

# Simple Glider Evaluation Rubric

## 简单的滑翔机型分级标准

Technical Domain	Level				
<b>Nose / Cockpit / Flight Deck (the front section of the plane)</b>					
• The overall cut quality of the various pieces that make the nose. <i>(There are no torn edges and all of the cuts are clean and strait)</i>	1	2	3	4	5
• The overall assembly quality the nose section of the plane. <i>(The glued joints are strong and clean.)</i>	1	2	3	4	5
• The overall alignment of all of the pieces that make the nose. <i>(All segments are flush and meet without any gaps.)</i>	1	2	3	4	5
<b>Fuselage (the central section of the plane)</b>					
• The overall cut quality of the various pieces that make the fuselage.	1	2	3	4	5
• The overall assembly quality of the fuselage.	1	2	3	4	5
• The overall alignment of all of the pieces that make the fuselage.	1	2	3	4	5
<b>Tail (the rear section of the plane)</b>					
• The overall cut quality of the various pieces that make the tail.	1	2	3	4	5
• The overall assembly quality of the tail section of the plane.	1	2	3	4	5
• The overall alignment of all of the pieces that make the tail.	1	2	3	4	5
<b>Wings</b>					
• The overall cut quality of the wing assembly.	1	2	3	4	5
• The overall assembly quality of the wings.	1	2	3	4	5
• The effective customization of the wings. <i>(The wings have been enlarged/reduced in size, dihedral has been added, or any other combination of modifications have been made.)</i>	1	2	3	4	5
<b>Overall Design, Construction, &amp; Aesthetic Qualities of the Plane</b>					
• The balance between weight and strength are ideal. <i>(The plane's weight has been kept to minim but the plane is still structurally sound.)</i>	1	2	3	4	5
• The provided materials were used effectively. <i>(The build team was able to build their plane with the provided materials and did not need to ask for replacement materials; moreover, all of the provided materials were used effectively with no unnecessary waste being made by the group.)</i>	1	2	3	4	5
• The plane's overall appearance is aesthetically pleasing.	1	2	3	4	5

**Total: \_\_\_ / 75**

### Legend

- 1 Attempted:**  
The students have attempted but is struggling with the techniques in this domain.
- 2 Needs Improvement:**  
The students have made a decent attempt but is still struggling with mastering the techniques in this domain.
- 3 Satisfactory:**  
The students technique in this domain is acceptable but could still be refined.
- 4 Good:**  
The students technique in this domain meets expectations.
- 5 Exceptional:**  
The students technique in this domain exceeds expectations.

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域	等级				
<b>机头/驾驶舱/飞行甲板 (飞机前部)</b>					
• 组成机头零部件的总体质量。 (没有撕裂的边缘。削减是直又整洁。)	1	2	3	4	5
• 组成机头零部件的组装质量。 (粘合的部位需要坚固整洁。)	1	2	3	4	5
• 组成机头零部件的对齐程度。 (所有部位都整齐而没有任何空隙。)	1	2	3	4	5
<b>机身(飞机的中心部分)</b>					
• 组成机身各个部分的整体切割质量。	1	2	3	4	5
• 组成机尾各个部分的整体装配质量。	1	2	3	4	5
• 组成机尾各个部分的对齐度。	1	2	3	4	5
<b>机尾 (飞机的后部分)</b>					
• 组成机尾零部件的整体切割质量。	1	2	3	4	5
• 机尾部件的整体集装质量。	1	2	3	4	5
• 组成机尾部件的对齐度。	1	2	3	4	5
<b>机翼</b>					
• 组成机翼零部件的整体切割质量。	1	2	3	4	5
• 机翼的总体集装质量。	1	2	3	4	5
• 机翼定制的效果。 (机翼的尺寸已经增大/减小, 二面体也加上去了, 其他需要修改的部分也添加上去了。)	1	2	3	4	5
<b>整体设计、构造和美品质</b>					
• 体重和力量之间的平衡是理想的。 (飞机的重量一直在缩小, 但飞机的结构仍然很坚固。)	1	2	3	4	5
• 提供的材料被有效利用。 (建造团队能够用提供的材料建造飞机, 不需要要求更换材料;而且, 所有提供的材料都被有效地使用, 没有任何不必要的浪费。)	1	2	3	4	5
• 飞机的整体外观令人赏心悦目。	1	2	3	4	5

Total: \_\_\_\_ / 75

### 学生的预期表现

- 1 尝试:** 尽管学生已经尝试了,但在对这一领域的相关及时还是不怎么了解
- 2 需要改进:** 学生已经做出了很大的努力但是要掌握这一领域的相关技术还是很困难
- 3 差强人意:** 学生在这领域的技术可接受但仍有该进的空间
- 4 表现好:** 学生在这领域的技术达到了预期
- 5 表现优异:** 学生在这领域的技术达到了预期