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| |  | | --- | | **Roller Coaster Engineering**  Teacher Name: **Ms. Martin & Pichla**    Student Name:     \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

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| CATEGORY | **4** | **3** | **2** | **1** |
| **Height Points** | 4 - 50 cm of height included (Add 1 extra point for each extra 50 cm of height included) | 3 - 50 cm of height included | 2 - 50 cm of height included | 1 - 50 cm of height included |
| **Design Points** | Corkscrew included (Multiply 4 pts x \_\_\_\_\_ are included) | 270 degree turn or loop included (Multiply 3 pts x \_\_\_\_\_ are included) | 180 degree turn included (Multiply 2 pts x \_\_\_\_\_ are included) | 90 degree turn included (Multiply 1 pts x \_\_\_\_\_ are included) |
| **Performance Points** | All three marbles land in cup. | 2 marbles land in cup. | 1 marble lands in cup. | 0 marbles land in cup but all were attempted. |

This rubric has 3 primary categories. Be sure to include points from all three categories and multiply how many times you included that particular feature to your design.

Height Points: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Design Points: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Performance Points: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TOTAL POINTS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_