

Racing team name :

Hill climbing attracts many competitors and spectators.

Cars of all types are timed to race a fixed distance up a hill.





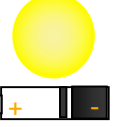
How well will your car perform?

2

Modified car

Engineer your car for improved hill climbing

Engineering Factors

 <p>Wheel size / position grip of tyres</p>	 <p>Motor gears</p>	 <p>Starting position</p>
 <p>1 ton</p> <p>Weight distribution</p>	 <p>Power</p>	<p>other</p>

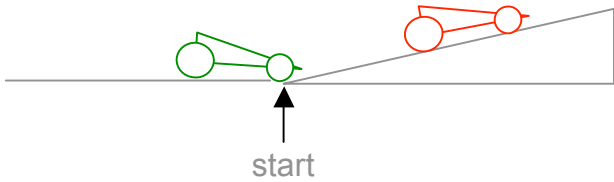
Our modifications:

Factor	Description	Gradient / angle	% improvement

1

Basic car

Find out what gradient stops your car from climbing?



Gradient =

Angle =

Comments:

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photo © Peter McFadyen

Hill Climb

Engineer a solution