Topic Progress Check

Name

Date

S3 Rotation 1 Physics Level 4

	Learning Outcomes	✓☺	?😐	✗☹
1	I can experiment, measuring time and distance values for pupils on the running track and use these to calculate average speeds from the formula v=d/t.			
2	I can carry out experiments in the Lab to measure time and distance values and use these to calculate average and instantaneous speeds from the formula v=d/t.			
3	I can show how average speed cameras are used in road safety.			
4	I can display speed/time information in graphical form and interpret the motion of an object from the graph.			
5	I can experiment with a trolley on a slope. Varying the force applied and relating this to its motion.			
6	I can measure the changing speeds and acceleration of a vehicle on a slope.			
7	I can carry out calculations of accelerating vehicles using the formula a= (v-u)/t			
8	I can use the knowledge of force on an object and apply this to road transport safety.			
9	I can explain the floating/sinking of materials due to the difference in their densities.			
10	I can construct/use a density column to compare the relative densities of different materials.			
11	I can use mass and volume measurements to carry out density calculations. (p=m/v)			
12	I can test and sketch the magnetic field patterns around permanent magnets..			
13	I can carry out an investigation to determine the factors affecting the strength of an electromagnet.			
14	I can compare the properties, uses and commercial applications of electromagnets and supermagnets			
15	I can carry out research to show recent developments used to observe and explore space.			
16	I can illustrate how our knowledge of the universe has evolved over time by drawing a time line from the Big Bang till the present day			

In this topic I have successfully………………………………………………………………………….

To make further progress I should………………………………………………………………………..

Target: In the next topic I will…………………………………………………………………………….