



Displacement – Time Graphs – How To Use this Unit

***Please Note: This activity will not work online but rather, must be downloaded to your own personal computer. It comes as zip file that contains an executable that will run the animation. Currently the animation is only available for the windows operating system.*

Activity 1 – Draw your own displacement time graphs

Open the activity by clicking the *Start Activity* link. Your computer will attempt to download a Zip file that contains the animation. Save the zip file locally and open it using WinZip. The animation is called “displacement_time.exe”.

Open the executable file. There are detailed instructions contained in the animation. Some key points, however, are:

- Pushing the “play” button and moving the truck at the bottom of the screen will create a displacement time graph.
- Several “guides” are included in the animation that provide specific motions and demonstrate the graphs that each motion would create.
- Graphs are colour coded and can be built on top of each other. Clear all graphs by clicking the “reset” button.