	Distance-Time Graphs	Acceleration:
Vectors and Scalars: Define scalar:	What is the equation that links time, speed and distance?	What is the equation that links the change in velocity, acceleration and time?
Give 2 examples of scalar quantities:	What are the units of speed?	What are the units of acceleration? An object accelerates from 10m/s to 20m/s in 5 seconds. Calculate the acceleration.
Define vector:	How far would ThrustSSC travel in 5 seconds if the speed was 341m/s?	A car slows down from 30m/s to 10m/s in 4 seconds. Calculate the acceleration.
Give 2 examples of vector quantities		
Give a pair of quantities where one is a vector and the other a scalar	What does a horizontal line represent on a distance time graph? Calculate the speed in the first 20 seconds.	Acceleration can be linked to initial velocity, final velocity and distance: $\mathbf{v}^2 - \mathbf{u}^2 = 2 \times \mathbf{a} \times \mathbf{x}$
What is meant by the term 'displacement'		Rearrange the equation to calculate distance (x)
Draw a diagram to show an example of displacement.		What is the acceleration due to gravity?

Velocity-Time Graphs	Velocity-Time Graphs
What does a sloping line represent on a velocity-time graph?	
What does a horizontal line represent on a velocity-time graph?	Calculate the distance travelled: Part A
How do you calculate the distance travelled on a sloped part of the graph?	Part B
How do you calculate the distance travelled on a horizontal part of the graph?	Part C