Robot Design Rubric

	Needs Improvement	Fair	Good	Excellent
Programming	Programs disorganized Programs inefficient Results unpredictable Sensors absent or inadequately used Programs do not accomplish expected tasks Variables, loops, subroutines and conditions defined but unused Kids can't describe what run will do.	Programs somewhat organized Programs efficient at completing some tasks Results somewhat unpredictable Programs do some of what is expected Variables, loops, subroutines and conditions, if used, not understood.	Programs organized Programs efficient at completing most tasks Programs do what they're expected to do Sensors used effectively Variables, loops, subroutines and conditions, if used, are needed Kids can describe most of mission	Programs logically organized Programs very efficient Programs always work, even for complex tasks Use of sensors guarantee certain actions in every trial Programs work in competition as in practice Variables, loops, subroutines and conditions, if used, a
Kids Did the Work	Little knowledge of why some parts are where on the robot or who put them there. Little or no understanding of what pieces did. Building/programming appears primarily done by coach.	Knowledge of robot structure and programming show minimal understanding of design, science and technology behind (age specific expectations). Building and programming seems primarily directed by coach.	Knowledge of robot structure and programming show moderate understanding of design, science and technology behind (age specific expectations). Building/programming mostly directed by team members, with help from	Knowledge of robot structure and programming show thorough understanding of design, science and technology behind (age specific expectations). Building/programming was done by team members.
	Okay for team members to have different roles, as long as work is done by kids.			