

It's a Wild Ride Math Grade Tracking Sheet

Name _____

Activities - Phase 1 (Developing a Foundation)	It's a Wild Ride	It's a Fun Ride	Still Waiting In Line	Did not enter the park today
Roller Coaster Statistics—Mean, Median, Mode, & Range Total Points-10				
Graph Match--Pre-Assessment Total Points-5				
“Follow the Leader” w/Pasco Probeware. Student journal ½ page in comp book on how to match a time vs. distance graph and how to apply this knowledge to a time vs. speed graph. Visual Approach to Algebra scenarios Total Points-15				
Analysis of Slope Using Geoboard Slope Total Points-10				
Experiments in Linear Algebra “The Wave” & “Bouncing Balls” Total Points-20				
The Formulas—Calculations Distance/Acceleration and Force/Motion with graphic organizers Total Points-40(20 for the Organizer)				
Analysis of Roller Coaster components using K'Nex—the slide and the loop. Stations Lab Total Points-40				
Revisiting linear equations using graphing calculators Total Points-20				
Total Points--160				

- **It's a Wild Ride**-----Excellent, top-notch work with a flair of creativity
- **It's a Fun Ride**-----Good work of average quality-followed all directions
- **Still Waiting in Line**-----Needs to complete work at a more accurate level
- **Did not enter the park today**-----No attempt-did not turn in work.

Activities - Phase 2 (Mini Architect Experience)	It's a Wild Ride	It's a Fun Ride	Still Waiting in Line	Did not enter the park
Development of Perspective and 3D Representations – Mirror Images Total Points-10				
Development of Perspective and 3D Representations – Through the Looking Glass Total Points-10				
Development of Perspective and 3D Representations – Dot Paper Moves Total Points-10				
Development of Perspective and 3D Representations – Figures and Paths Total Points-10				
Development of Perspective and 3D Representations – Drawing T's Total Points-10				
Mini Architect Project—students use their maquette and represent to scale a continuous side view to their third element. Students then do a speed, distance, and time analysis for the sections of track. Total Points-50				
Total Points--100				

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Activities - Phase 3 (Architect Experience)	It's a Wild Ride	It's a Fun Ride	Still Waiting in Line	Did not enter the park
Blue Print—Established a scale Total Points 10				
Blue Print—Draw a continuous side view to scale Total Points-50				
Blue Print—Draw a top view to scale Total Points-25				
Label track—(decide the average speed for the section of track, measure the distance, and calculate the time)—record this in red book too Total Points-50				
3D Artistic Rendition with setting and maintaining a scaled perspective Total Points-50				
Journal from each block time Total Points-25				
Maquette completed for group Total Points-10				
Group presentation points (Bonus)				
Total points—220 (see rubric in Red Book)				

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Activities - Phase 4	It's a Wild Ride	It's a Fun Ride	Still Waiting in Line	Did not enter the park
Mid-unit assessment of slope, linear equations, and graph match Total Points-50				
Formula Assessment Total Points-50				
Statistics assessment Total Points-25				
Spatial Visualization Assessment Total Points-25				
End of Unit assessment Total Points-100				
Total Points—250				

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- **Did not enter the park today**-----No attempt-did not turn in work.

Activities - Phase 5 (At Home Project Calculations)	It's a Wild Ride	It's a Fun Ride	Still Waiting in Line	Did not enter the park
Find the Acceleration of the first drop on your roller coaster Total Points-10				
Find the average speed of your roller coaster Total Points-10				
Momentum Total Points-10				
Slope of initial drop in degrees Total Points-10				
Weight Total Points-10				
Force Total Points-10				
Potential Energy Total Points-10				
Kinetic Energy Total points-10				
Total Points—80				

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- **It's a Fun Ride**-----Good work of average quality-followed all directions
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- **Did not enter the park today**-----No attempt-did not turn in work.

Phase 1 points=	Phase 2 points=	Phase 3 points=
Phase 4 points=	Phase 5 points=	
Total Points for the Unit =	Your Total Points Earned =	Grade =