

Water Bottle Rocket Judging

Construction and Operation Judge's Evaluation Form (WBR) - In Person

Elementary School Division

Official School Name			
Official School District		State	
SECME Team Name			
Student Name #1 (Mission Captain)		Grade	
Student Name #2 (Mission Specialist)		Grade	
Student Name #3 (Mission Specialist)		Grade	
Judge's Name		Date	

WATER BOTTLE ROCKET REQUIREMENTS:

Requirement Met (check one):

Overall Height: (maximum 76 cm)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Fin Width Distance (from pressure vessel): (maximum 10 cm)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Nose Cone Tip Radius: (minimum 1.5 cm)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Throat Exit Clearance: (minimum 7.5 cm)	Yes <input type="checkbox"/>	No <input type="checkbox"/>

SCORING:

Hangtime (s)

JUDGE #1 NAME: _____	_____
JUDGE #2 NAME: _____	_____
JUDGE #3 NAME: _____	_____
AVERAGE HANGTIME (s): _____	

FINAL SCORE CONSTRUCTION AND OPERATION: $\frac{\text{Average SECME team Hangtime (s)}}{\text{Maximum Hangtime (s)}} \times 100\% =$

$$\frac{\text{Average SECME team Hangtime (s)}}{\text{Maximum Hangtime (s)}} \times 100\% = \underline{\hspace{2cm}}$$

FINAL SCORE: Final Score = Hangtime Score(0.40) + Written Report(0.25) + Patch Design(0.35) = Final Score = _____pts

NOTE: The maximum final elementary Water Bottle Rocket score is **100 pts.**

Judge's Comments (please use the back page for additional space.)