

**PHYSICS**  
**Midterm Topics**

**Directions:** Assess how ready you are for the midterm and what you need to study the most by ranking the topics from the first half of the semester with the scale below:

**3 = I mostly remember this and only need a brief review or no review to be ready**

**2 = I remember this some, but after a review I should be ready**

**1 = I don't remember this at all and need in depth review or re-teaching to be ready**

	Topic	How ready are you?		
Unit 1	Proportional & inversely proportional relationships	1	2	3
	Scalars & vectors, adding vectors	1	2	3
	Distance & displacement	1	2	3
	Speed & velocity	1	2	3
	Acceleration	1	2	3
	Velocity & acceleration in same/opposite directions	1	2	3
	Kinematic equations	1	2	3
Unit 2	Inertia & mass	1	2	3
	Forces	1	2	3
	Balanced & unbalanced force (net force)	1	2	3
	Newton's Three Laws of Motion	1	2	3
	Free body diagrams	1	2	3
Unit 3	Gravity	1	2	3
	Law of Universal Gravitation	1	2	3
	Weight	1	2	3
	Free fall	1	2	3
	Free fall kinematic equations	1	2	3
	Air resistance & terminal velocity	1	2	3
	Projectile motion	1	2	3
	Uniform circular motion	1	2	3
	Centripetal acceleration & force	1	2	3

Unit 4	Momentum	1	2	3
	Impulse	1	2	3
	Impulse-Momentum Theorem	1	2	3
	Reducing force during an impact	1	2	3
	Kinetic energy	1	2	3
	Law of Conservation of Momentum	1	2	3
	Elastic & inelastic collisions	1	2	3

Which topics do you need to spend the most time studying?

Which topics do you need to spend the least time studying?