

## **Unit 2: Kinematics**

### **Think Sheets**

Distance and Displacement (2 pages)  
Speed and Velocity Concepts (2 pages)  
Acceleration (2 pages)  
Diagrams and Data Tables (2 pages)  
Position-Time Graphs (2 pages)  
Position-Time Graph – Slope Analysis (1 page)  
Velocity-Time Graphs (2 pages)  
Slope and Area of Velocity-Time Graphs (2 pages)

(Each Think Sheet has a corresponding answer key)

### **Student Lab Sheets**

Physics 500 Lab  
Position-Time Graphs Lab  
Velocity-Time Graphs Lab

(Each Student Lab Sheet has a corresponding Teachers Guide with answers)

### **BONUS:**

Slide Deck  
AccelInMeaning.docx (Think Sheet)  
AccelInMeaningKEY.docx (Answer Key)  
BubbleTubeLab.docx (Student Lab Sheet)  
BubbleTubeLabTG.docx (Teacher's Guide for Lab)  
ChangingSpeedModel.docx (Think Sheet)  
ChangingSpeedModelKEY.docx (Answer Key)  
ConstantSpeedModel.docx (Think Sheet)  
ConstantSpeedModelKEY.docx (Answer Key)  
DotDiagrams.docx (Think Sheet)  
DotDiagramsKEY.docx (Answer Key)  
ETA.docx (Think Sheet)  
ETAKEY.docx (Answer Key)  
Finding Speeders.docx (Student Lab Sheet)  
FindingSpeedersTG.docx (Teacher's Guide for Lab)  
GraphingSummary.docx (Think Sheet)  
GraphingSummaryKEY.docx (Answer Key)  
HowFarFastDesmos.docx (Desmos Activity)

PosnTimeGraphLabSheet.docx (Student Lab Sheet)  
PosnTimeShape.docx (Think Sheet)  
PosnTimeShapeKEY.docx (Answer Key)  
RedCarPurpleCarDesmos.docx (Desmos Activity)  
SlopeCalcPrctice.docx (Think Sheet)  
SlopeCalcPrcticeKEY.docx (Answer Key)  
VectorDirn.docx (Think Sheet)  
VectorDirnKEY.docx (Answer Key)  
VelTimeGraphLabFollowUp.docx (Support Page For Lab 3)  
VelTimeGraphLabFollowUpKEY.docx (Key for above)  
VelTimeGraphSummary.docx (Help Sheet)  
VelTimeTables.docx (Think Sheet)  
VelTimeTablesKEY.docx (Answer Key)