Physics 11

30 marks

**The Moving Man Simulation from PhET**

To create an activity worksheet using “The Moving Man” simulation from PhET found here:

http://phet.colorado.edu/en/simulation/moving-man

Run the simulation and experiment with it for a bit. Generate an activity worksheet that another Physics student could use to lean all about Position, velocity, acceleration and the relationship between their graphs as a function of time.

30 bonus marks will be given to those students whom submit an activity worksheet (complete with a separate answer sheet) to your teacher. The activity worksheet must be ready to go with no errors and will allow a student, by following the instructions, to gain knowledge about position, velocity and acceleration. The activity worksheet should require a student to speed about 20 – 30 min with the simulation.

This could be a group project (maximum of 4 per group), however the bonus marks awarded will much harder to obtain than if done individually.