Name _____


Motion


Where are you going and how long will it take to get there?

Owning my learning

Below is a list of learning intentions. Place a check mark in the box that best describes your learning level at the beginning of the learning and after we have learned together.
"B" stands for beginning, "A" stands for accomplished.

I Can Identify:

B	A	
○	○	scalar and vector quantities
○	○	positive and negative directions

I Can Determine:

B	A	
○	○	the slope of a straight line segment of a graph

I Can Plot and Interpret:

B	A	
○	○	position vs time graphs with a positive, negative or zero slope
○	○	velocity vs time graphs with a positive, negative or zero slope
○	○	a best fit line

I Can Convert:

B	A	
○	○	units such as km/h to m/s

I Can Use a Formula to Calculate:

B	A	
○	○	time interval
○	○	distance and displacement
○	○	speed and average velocity (two different formulae)
○	○	change in velocity
○	○	horizontal acceleration
○	○	vertical acceleration

I Can Use:

B	A	
○	○	the Data Booklet to select the correct formula to solve a word problem involving velocity or acceleration
○	○	a diagram to determine position, distance travelled and displacement

I Can Explain:

B	A	
○	○	the difference between a scalar and vector quantity
○	○	the difference between distance and position
○	○	the difference between time and time interval
○	○	the difference between distance and displacement
○	○	the difference between speed and velocity
○	○	the difference between uniform and non-uniform motion
○	○	constant acceleration
○	○	the acceleration due to gravity