

GRADE SHEET FOR ROLLER COASTER OF PHYSICS PROJECT

- **PHYSICS: 10 CONCEPTS EXPLAINED CORRECTLY** **200 PTS**
 - 20 pts per concept **CORRECTLY** explained
 - 5 pts per concept mentioned, but **not** explained

- **DESIGN SAFETY: SAFE TO RIDE** **70 PTS**
 - Safe ending (slows safely to a stop) 40 pts
 - Works (in 3 tries) and no physics violated: 30 pts

- **DESIGN CREATIVITY: ORIGINALITY OF DESIGN** **40 PTS**
 - Creativity of the theme, appearance, and track design:

- **MATHOT'S QUESTIONS CORRECTLY ANSWERED** **40 PTS**
 - **Each person** will have to answer 1 physics question

- **BLUEPRINTS & PROJECT PACKET** **30 PTS**
 - **BLUEPRINTS** (SIGNED) & packet filled out **completely**

- **PRESENTATION IN FRONT OF CLASS** **20 PTS**
 - Explanation are correct and easy to follow 10pts
 - No reading of scripts or definitions 10pts

Total Points for Project: **400 PTS**

- UP TO **10 PTS EXTRA CREDIT** FOR HOMEMADE 3-D MODELS* _____
*NOT PURCHASED TOYS OR KITS
- **5 POINTS EXTRA CREDIT** FOR GOING ON THE **FIRST DAY** _____

TYPE OF PROJECT: _____ COASTER'S NAME: _____

<u>Names</u>	<u>Period</u>	<u>Total Points</u>

