

# DRAGSTER

## 2016 & 2017 OFFICIAL RATING FORM

## MIDDLE SCHOOL

## Dragster Construction (50 points)

**Disqualification from race for tolerance violation (note rule number in the box).**

CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 9-10 points
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Evaluators: Using minimal (1-4 points), adequate (5-8 points), or exemplary (9-10 points) performance levels as a guideline, 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.)

<b>Dragster body production quality</b> (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 some improvement.	Excellent production techniques are displayed in the dragster; obvious attention to detail and quality is evident.
<b>Body paint/finish</b> (X1)	Surface preparation is inadequate; body is unprimed, with poorly applied final finish.	Dragster body is painted and finished; it generally exhibits quality.	Dragster body finish is exemplary; body is smooth, shiny, and exhibits quality.
<b>Vehicle assembly</b> (X1)	Dragster exhibits poor or sloppy assembly of parts (loose wheels, eye screws are not level, and/or they are loose, etc.).	Dragster is well assembled, and it meets adequate standards.	Dragster is properly assembled, with obvious evidence of attention to detail.
<b>Drawing scale and dimensioning</b> (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.
<b>Drawing completion and quality</b> (X1)	Drawing work is sloppy, missing parts, and lacking quality.	Drawing is complete; quality is average.	Drawing is complete, precise, and of exceptional quality.

**SUBTOTAL (50 points)**

### Interview (20 points)

CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 9-10 points
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<b>Car builder interview</b> (X2)	The student shows very limited knowledge of (and has difficulty articulating) how the car was produced or decisions made during the production; there are signs of the student not being involved in the dragster production.	The student demonstrates some knowledge of the dragster production and has adequate knowledge of some processes or reasoning behind the vehicle design.	The student shows competence and knowledge related to the design and production of the vehicle; the student is able to articulate "reasoning" behind the decisions made.
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**SUBTOTAL (20 points)**

[illegible]

