

Table of Contents

Roller Coaster Physics Experiments.....	5
Bucket Splash.....	6
Marble Vortex.....	6
Ping Pong Curves.....	6
Cork Accelerometer.....	7
Roller Coaster Physics.....	7
Roller Coaster Maneuvers.....	8
Loops.....	8
Camel-Backs.....	8
Jump Track.....	8
Pretzel.....	8
Troubleshooting.....	8
Sonic Vibrations Experiments.....	10
Bobby Pin Strummer.....	10
String Test.....	11
Mystery Pitch.....	11
Phonograph.....	11
Easy Guitars.....	11
Sonic Rulers.....	11
Sneaky Clocks.....	11
Stryo-Phone.....	11
Homemade Whoopies.....	12
Sonic Eggs.....	12
Harmonicas.....	12
Hornets.....	12
Poppers.....	12
Simple Machine Experiments.....	13
Second Class Levers.....	13
Third Class Levers.....	13
First Class Lever.....	14
Block and Tackle.....	14
Simple Tug-Of-War Pulley System.....	14
Return Pulley System.....	15
Exponential Friction.....	15
Simple Balance.....	15
Slingshot Block.....	15
Inclined Plane.....	15
Wedge.....	16

Simple Catapult	16
Fast Catapult	16
Simple Gears	16
Belts and Pulleys	16
Wheels and Bearings.....	16
Ball Bearings	17
Simple Homemade Pulleys.....	17
An Interview with a Successful Science Teacher.....	18