

Project:
Revision:
Date:

THE FLYING TOASTERS TEAM 3641

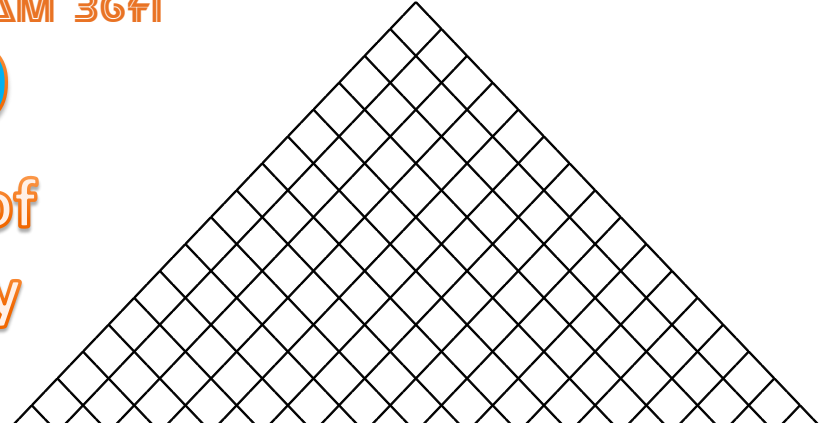
QFD

House of Quality

Correlations	
Positive	+
Negative	-
No Correlation	

Relationships	
Strong	●
Moderate	○
Weak	▽

Direction of Improvement	
Maximize	▲
Target	◇
Minimize	▼



Row #	Weight Chart (Calculated)	Relative Weight (calculated)	Strategic Importance (Team Secs 1-5)	Max Relationship (Red is Negative)	Scoring Opportunities & Necessary Attributes (Explicit and Implicit)	Column #															
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
					Capabilities & Features	Auto Speed	Autonomous	Auto-Target Cycle	Drive over barrier	Drive Maneuverability	Drive reliability	Getting on bridge	Hopper - reload	Kinects	Launching multiple position	Launching balls	manipulating bridge	Pick up balls from floor	Shifting CG	Tele-op Speed	
1	■	8%	5	.	Auton-Scores	●	●	○		○			●	○	○	●		○			
2	■	7%	4	9	Ball Storage		●	○		○			●			●		●			
3	■	8%	5	9	Bridges Balance					●	○	●					●		●	●	
4	■	5%	3	9	Co-opertition					●	○	●					●		●	●	
5	■	7%	4	9	Defense Pushing					●	●	○					○		●	●	
6	■	8%	5	9	Extension 14"		●	○	●	○		●				●	●	●	●		
7	■	8%	5	9	Foul Alley					●	●	▽						●		●	
8	■	8%	5	9	Foul Bridge				▽	●	○	●					▽				
9	■	8%	5	9	Foul Key					●								○		●	
10		2%	1	3	Hail-Mary - Human scores									○							
11	■	5%	3	9	Hybrid-Kinects	●	●	●		●	○		●	●	○	●		○			
12	■	8%	5	9	Pick up balls off floor	○	●		○	●	●		●	○			○	●		○	
13	■	5%	3	9	Robot hieght 60 vs 84	○	○	●	●	●	○	●	○	○	●	●			●	●	
14	■	8%	5	9	Shoot Hoops		●	●		●		●	●	●	●	●		○		●	
15	■	5%	3	9	Drive over Barrier					●	●				○	○		●	●	●	
16		0%																			
					Target (What we want)																
					Max Relationship (Red is Negative)	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
					Difficulty Rating (Impact vs. Effort) 5=High impact/Little effort	3	3	3		5	4	5	4	2	3	4	5	5	3	5	
					Technical Importance Rating	1.5738	4.1311	2.3115	1.5082	7.4754	3.6885	4.1148	3.3934	1.8689	1.7213	3.8361	2.4426	4.1311	3.3934	5.1148	0
					Relative Weight	3%	8%	5%	3%	15%	7%	8%	7%	4%	3%	8%	5%	8%	7%	10%	0%
					Weight Chart																



