

Progress Page

Yr8 Topic:TOP GEAR

Working Towards	Expected Standard	Reaching Greater Depth
-----------------	-------------------	------------------------

To achieve 'Expected Standard' you will be able to....	WT	ES
ES1. Be able to calculate speed using the formula speed = distance ÷ time		
ES2. Identify the labels for parts of a distance-time graph		
ES3 Describe factors which can affect thinking and braking distances when driving		
ES4. State some safety features on a car		
ES5. Identify and label the forces acting on a car		
ES6. Describe what an electromagnet is and how it works		
ES7. Describe the attraction and repulsion of poles of a magnet		
ES8. Define pressure and it's units		
ES9. Calculate pressure with the equation pressure = force x area		
ES 10. Calculate turning moments of moving objects (levers) around a pivot, using the equations moments = force x distance		
To achieve 'Greater Depth' you will be able to...	GD	
GD1. Convert units and rearrange the speed equation		
GD2. Explain the difference between a scalar and a vector quantity		
GD3. Identify scalar and vector quantities		
GD4. Label an electromagnetic field		
GD5. Evaluate the effect of drag on different moving vehicles		
GD6. Describe some uses of gas pressure		