new this year.

Currently on track to have robot built so we can practice at least 4 days before bag and tag.

Too early to tell

Too early to tell

SAIC sponsoring the Alamo Regional registration fee

General Motors and Plex Systems both retained as sponsors

Numerous recognition articles on the OCCRA season. Won Rochester Parade float and was recognized on the TV and in the newspaper.



General Motors paid for Michigan registrations
SAIC paid for Alamo registration
GM and Plex funds paid for parts

Costs all covered

Money collected
