High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 9

Thread 4– Forces

	Physics Thread 4	Progress		
Topic	Key ideas	R	A	G
Forces	What's the difference between scalar and vector?			
	What's different between speed and velocity?			
	Can I draw my own distance-time graphs and use these to calculate average speed?			
	What factors affect stopping distance?			
	What do forces do?			
	What is Newton's Second Law?			

Lesson	Learning Focus	Assessment	Key Words
1	What's the difference between scalar and vector?	Exam questions	Scalar, vector, direction, magnitude
2	What's different between speed and velocity?	A speed and velocity calculation	Speed, velocity, distance, time
3	Can I draw my own distance-time graphs and use these to calculate average speed?	Drawing distance—time graphs	Vector, speed, distance, area
4	Will the car stop in time?	Complete the scene of crime reports	Speed, velocity, distance, time
5	What do forces do?	Calculate the missing values in a table.	Accelerate, velocity, direction, force
6	What about Newton's Second Law?	Apply Newton's second Law to complete some calculations.	Force, mass, accleration