

DRAGSTER

2022 & 2023 OFFICIAL RATING FORM

MIDDLE SCHOOL

Judges: Using minimal (1-4 points), adequate (5-8 points), or exemplary (9-10 points) performance levels as a guideline in the rating form, record the scores earned for the event criteria in the column spaces to the right. The X1 or X2 notation in the criteria column is a multiplier factor for determining the points earned. (Example: an “adequate” score of 7 for an X1 criterion = 7 points; an “adequate” score of 7 for an X2 criterion = 14 points.) A score of zero (0) is acceptable if the minimal performance for any criterion is not met.

Go/No Go Specifications

- Before judging the entry, ensure that the items below are present; indicate presence with a check mark in the box.
- If an item is missing, leave the box next to the item blank and place a check mark in the box labeled ENTRY NOT EVALUATED.
- If a check mark is placed in the ENTRY NOT EVALUATED box, the entry is not to be judged.

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- Car is present
 - Technical drawing with materials list is present
 - Car is safe to race
 - ENTRY NOT EVALUATED

DRAGSTER CONSTRUCTION (60 points)				Record scores in the column spaces below.
CRITERIA	Minimal performance	Adequate performance	Exemplary performance	
	1-4 points	5-8 points	9-10 points	
Dragster Body Production Quality (X1)	Dragster exhibits poor production quality; little or no attention to detail is evident; surface is crude and rough.	Dragster shows evidence of proper production techniques; dragster is adequate but needs improvement.	Excellent production techniques are displayed in the dragster; obvious attention to detail and quality is evident.	
Body Paint/Finish (X1)	Surface preparation is inadequate; body is unprimed, with poorly applied final finish. Body is rough; paint is rough or sticky.	Dragster body is painted and finished but is of average quality; body surface is inconsistent.	Dragster body finish is exemplary; body is smooth, shiny, exhibits creative paint layouts and details.	
Vehicle Assembly (X1)	Dragster exhibits poor or sloppy assembly of parts (loose wheels, eye screws are not level, and/or they are loose, etc.).	Dragster is adequately assembled; meets standards.	Dragster is properly assembled, with obvious evidence of attention to detail, showing ingenuity.	
Drawing Scale and Dimensioning (X1)	Drawing is present, but it is not to scale; dimensions are missing, or dimensioning is poorly done.	Drawing is acceptable, true to scale, and it is a close representation of the vehicle; some dimensions are missing.	Drawing is exemplary, exact, and includes all pertinent dimensions.	
Drawing Completion and Quality (X1)	Drawing work is sloppy, missing parts, and lacking quality.	Drawing is complete; quality is average.	Drawing is complete, precise, and of exceptional quality.	
Materials List (X1)	Materials list is not complete.	Materials list is present and lists the majority of parts.	Materials list is complete and detailed.	
DRAGSTER CONSTRUCTION SUBTOTAL (60 points)				

Record scores in the column spaces below.

INTERVIEW (20 points)			
CRITERIA	Minimal performance	Adequate performance	Exemplary performance
	1-4 points	5-8 points	9-10 points
Car Builder Interview (X2)	The participant shows very limited knowledge of (and has difficulty articulating) how the car was produced or decisions made during the production; the participant exhibits a basic understanding of design elements and functionality, and the rationale is inconsistent or absent.; leadership and/or 21 st century skills are not evident.	The participant demonstrates some knowledge of the dragster production and has adequate knowledge of some processes or reasoning behind the vehicle design; leadership and/or 21 st century skills are somewhat evident.	The participant shows competence and knowledge related to the design and production of the vehicle; the participant is able to articulate "reasoning" behind the decisions made.; leadership and/or 21 st century skills are clearly evident.
INTERVIEW SUBTOTAL (20 points)			

PRELIMINARY SUBTOTAL (80 points)

RACE (60 points)								
1st	2nd	3rd	4th	5th & 6th	7th & 8th	9th-12th	13th – 16th	
60 Points	55 Points	50 Points	45 Points	40 Points	35 Points	30 Points	25 Points	
RACE SUBTOTAL (60 points)								

Rules violations (a deduction of 20% of the total possible points for the above sections) must be initiated by the judge, coordinator, and manager of the event. Record the deduction in the space to the right.

Indicate the rule violated: _____

SEMIFINAL SUBTOTAL (60 points)

To arrive at the **TOTAL** score, add any subtotals and subtract rules violation points, as necessary. **TOTAL (140 points)**

Comments:

I certify these results to be true and accurate to the best of my knowledge.

JUDGE

Printed name: _____ Signature: _____

