

**Design and Construction Worksheet**

**Group / Student Name:**

**Date:**

<b>Area/ Topic</b>		
<b>Effort and Input</b>	<b>What have we done in this area?</b>	<b>How can we show this to the judges?</b>
<b><u>Vehicle Design</u></b> <i>(Please note the judges do take into account student age and capability)</i>		
<b><u>Vehicle Construction</u></b> <i>(Please note the judges do take into account student age and capability)</i>		
<b>Understanding</b>	<b>What are they?</b>	<b>What's special about them?</b> <b>Why were they chosen?</b> <b>How can we show this to the judges?</b>
<b><u>Systems within the vehicle</u></b> (ie/ Drivetrain, steering, brakes, horns, lights, rider comfort, if relevant)		
What <b><u>Materials</u></b> have been used within the vehicle?		

<b>Understanding</b>	<b>What are they?</b>	<b>What's special about them? Why were they chosen? How can we show this to the judges?</b>
What are the <b>Innovative</b> aspects of the vehicle? <i>Also, innovative aspects of the pit areas / communications / rider comfort / etc</i>		
What are the <b>Safety</b> aspects of the vehicle?		
What are the <b>Environmentally friendly</b> / re-usable / recyclable materials or elements of the vehicle?  In what ways does Energy Breakthrough relate to the <b>environment</b> ?		
Is there ANYTHING else that hasn't been covered?		
<b>Practicality, Stability &amp; On-road Performance</b>	<b>Did you test?</b> <b>How did the testing go?</b>	<b>Following this testing, did we make any adjustments to improve performance?</b> <b>How can we show this to the judges?</b>

Vehicle / Pushcart testing		
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