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We Can Hear You Now (A): A Customer Survey Design for a Six Sigma Project at Crutchfield Corp.

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TheCaseSolution.com

Group Activity Summary

MEETING 1:

Set a SMART goal for the project.

Created a thought map and split up the project times and goals for each meeting.

Tested out the catapult to get a better idea of the equipment.

MEETING 2:

Discussed the parameters we were interested in testing out

Decided what settings were going to be used for the experiments and began testing

MEETING 3:

Set up a target area and launch area as defined by the project parameters.

Began testing out our 2³ design when disaster struck and our catapult arm broke.:(

Luckily through the power of duct tape we were able to get the catapult working again!

Finished our tests for the 23design and tested 2 replicate runs.

Ran the data through JMP 10 and used it to create a model in MAILAB

Ran tests on hitting a target randomly showing up in the target area using our model.



MART Goal

Specific

Measurable



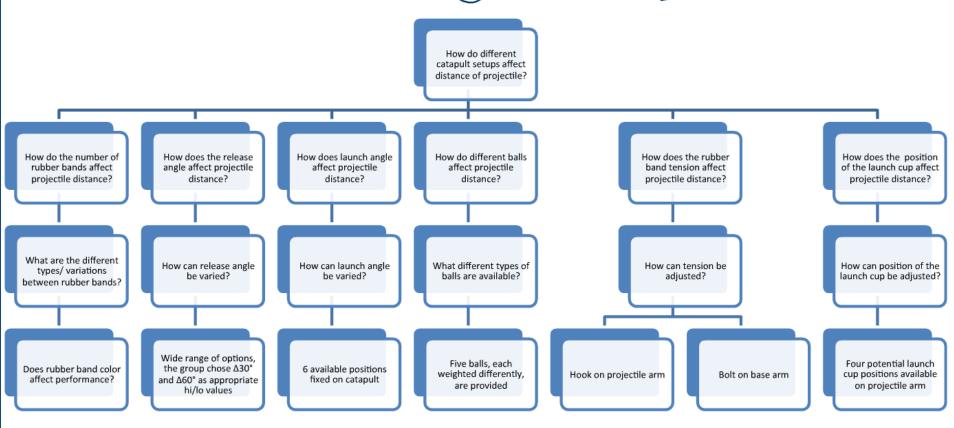
Realistic

To consistently hit within 3 inches of a randomly located target by developing a model to predict the distance of a projectile using Six Sigma methodology by April 14th. (And to win the competition, of course!)

Time-bounded

Agreeable

Thought Map



Stop Angle Levels





High

Low

Launch Angle Levels







Tension Levels





High

Low

pling Tree

