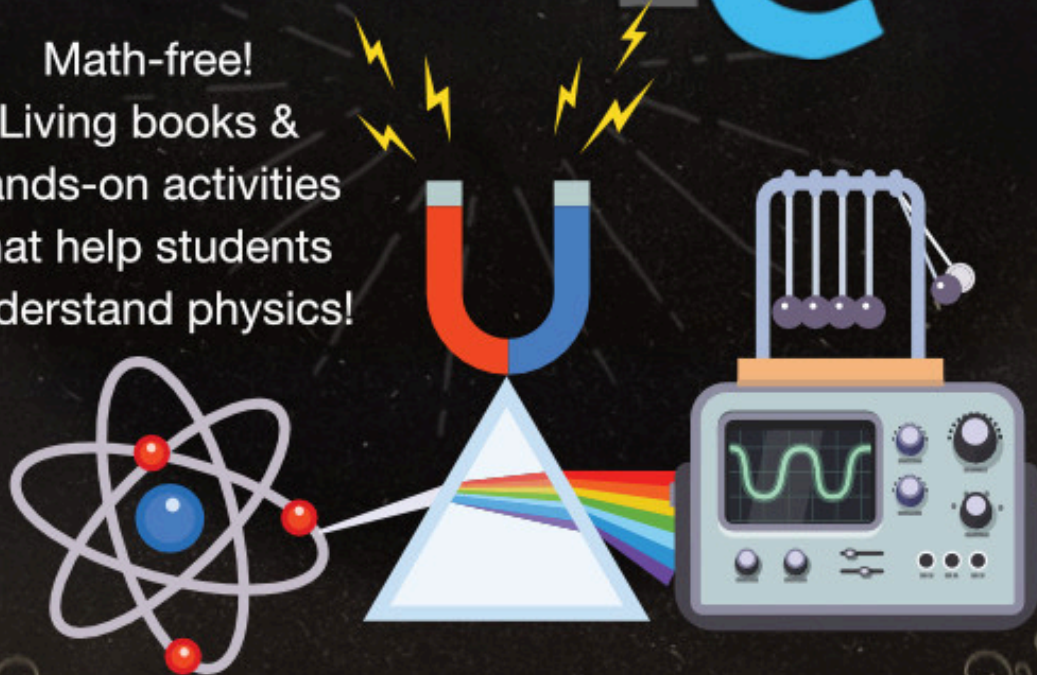


Guest Hollow's

High School
Conceptual

PHysics

Math-free!
Living books &
hands-on activities
that help students
understand physics!



Week 1					
	Day 1	Day 2	Day 3	Day 4	Day 5
<u>Exploring the World of Physics</u>					
Some of the science topics this week: Motion, speed of falling objects, velocity, calculating speed, effect of gravity on balls rolling down a ramp, pendulums People: Aristotle, Galileo, astronaut David Scott					
Activities		p. 7 Falling Objects Supplies: dime and quarter			
Reading	Chapter 1: Motion				p. 13 Chapter 1 questions (math questions 10-12 are optional)
Reading Assignments					
<u>Mixing History & Science</u>					
<u>Aristotle: A Graphic Guide</u>	Stop at <i>Aristotle Finds the Lyceum.</i>	Stop at <i>Time and the Arrow.</i>	Stop at <i>Thisness.</i>	Stop at <i>Ancient and Modern Reductionism.</i>	Stop at <i>What is Logic?</i>
<u>Learning About Physics Terms</u>					
<u>Basher Science: Physics</u>	p. 8-11 Mass	p. 12-13 Weight	p. 14-15 Density	p. 16-17 Speed	p. 18-19 Acceleration
<u>Activities & Assignments</u>					
<u>Junk Drawer Physics</u>	p. 1-4 Mesmerizing CD top (persistence of vision)		p. 25-26 Paper drop (air resistance, acceleration)		
<u>Printables</u>					
	Guest Hollow's Physics Workbook Week 1 Education.com <u>Air resistance</u>				
<u>Videos</u>					
	<u>Hammer vs Feather - Physics on the Moon</u> TED-Ed: <u>The law of conservation of mass</u> <u>Eureka: Mass</u>	<u>Feather in Vacuum - Backstage Science</u> TED-Ed: <u>Would you weigh less in an elevator?</u>	Sprott: <u>Guinea and Feather Tube</u> TED-Ed: <u>Why Does Ice Float in Water?</u>	<u>The Pendulum and Galileo</u> TED-Ed: <u>How fast are you moving right now?</u> They Might Be Giants: <u>Speed and Velocity</u>	Sprott: <u>Reaction Time</u> TED-Ed: <u>If superpowers were real: super speed</u>
<u>Online</u>					
	<u>TED-ED video review questions</u>	<u>TED-Ed video review questions</u>	<u>TED-Ed video review questions</u>	<u>TED-Ed video review questions</u>	<u>TED-ED video review questions</u>

Week 2					
	Day 1	Day 2	Day 3	Day 4	Day 5
Reading Assignments					
<u>Mad About Physics</u>	p. 113 Questions 273, 274, 275, 276		p. 114 Questions 277- 281		p. 115-116 Questions 282- 287
<u>Zoom: How Everything Moves</u>	Chapter 1	Chapter 2	Chapter 3	Chapter 4	Chapter 5
					<u>Come See the Earth Turn</u> *Only available used.
Mixing History & Science					
<u>Aristotle: A Graphic Guide</u>	Stop at <i>The Problem of "Nous"</i> .	Stop at <i>an Odd Mixture</i> .	Stop at <i>A Flourishing Life</i> .	Stop at <i>The Politics</i> .	Stop at <i>Politics, Education and Art</i> .
Learning About Physics Terms					
<u>Basher Science: Physics</u>	p. 20-21 Force	p. 22-23 Inertia	p. 24-25 Friction	p. 26-27 Gravity	
Activities & Assignments					
<u>Junk Drawer Physics</u>		p. 10-11 Floating Coin (center of mass)		p. 14-16 Rolling Uphill (center of gravity)	
Printables					
	<u>Aristotle notebooking page</u> Guest Hollow's Physics Workbook Week 2 Education.com <u>Balancing Bird</u> (center of gravity)				
Videos					
	Sprott: <u>Ballistics Car</u>	Sprott: <u>The Monkey and the Coconut</u> TED-Ed: <u>The physics of the "hardest move" in ballet</u>	Sprott: <u>Inertia Ball</u>	Aristotle & Virtue Theory: <u>Crash Course Philosophy</u> Eureka: <u>Gravity</u>	TED-Ed: <u>How to think about gravity</u>
Online					
		<u>TED-Ed video review questions</u>	Article: <u>Earth's Young Magnetic Field</u> – Read before or after chapter 3 in Gravity.	Article: <u>Center of Mass</u>	<u>TED-Ed video review questions</u>