

22337

Orenco Tsunami
Orenco Elementary School
Hillsboro

Saturday, January 13th



Project

Team Number 2237

Judging Room 122

Directions: For each skill area, clearly mark the box that best describes the team's accomplishments. Teams should demonstrate everything at the level; if they are missing part, mark the level below. If the team does not demonstrate skill in a particular area, then put an 'X' in the first box for Not Demonstrated (ND). Please provide as many written comments as you can to acknowledge each team's hard work and to help teams improve.

1-Beginning

2-Developing

3-Accomplished

4-Exemplary

Presentation	Sharing (Req'd) - Degree to which the team shared their Project before the tournament with others who might benefit from the team's efforts			
	N D	shared with family / friends	shared outside family / friends (such as classmates)	shared with one audience who may benefit OR one professional
Creativity - Imagination used to develop and deliver the presentation				
N D	minimally engaging OR unimaginative	engaging OR imaginative	engaging AND imaginative	very engaging AND exceptionally imaginative
Presentation Effectiveness - Message delivery and organization of the presentation				
N D	unclear OR disorganized	partially clear; minimal organization	mostly clear; mostly organized	clear AND well organized

Comments:

- Not shared
- Not given live

The presentation was very nice and lively. Use of a model made the concept easy to understand. The concept used the elevation of water as a battery. In the future it will be good if you can compare the two and convince the audience that your solution is better for the context you are trying to address.



Project

Team Number 22337Judging Room 1

Directions: For each skill area, clearly mark the box that best describes the team's accomplishments. Teams should demonstrate everything at the level; if they are missing part, mark the level below. If the team does not demonstrate skill in a particular area, then put an 'X' in the first box for Not Demonstrated (ND). Please provide as many written comments as you can to acknowledge each team's hard work and to help teams improve.

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Research	Problem Identification (Req'd) - Clear definition of the problem being studied			
	N D	unclear; few details	partially clear; details missing	mostly clear; detailed
Sources of Information - Quality and variety of data/evidence presented and of sources cited				
N D	minimal quality; variety limited	quality OR variety need improvement but did not include professional(s)	sufficient quality and variety including professional(s)	extensive quality and variety; including multiple professionals
Problem Analysis - Depth to which the problem was studied and analyzed by the team, including extent of analysis of existing solutions				
N D	minimal study; no analysis	minimal study; some analysis	sufficient study and analysis	extensive study and analysis

Comments:

[] No problem id

Detailed prototype - Nice job!

Creative and clear presentation. :)

Some next steps would be to measure how much electricity your prototype could generate and compare to existing solutions.



Project

Team Number 22337

Judging Room _____

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Team Solution (Req'd) - Clear explanation of the proposed solution and description of how it solves the problem				
N D	difficult to understand	some parts confusing	understandable	easy to understand by all
Innovation - Degree to which the team's solution makes life better by improving existing options, developing a new application of existing ideas, or solving the problem in a completely new way				
N D	existing solution/application	solution/application contains some original element(s)	original solution/application; potential added value	original solution/application; demonstrated added value
Solution Development - Systematic process used to select, develop, evaluate, test, and improve the solution (Implementation could include cost, ease of manufacturing, etc.)				
N D	process AND explanation need improvement	process OR explanation need improvement	systematic process included evaluation	systematic process included evaluation; implementation considered

Comments:

[] No solution

Very impressive model, and glad that you tested it!
 Seems to be unique
 Wonder if it's practical vs batteries - more research?
 But the bigger issue is that it is not directly addressing the "human water cycle"



**FIRST
LEGO®
LEAGUE**

Robot Design

Team Number 22337

Judging Room 136

Directions: For each skill area, clearly mark the box that best describes the team's accomplishments. If the team does not demonstrate skill in a particular area, then put an 'X' in the first box for Not Demonstrated (ND). Please provide as many written comments as you can to acknowledge each team's hard work and to help teams improve.

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Design Process - Ability to develop and explain improvement cycles where alternatives are considered and narrowed, selections tested, designs improved (applies to programming as well as mechanical design)			
N	organization AND explanation need improvement	organization OR explanation need improvement	systematic and well explained
Mission Strategy - Ability to clearly define and describe the team's game strategy			
N	no clear goals AND no clear strategy	no clear goals OR no clear strategy	clear strategy to accomplish the team's well defined goals
Innovation - Creation of new, unique, or unexpected feature(s) (e.g. designs, programs, strategies or applications) that are beneficial in performing the specified tasks			
N	original feature(s) with no added value or potential	original feature(s) with some added value or potential	original feature(s) with the potential to add significant value
Comments:			

Loved the simple robot design.
very elegant!

You may want to consider.



