

Parent Update

Your child built and programmed a racing car today with a motion sensor. They explored the difference of gearing up (fast) and gearing down (slow) using the pulley gears and a belt. Your child also explored how the size of the tire/wheel can make the car go fast or slow. Then your child created their own mechanics to see if they can increase the speed of their race car.

Educational Skills Reinforced	Technological Skills Reinforced
<ul style="list-style-type: none">• Science: Scientific investigations, simple machines• Team work• Follow directions• Visualize actions• Gear ratio• Gearing up• Gearing down	<ul style="list-style-type: none">• Force• Pushing• Pull• Rotation• Scale• Speed•

Keywords and vocabulary:

Speed Acceleration Gearing up Gearing down Friction Static friction Pull push	Engine Mechanics
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preparing children for the future