

Contents of Kinematics Folder

There are 17 folders inside of the Kinematics folder. Each folder contains a PowerPoint slide deck. The slide deck can be used as a PowerPoint or be imported into Google Slides. The folder also contains a PDF and Microsoft Word version of the Lesson Notes. Finally, there is an **Images** folder inside each of the folders. The images folder contains animations (usually .gif or .mp4), movies (usually .mp4), and graphics (usually .png) used in the slide deck. Often times there is a Microsoft Word document that contains the source of one or more line graphics. The availability of the MS Word document will allow teachers to manipulate any of the graphics as desired. All the images included in the PowerPoint slide deck are not necessarily saved in the Images folder. They can be edited within PowerPoint or Google Slides (if needed).

	PowerPoint Topic	File Name
1.	Scalars vs. Vectors ... and the Intro to Kinematics	ScalarsVectors
2.	Distance vs. Displacement	DistanceDisplacement
3.	Speed vs. Velocity	SpeedVelocity
4.	Accelerated Motion	AcceleratedMotion
5.	Motion Diagrams	MotionDiagrams
6.	Position-Time Graphs: Constant Velocity Motion	PositionTimeGraphs1
7.	Position-Time Graphs: Changing Velocity Motion	PositionTimeGraphs2
8.	Position-Time Graphs: Calculating Velocity From Slope	PosnTimeGraphs3
9.	Velocity-Time Graphs: Constant Velocity Motion	VelTimeGraphs1
10.	Velocity-Time Graphs: Changing Velocity Motion	VelTimeGraphs2
11.	Velocity-Time Graphs: Calc'g Acceleration From Slope	VelTimeGraphs3
12.	Velocity-Time Graphs: Calc'g Displacement From Area	VelTimeGraphs4
13.	The Kinematic Equations	KinematicEqns
14.	Using the Kinematic Equations to Solve Problems – 1	UsingKinematicEqns1
15.	Using the Kinematic Equations to Solve Problems – 2	UsingKinematicEqns2
16.	Describing Free Fall Motion	DescribingFreeFall
17.	Free Fall and the Kinematic Equations	FreeFallMathematics

In addition to the PowerPoints and Lesson Notes, the Kinematics folder contains several animations and videos (and also graphics). You will find the following animations and videos included in the Kinematics folder:

Folder	File Name	Format	Duration
ScalarsVectors	Quantities	.gif	0:20
DistanceDisplacement	WalkingAnimn1	.gif	0:10
	WalkingAnimn2	.gif	0:20
	WalkingAnimn3	.gif	0:16

	WalkingAnimn4	.gif	0:22
SpeedVelocity	SpeedometerNeedle	.gif	0:11
	SpeedScalar	.gif	0:07
	SpeedVsVelocity1	.gif	0:17
	StopLight	.gif	0:08
Acceleration*	AccelInData	.gif	0:55
MotionDiagrams	ConstantSpeedDots	.gif	0:10
	DecreasingSpeedDots	.gif	0:09
	IncreasingSpeedDots	.gif	0:10
PositionTimeGraphs2	Speeding Up	.gif	0:28
	SlowingDown	.gif	0:28
	ptDatAnimn	.gif	0:55
PosnTimeGraphs3	SlopeMeaning	.gif	0:48
VelocityTimeGraphs2	Speeding Up	.gif	0:08
	Slowing Down	.gif	0:08
DescribingFreeFall	FreeFallAnim1	.gif	0:05
	FreeFallAnim2	.gif	0:10
	ElephantFeather	.gif	0:06

* We provided a second PowerPoint designed for importing into Google Slides.