Robot Design

Orenco Tsunamai

Team Number 22337

Judging Room 136

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Mechanical Design	Durability - Evidence of structural integrity; ability to withstand rigors of competition			
	N D	quite fragile; breaks a lot	frequent or significant faults/repairs	rare faults/repairs
Mechanical Efficiency - Economic use of parts and time; easy to repair and modify				
N D	excessive parts or time to repair/modify	inefficient parts or time to repair/modify	appropriate use of parts and time to repair/modify	streamlined use of parts and time to repair/modify
Mechanization - Ability of robot mechanisms to move or act with appropriate speed, strength and accuracy for intended tasks (propulsion and execution)				
N D	imbalance of speed, strength and accuracy on most tasks	imbalance of speed, strength and accuracy on some tasks	appropriate balance of speed, strength and accuracy on most tasks	appropriate balance of speed, strength and accuracy on every task

Comments:

Very nice use of attachments - worm gear, pulleys

Team was able to explain use of attachments

Only one sensor (ultrasonic) - would recommend teams about more sensors, e.g. color sensor to improve consistency.

Good start in robot design, please keep on learning!!



Robot Design

Team Number 22337Judging Room 136

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Programming Quality - Programs are appropriate for the intended purpose and would achieve consistent results, assuming no mechanical faults					
Programming	N	would not achieve purpose AND would be inconsistent	would not achieve purpose OR would be inconsistent	should achieve purpose repeatedly	should achieve purpose every time
	D				
Programming Efficiency - Programs are modular, streamlined, and understandable					
Automation/Navigation	N	excessive code and difficult to understand	inefficient code and challenge to understand	appropriate code and easy to understand	streamlined code and easy for anyone to understand
	D				
Automation/Navigation - Ability of the robot to move or act as intended using mechanical and/or sensor feedback (with minimal reliance on driver intervention and/or program timing)					
Automation/Navigation	N	frequent driver intervention to aim AND retrieve robot	frequent driver intervention to aim OR retrieve robot	robot moves/acts as intended repeatedly w/ occasional driver intervention	robot moves/acts as intended every time with no driver intervention
	D				

Comments:

 Improper development software

+ Good use of many devices. Simple design with more missions.

- Try improving on the coding/comments section

Good Job!



Core Values

Team Number 22337

Judging Room 226

Directions: For each skill area, clearly mark the box that best describes the team's accomplishments. If the team does not demonstrate skill in a particular area, then put an 'X' in the first box for Not Demonstrated (ND). Please provide as many written comments as you can to acknowledge each team's hard work and to help teams improve.

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4-Exemplary

Gracious Professionalism™

Inclusion - Consideration and appreciation for the contributions (ideas and skills) of all team members, with balanced involvement			
N	unbalanced team involvement AND lack of appreciation for contributions	unbalanced team involvement OR lack of appreciation for contributions	balanced team involvement AND appreciation for contributions of most team members
D			balanced team involvement AND appreciation for contributions of all team members
Respect - Team members act and speak with integrity so others feel valued-- especially when solving problems or resolving conflicts			
N	not evident with majority of team members	evident with majority of team members	almost always evident with all team members
D			always evident, even in the most difficult situations
Coopertition™ - Team competes in the spirit of friendly competition and cooperates with others			
N	not evident with majority of team members	evident with majority of team members	almost always evident with all team members
D			always evident, even in difficult situations--and team actively helps other teams

Comments:

You guys clearly show that you respect each other's ideas + thoughts, which is super awesome! Maybe think about how your team can actively help other teams throughout the season. But ~~overall~~, great job you guys!



Core Values

Run 226
Team Number 22337

Judging Room Oreico Tsunami

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Discovery - Balanced emphasis on all three aspects (Robot, Project, Core Values) of FLL; it's not just about winning awards				
N	emphasis on only one aspect; others neglected	emphasis on two aspects; one aspect neglected	emphasis on all three aspects	balanced emphasis on all three aspects
Team Spirit - Enthusiastic and fun expression of the team identity				
N	minimal enthusiasm AND minimal identity	minimal enthusiasm OR minimal identity	team is enthusiastic and fun; clear identity	team engages others in their enthusiasm & fun; clear identity
Integration - Application of FLL values and skills outside FLL (ability to describe current and potential examples from daily life)				
N	team does not apply values and skills outside FLL	team able to describe at least one example	team able to describe multiple examples	team able to describe multiple examples, incl. individual stories

Comments:

Good work from a large team
I would like to hear more about team fun times
More examples would be really good



Core Values

Team Number 22337 - *Oreko Tsunami*
 Judging Room 226

Directions: For each skill area, clearly mark the box that best describes the team's accomplishments. If the team does not demonstrate skill in a particular area, then put an 'X' in the first box for Not Demonstrated (ND). Please provide as many written comments as you can to acknowledge each team's hard work and to help teams improve.

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Effectiveness - Problem solving and decision making processes help team achieve their goals				
N	team goals AND team processes unclear	team goals OR team processes unclear	clear team goals and processes	clear processes enable team to accomplish well defined goals
Efficiency - Resources used relative to what the team accomplishes (time management, distribution of roles and responsibilities)				
N	limited time management AND unclear roles	limited time management OR unclear roles	excellent time management and role definition allows team to accomplish most goals	excellent time management and role definition allows teams to accomplish all goals
Kids Do the Work - Appropriate balance between team responsibility and coach guidance				
N	limited team responsibility AND excessive coach guidance	limited team responsibility OR excessive coach guidance	good balance between team responsibility and coach guidance	team independence with minimal coach guidance

Comments:

Team showed good teamwork during the activity in getting everyone's input I would like to see more examples of Core Values.