


## Alignment for AP® Physics 1

Big Ideas	 <b>FlinnPREP™ for AP® Physics 1</b>	<b>Advanced Inquiry Labs for AP® Physics 1</b>
<b>1</b>	<b>Unit 2:</b> Dynamics	
	<b>Unit 3:</b> Circular Motion and Gravitation	
	<b>Unit 9:</b> Electrostatics	
	<b>Unit 10:</b> DC Circuits	Resistance and Resistivity
<b>2</b>	<b>Unit 2:</b> Dynamics	
	<b>Unit 3:</b> Circular Motion and Gravitation	
<b>3</b>	<b>Unit 1:</b> Kinematics	Measuring g: Exploring Free-Fall Graphing Motion
	<b>Unit 2:</b> Dynamics	Newton's Second Law Coefficient of Friction
	<b>Unit 3:</b> Circular Motion and Gravitation	Uniform Circular Motion
	<b>Unit 4:</b> Energy	Conservation of Energy on an Inclined Plane
	<b>Unit 5:</b> Momentum	
	<b>Unit 6:</b> Torque and Rotational Motion	Torque Rotational Motion and Angular Momentum
	<b>Unit 7:</b> Simple Harmonic Motion	Hooke's Law and Simple Harmonic Motion for Elastic Materials Simple Pendulums
	<b>Unit 9:</b> Electrostatics	
<b>4</b>	<b>Unit 1:</b> Kinematics	
	<b>Unit 2:</b> Dynamics	
	<b>Unit 3:</b> Circular Motion and Gravitation	Rotational Motion and Angular Momentum
	<b>Unit 4:</b> Energy	
	<b>Unit 5:</b> Momentum	Conservation of Linear Momentum
	<b>Unit 6:</b> Torque and Rotational Motion	Rotational Motion and Angular Momentum
<b>5</b>	<b>Unit 4:</b> Energy	Conservation of Elastic Potential Energy Conservation of Linear Momentum
	<b>Unit 5:</b> Momentum	Conservation of Linear Momentum
	<b>Unit 6:</b> Torque and Rotational Motion	
	<b>Unit 7:</b> Simple Harmonic Motion	
	<b>Unit 9:</b> Electrostatics	
	<b>Unit 10:</b> DC Circuits	Electrical Circuits
<b>6</b>	<b>Unit 8:</b> Mechanical Waves and Sound	Mechanical Waves Speed of Sound