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[**Roller Coaster**](http://kriegerscience.wordpress.com/2011/09/29/how-to-make-a-spring-scale/) **Rubric**

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| Category | 4 | 3 | 2 | 1 |
| Reliability of roller coaster | Great care taken in construction process so that three or more consecutive trials can be ran with the same successful result. | Care taken in construction process so that at least two consecutive trials can be ran with the same successful result. | Construction of coaster completed, but only one consecutive trial can be ran successfully. | Construction appears careless or effortless. Coaster cannot run to the end successfully for one trial. |
| Requirements of roller coaster | Coaster can run all required elements successfully: loop, gap, corkscrew, and completes the course. | Coaster can run three of the four required elements successfully: loop, gap, corkscrew, and completes the course. | Coaster can run two of the four required elements successfully: loop, gap, corkscrew, and completes the course. | Coaster can run only one of the four required elements successfully: loop, gap, corkscrew, and completes the course. |
| Stick to the plan!! | Final roller coaster is extremely consistent with initial blue prints and sketch. | Final roller coaster is consistent with initial blue prints and sketch; only a few adjustments or modifications from initial sketch. | Final roller coaster is has few similarities with initial blue prints and sketch; only a few details exist from initial sketch. | What happened to your initial sketch?? Final roller coaster is ha no similarities with initial blue prints and sketch. |
| Wow factor!! | Incredible detail and ingenuity. You have brought something new to the table and raised the bar for future roller coaster builders. | Well done. Your coaster rocks. It is the standard example of how a coaster should roll (see what I did there… rock and roll??) | Good job. You completed your project. Six Flags isn’t calling, but you did your best. | Been there, done that. Did you confuse making a rollercoaster with building an interstate?? |