

SCORE SHEET

Name of Roller Coaster: _____

Category: _____

School Name: _____

Does the coaster fit within size constraints (36" x 36" x 60")? _____

Demonstration

| Attempt | Successful? | Time |
|-------------------|-------------|------|
| 1st run | | |
| 2nd run | | |
| 3rd run | | |
| Average ride time | | |

TECHINICAL SCORE - RELIABILITY (36 points maximum)

(Number of Successful Runs: _____) * 12 points each

TECHINICAL SCORE – RIDE DURATION (14 points maximum)

Four to six seconds = 7 points

Greater than six seconds = 14 points

TECHINICAL SCORE - ENGINEERING (10 points maximum)

Each judge will subjectively award up to ten points for the overall design and construction of the coaster. Factors may include the type of materials used to construct the coaster, quality of construction, etc.

THEME – RIDE NAME (10 points maximum)

Though a “cool” name is always desirable, this score also includes how well the name fits the overall theme of the coaster.

(Circle One) High School / Middle School

THEME - CREATIVITY (30 points maximum)

The model roller coaster will be judged for its merits as a possible ride to be purchased by an amusement park. Theming is an essential element of a new ride.

BONUS POINTS – LOOPS

5 points * Number of completed vertical loops: _____

BONUS POINTS – TRACK DESIGN (40 points maximum)

Closed = 0 points

Paper Track = 5 points

90% “More Open” = 10 points

100% “Most Open” = 40 points

BONUS POINTS – JUDGE’S SUPERLATIVE AWARDS (10 points each)

The judges will collectively award ten points each for the best coaster in the following categories. Each entry can only win one superlative award (i.e., the judges will not give both of these awards to the same coaster):

☐ Most likely to be implemented as a real design

☐ Most Creative / Unique

Final Score

(sum of all points above):

