

BIKE TO THE FUTURE RUBRICS

TIME MACHINE SOLUTION

This rubric outlines how the judges will score the Time Machine Solution challenge of Bike to the Future.

	Exceptional 4 pts	Good 3 pts	Fair 2 pts	Marginal 1 pts	Inadequate 0
Innovation of Solution(s)	<ul style="list-style-type: none"> - Ground breaking ideas and solutions that addressed the question - Provides a new and enticing mix of ideas for the solution 	<ul style="list-style-type: none"> - Ideas and total solution proposal are new and exciting from typical approaches 	<ul style="list-style-type: none"> - Some of the ideas are new and exciting 	<ul style="list-style-type: none"> - Most ideas or the total solution proposal have already been well hashed-out 	<ul style="list-style-type: none"> - The solutions did not address the question
Content	<ul style="list-style-type: none"> - The content critically evaluates the solutions in a clear and concise manner 	<ul style="list-style-type: none"> - The content fully explains all necessary components of the solutions 	<ul style="list-style-type: none"> - The content mostly describes the components of the solutions 	<ul style="list-style-type: none"> - Some of the descriptions of the solutions are unclear or confusing 	<ul style="list-style-type: none"> - The content didn't address any of the question
Delivery	<ul style="list-style-type: none"> - The information was delivered in a clear, engaging, and exciting manner - The presentation was within 2 mins 	<ul style="list-style-type: none"> - All the necessary information was delivered in an easy to follow manner - The presentation was within 2 mins 	<ul style="list-style-type: none"> - Most of the information was delivered in an easy to follow manner - The presentation was within 2 mins 	<ul style="list-style-type: none"> - The information was delivered in an unclear way and was confusing to follow along - The presentation was within 2 mins 	<ul style="list-style-type: none"> - The information was not presented to judges
Implementation Analysis	<ul style="list-style-type: none"> - The team analyzes how it could be feasible for Santa Clara County - The team addresses all barriers to implementation 	<ul style="list-style-type: none"> - The team states some points on how it can be feasible to areas similar to Santa Clara County - Team addresses most barriers to implementation 	<ul style="list-style-type: none"> - The team somewhat addresses how it could be feasible - Team addresses some barriers to implementation 	<ul style="list-style-type: none"> - The team doesn't full address how their solutions could be feasible -Team overlooks barriers to implementation 	<ul style="list-style-type: none"> - There is no analysis on how the solution can be implemented
Impact	<ul style="list-style-type: none"> - The team critically evaluates what the possible impact of the proposed solutions are for the community and with a broader lens 	<ul style="list-style-type: none"> - The team provides the necessary information on the impacts of the solution for the community 	<ul style="list-style-type: none"> - The team provides some general impacts that the solutions have 	<ul style="list-style-type: none"> - The team is lacking clear description of the impacts 	<ul style="list-style-type: none"> - There is no mention of the impact that the solutions have for the community

POSTER PRESENTATION:

The rubric outlines how the judges will score the Poster Presentation challenge of Bike to the Future.

	Exceptional 4 pts	Good 3 pts	Fair 2 pts	Marginal 1 pts	Inadequate 0
Introduction	<ul style="list-style-type: none"> - Introduction is exceptional in illustrating all necessary background information for the reader - The introduction is engaging and enticing 	<ul style="list-style-type: none"> - Introduction provides all necessary background information 	<ul style="list-style-type: none"> - The introduction provides most of the background information 	<ul style="list-style-type: none"> - There is some background information but may have most missing - Information is unclear and maybe unrelated 	<ul style="list-style-type: none"> - There is no introduction on the poster
Methods & Materials	<ul style="list-style-type: none"> - Critically evaluates design challenges, methodology and materials - Articulates the bike building process in an engaging manner 	<ul style="list-style-type: none"> - Presents the necessary information for methods and material - Portrays the methods and bike building through additional ways 	<ul style="list-style-type: none"> - Most of the methods and materials are discussed in this section - Some of the description or process may be unclear 	<ul style="list-style-type: none"> - Some of the methods and material information was present but most was missing - Information may be unclear or unrelated 	<ul style="list-style-type: none"> - There is no methods or materials section on the poster
Results	<ul style="list-style-type: none"> - The results are accurate and presented in a way in which connects the team's methods & materials to the outcomes of the e-bike 	<ul style="list-style-type: none"> - All of the team's results are illustrated on the poster 	<ul style="list-style-type: none"> - Most of the team's results are presented on the poster but some may be missing Some of the information is unclear 	<ul style="list-style-type: none"> - There are a few results outlined on the poster, but most are missing Information is unclear 	<ul style="list-style-type: none"> - There is no results section on the poster
Conclusion	<ul style="list-style-type: none"> - The conclusion is evaluative and wraps up the poster in tying together all components of the poster and addressing future plans for the e-bike 	<ul style="list-style-type: none"> - The conclusion wraps up the poster and presents the necessary information 	<ul style="list-style-type: none"> - Most of the concluding information is present but some is missing, unclear or irrelevant 	<ul style="list-style-type: none"> - The conclusion doesn't wrap up the poster or addresses the future of the bike or is unclear and irrelevant 	<ul style="list-style-type: none"> - There is no conclusion section on the poster
Design and Layout	<ul style="list-style-type: none"> - The poster is aesthetically and logically organized The layout is extremely clear and easy to follow along - The text on the poster is clear and <u>concise</u> There are little to no typos or errors 	<ul style="list-style-type: none"> - The poster layout is clear and easy to follow The text is clearly presented - There are very little typos or errors 	<ul style="list-style-type: none"> - The poster is easy to follow for the most part Text is mostly clear and concise - There are some typos or errors present 	<ul style="list-style-type: none"> - The design and layout of the poster is confusing, unclear, and/or unengaging - There are lots errors and typos present 	<ul style="list-style-type: none"> - There is no poster for this team

INNOVATION:

The rubric outlines how the judges will score the Poster Presentation challenge of Bike to the Future.

	Exceptional 10 pts	Good 7 pts	Almost There 4 pts	Not Quite 0-3 pts
Originality	<ul style="list-style-type: none">- The bike as a whole incorporates and integrates new, original and intriguing components to help the bike excel in the competition	<ul style="list-style-type: none">- The bike has components that incorporate new, intriguing, or original ideas on the bike	<ul style="list-style-type: none">- The bike has components that incorporate ideas that are somewhat original and new	<ul style="list-style-type: none">- The bike does not have many new or original components implemented on the bike
Functionality	<ul style="list-style-type: none">- The bike's components function perfectly together- Each component of the bike was beneficial	<ul style="list-style-type: none">- The bike's components all function well together	<ul style="list-style-type: none">- Some of the bike components may not work well with the bike or are not functional, but some components work separately	<ul style="list-style-type: none">- None or few of the components work together or separately
Aesthetics & Cleanliness	<ul style="list-style-type: none">- The bike really stands out, looks well-made, and is aesthetically pleasing- There are no loose wires or unfinished looking pieces	<ul style="list-style-type: none">- The bike is looks very nice and well-made- There are very few loose wires or unfinished looking pieces	<ul style="list-style-type: none">- The bike looks nice but there may be some parts that look unfinished or un-kept	<ul style="list-style-type: none">- The bike looks unfinished, un-kept, and somewhat messy with loose wires
Creativity	<ul style="list-style-type: none">- The team was exceptionally innovative and creative in how they designed the bike and the different components of the bike	<ul style="list-style-type: none">- The team was creative in how they had designed the bike	<ul style="list-style-type: none">- The bike had some creative aspects within the design or components	<ul style="list-style-type: none">- The bike's design was standard and didn't display creativity