

2011 Helicopter Score Sheet (rev 9/27/2010)

Full School Name: _____ Circle: V JV1 JV2 JV3

Full Student Names: _____

Helicopter Check (mark any violations)	Helicopter 1	Helicopter 2
2.b. Functional components constructed only from wood, paper, plastic film covering, glue		
2.b. Functional components not constructed from rigid plastic		
2.b. Functional components attached using proper material		
2.b. Kits do not contain pre-glued joints or pre-covered surfaces		
2.c. Helicopter Mass: Greater than 4.0 g without motor		
2.d. Rotor Diameter: Less than 40.0 cm		
2.e. Rotors constructed by competitors. No commercial parts.		
2.f. Rubber motor does not exceed a total mass of 2.0 g including attachments (o-rings)		
2.g. Labeled with team name		
4.c. Helicopters with violations above are ranked after those that don't (Circle One)	Tier 1 or 2	Tier 1 or 2

Flight Log Check (3.c.)	Yes	No
Minimum 10 flights		
Motor Size before Windup		
Number of Turns on Motor		
Flight Time		
Any three other parameters selected by the team		
Complete Flight Log (No deduction)		
Incomplete Log (10% deduction) - deduct 10% by multiplying time aloft by 0.9		
NO Flight Log (30% deduction) - deduct 30% by multiplying time aloft by 0.7		

Flight Times	Use 3 timers, record middle time (0.01s)	If Incomplete flight log	If missing flight log entirely	Final Time
Flight 1		x 0.9	x 0.7	
Flight 2		x 0.9	x 0.7	

Use the flight that gives the team the better overall rank (consider tiers)

Final Tier (Circle One): Tier 1 Tier 2

Final Flight time: _____

Final Rank: _____

(Ties are broken by the better other flight)

COMMENTS: (Explain PS or DQ here)