

## Regional Flyoff – Team Assessment Sheet

School \_\_\_\_\_  
 Team Name \_\_\_\_\_  
 Student 1 \_\_\_\_\_  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_  
 4 \_\_\_\_\_

<b>1. Glider Design</b> <i>Look over the glider and rate it on the follow points</i>	
<b>1.1 Build Quality</b> <i>Award marks for well-constructed gliders, where care has been taken to manufacture a robust, clean and attractive end product.</i>	/5
<b>1.2 Innovative Design</b> <i>Award marks for careful selection of materials, and well-chosen design features.                  Also give credit for unconventional configurations where a good reason is given for selecting it.</i>	/5
<b>1.3 Sustainable Design</b> <i>Award marks for use of recycled materials and modular design. Ask how the glider can be recycled at the end of its life.</i>	/5
<b>2. Team Knowledge</b> <i>Have an informal discussion with the pupils regarding aerodynamics and general design features (e.g. wing shape, dihedral). Rate the team on their overall understanding (Note: the pupils knowledge on this subject is mainly self-taught)</i>	/10
<b>3. Project Planning and Presentation</b> <b>3.1 Project Organisation</b> <i>Marks for Gantt Chart and team organisation, plus any documentation supporting the design and build process. Do team members have distinct functions.</i>	/5
<b>3.1 Budget Keeping</b> <i>Marks for accounting actual build materials used. So long as assumptions are reasonable marks will be awarded for depth of account. No amount too trivial, look especially for spares and fastener costs.</i>	/5

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<b>4. Flights</b>	
<input type="checkbox"/> Measure the flight distance to the final resting position of the glider <input type="checkbox"/> Record the time from glider release to first impact with the ground <input type="checkbox"/> Once three flights completed, award marks for stability and survivability	
<b>Flight 1</b>	
Distance	m
Duration	s
<b>Flight 2</b>	
Distance	m
Duration	s
<b>Flight 3(if there's time)</b>	
Distance	m
Duration	s
<b>Stability and Survivability</b>	
Award marks at the end of 3 flights.	
Stability	/5
Survivability	/5

**Note:** Distance and duration are both awarded marks relative to other gliders. That which flies the furthest will be awarded 10 points for distance. A glider flying half the maximum distance will be awarded 5 points. The best combined score for distance, duration, stability and survivability out of the three flights will be recorded for each glider.

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