

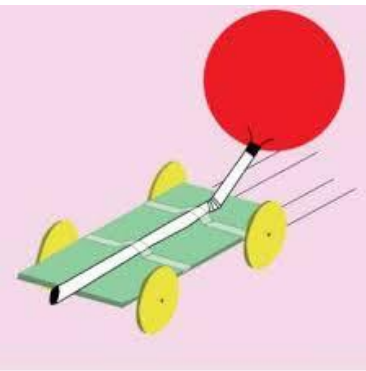

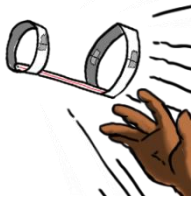


# Topic Homework

## Year 5 - Science (Friction and Forces)

<p><b>OUT AND ABOUT</b></p> <p>Visit a park or another interesting place... which forces can you see in action? ...Gravity? ...Air resistance?</p> <p>Take a photo and label what you see.</p> 	<p><b>MAKE</b></p> <p>Make a jet-powered boat out of everyday materials ...visit <a href="http://www.thenakedscientists.com">www.thenakedscientists.com</a> for instructions.</p>  <p>Can you explain how the boat moves?</p>	<p><b>MAKE</b></p> <p>Make a rocket car! Visit the site below for more information on how to... <a href="http://quest.nasa.gov/space/teachers/rockets/act2.html">http://quest.nasa.gov/space/teachers/rockets/act2.html</a></p>  <p>Can you explain why the car moves?</p>
<p><b>RESEARCH</b></p> <p>Find out more about forces by visiting the following site: <a href="http://www.primaryhomeworkhelp.co.uk/revision/Science/physical.htm">http://www.primaryhomeworkhelp.co.uk/revision/Science/physical.htm</a></p> <p>Can you share an interesting fact with the class?</p> 	<p><b>INVESTIGATE</b></p> <p>Make a hoop glider: <a href="https://sciencebob.com/the-incredible-hoop-glider/">https://sciencebob.com/the-incredible-hoop-glider/</a></p>  <p>Do any of the following factors affect the flight?</p> <ul style="list-style-type: none"><li>• Where the hoops are placed on the straw...</li><li>• Length of the straw...</li><li>• More hoops...</li><li>• Size of the hoops?</li></ul>	<p><b>INVESTIGATE</b></p> <p>Build a ramp using a plank of wood and place different materials on the surface. Use a stop watch (e.g. on a mobile phone) to time how long it takes a toy car to reach the bottom. Or measure how far the car travels on each surface.</p> <p>What do you notice?</p> <p>Why do you think this happens?</p> 