

<b>Speed</b>	<b>Velocity</b>	<b>Acceleration</b>	<b>Friction</b>
<b>Mass</b>	<b>Weight</b>	<b>Momentum</b>	<b>Balanced force</b>
<b>Unbalanced force</b>	<b>Inertia</b>	<b>Gravitational Force</b>	<b>Centripetal force</b>
<b>G-force</b>	<b>Weightlessness</b>	<b>Kinetic energy</b>	<b>Potential energy</b>
<b>Newton's 1st law of motion</b>	<b>Newton's 2nd law of motion</b>	<b>Newton's 3rd law of motion</b>	<b>Work</b>

You may use your textbook or any of the following resources:

<p><a href="http://www.funderstanding.com/slg/help/">Funderstanding Help Page</a>  <a href="http://www.funderstanding.com/slg/help/">http://www.funderstanding.com/slg/help/</a>  <a href="http://www.howstuffworks.com">How Roller Coasters Work</a>  <a href="http://www.howstuffworks.com">http://www.howstuffworks.com</a>  <a href="http://www.learner.org/interactives/parkphysics/parkphysics.html">Amusement Park Physics</a>  <a href="http://www.learner.org/interactives/parkphysics/parkphysics.html">http://www.learner.org/interactives/parkphysics/parkphysics.html</a>  <a href="http://www.learner.org/exhibits/parkphysics/glossary.html">Physics Glossary</a>  <a href="http://www.learner.org/exhibits/parkphysics/glossary.html">http://www.learner.org/exhibits/parkphysics/glossary.html</a>  <a href="http://www.ultimaterollercoaster.com">Roller Coaster Database</a>  <a href="http://www.ultimaterollercoaster.com">http://www.ultimaterollercoaster.com</a>  <a href="http://howthingswork.virginia.edu">How Things Work</a>  <a href="http://howthingswork.virginia.edu">http://howthingswork.virginia.edu</a>  <a href="http://www.intel.com">The Effects of New Technology on Roller Coaster Thrills, Safety, and</a>  <a href="http://www.intel.com">http://www.intel.com</a></p>	<p><a href="http://www.me.utexas.edu/uer/roller/history.html">Economics</a>  <a href="http://www.me.utexas.edu/uer/roller/history.html">http://www.me.utexas.edu/uer/roller/history.html</a>  <a href="http://www.expertsaftey.com">The New Roller Coasters: Thrills, Chills, and Few Spills</a>  <a href="http://www.expertsaftey.com">http://www.expertsaftey.com</a>  <a href="http://www.physicsclassroom.com">Work and Energy</a>  <a href="http://www.physicsclassroom.com">http://www.physicsclassroom.com</a>  <a href="http://teachertech.rice.edu/Participants/louviere/Newton/">Newton's Three Laws of Motion</a>  <a href="http://teachertech.rice.edu/Participants/louviere/Newton/">http://teachertech.rice.edu/Participants/louviere/Newton/</a>  <a href="http://www.physicsclassroom.com">Centripetal Force Requirement</a>  <a href="http://www.physicsclassroom.com">http://www.physicsclassroom.com</a>  <a href="http://www.intel.com">It's A Wild Ride</a>  <a href="http://www.intel.com">http://www.intel.com</a>  <a href="http://www.glencoe.com">The Ultimate Roller Coaster Contest</a>  <a href="http://www.glencoe.com">http://www.glencoe.com</a></p>	<p><a href="http://school.discovery.com">http://school.discovery.com</a>  <a href="http://www.rcdb.com">Roller Coaster Database</a>  <a href="http://www.rcdb.com">http://www.rcdb.com</a>  <a href="http://kids.discovery.com/games/rollercoasters/buildacoaster.html">Coaster Inversion Elements Simulation</a>  <a href="http://kids.discovery.com/games/rollercoasters/buildacoaster.html">http://kids.discovery.com/games/rollercoasters/buildacoaster.html</a>  <a href="http://www.me.utexas.edu">History of Roller Coaster Innovations</a>  <a href="http://www.me.utexas.edu">http://www.me.utexas.edu</a>  <a href="http://www.funderstanding.com/k12/coaster/Roller-Coasters">Practice Coaster Design Using Simulation Tool</a>  <a href="http://www.funderstanding.com/k12/coaster/Roller-Coasters">http://www.funderstanding.com/k12/coaster/Roller-Coasters</a>  <a href="http://www.funderstanding.com/k12/coaster/Coaster Simulation">http://www.funderstanding.com/k12/coaster/Coaster Simulation</a>  <a href="http://www.glencoe.com">http://www.glencoe.com</a></p>
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