

Unit 3: Newton's Laws

Think Sheets

Newton's First Law and Inertia (2 pages)
Force and Motion - What Do You Believe? (1 page)
Balanced vs. Unbalanced Forces (2 pages)
Mass and Weight - What Do You Believe? (1 page)
Mass vs. Weight (1 page)
Newton's Second Law and Proportional Reasoning (1 page)
Force Help Sheet (1 page)
Recognizing Forces (1 page)
Drawing Free-Body Diagrams (1 page)
FBDs, F_{net} , and Acceleration (2 pages)
Net Force and Acceleration (1 page)
Newton's Second Law Problems (1 page)
Skydiving and Terminal Velocity (2 pages)
Newton's Third Law (2 pages)

(Each Think Sheet has a corresponding answer key)

Student Lab Sheets

Pass the Water Lab
Wait! Hmmm. Gee Lab
F-m-a Lab
Coffee Filter Skydiver Lab

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

BONUS:

Slide Deck
PuttingItAllTogetherKEY (Answer Key)
PuttingItAllTogether (Unit Summary Activity)
PrePostTestKEY.docx (Answer Key)
PrePostTest.docx (Basic Pre/Post Test)
InertiaClubCards.pdf (Phun)
InertiaClubCards.docx (Phun)
ForceAndMotionKEY.docx (Answer Key)
ForceAndMotion.docx (Think Sheet)
FallingBodiesProject.docx (Project Sheet)
ConceptReviewKEY.docx (Answer Key)

ConceptReview (Review Activity)