

## AP PHYSICS 1: ALGEBRA-BASED

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The [AP Physics 1: Algebra-Based Course and Exam Description](#) is the core document for an AP course. It clearly lays out course content and skills and describes the exam and AP Program in general.



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Session	Session Title	Session Description	Topics	Skills
<b>1</b> MONDAY 4/19/2021	<a href="#">How to Understand Motion and Kinematics</a>	In this video, we will review graphing, equations, main concepts, and misconceptions in Unit 1: Kinematics.	<b>1.1</b> <b>1.2</b>	<b>2.1</b> <b>4.2</b> <b>2.2</b> <b>5.1</b> <b>2.3</b>
<b>2</b> TUESDAY 4/20/2021	<a href="#">Dynamics: Studying Newton's Three Laws and Friction</a>	In this video, we will review graphing, equations, main concepts, and misconceptions in Unit 2: Dynamics.	<b>2.3</b> <b>2.6</b> <b>2.5</b> <b>2.7</b>	<b>1.4</b> <b>5.1</b> <b>2.2</b> <b>6.2</b> <b>2.3</b> <b>6.4</b>
<b>3</b> WEDNESDAY 4/21/2021	<a href="#">Understanding Circular Motion and Gravitation</a>	In this video, we will review graphing, equations, main concepts, and misconceptions in Unit 3: Circular Motion and Gravitation.	<b>3.6</b> <b>3.7</b> <b>3.8</b>	<b>1.1</b> <b>5.1</b> <b>1.4</b> <b>5.3</b> <b>1.5</b> <b>6.4</b> <b>2.2</b>
<b>4</b> THURSDAY 4/22/2021	<a href="#">Understanding Work and Energy</a>	In this video, we will review graphing, equations, main concepts, and misconceptions in Unit 4: Energy.	<b>4.1</b> <b>4.2</b> <b>4.3</b>	<b>1.1</b> <b>6.3</b> <b>3.3</b>

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<b>5</b> <b>MONDAY</b> <b>4/26/2021</b>	<a href="#">Impulse and Conservation of Momentum</a>	In this video, we will review graphing, equations, main concepts, and misconceptions in Unit 5: Momentum.	<b>5.1</b> <b>5.2</b> <b>5.4</b>	<b>1.4</b> <b>4.1</b> <b>2.1</b>
<b>6</b> <b>TUESDAY</b> <b>4/27/2021</b>	<a href="#">Understanding Simple Harmonic Motion</a>	In this video, we will review graphing, equations, main concepts, and misconceptions in Unit 6: Simple Harmonic Motion.	<b>6.1</b> <b>6.2</b>	<b>1.4</b> <b>5.1</b> <b>2.2</b> <b>6.4</b>
<b>7</b> <b>WEDNESDAY</b> <b>4/28/2021</b>	<a href="#">Rotational Kinematics, Torque and Angular Acceleration</a>	In this video, we will review graphing, equations, main concepts, and misconceptions in two Unit 7 topics, 7.1: Rotational Kinematics and 7.2: Torque and Angular Acceleration.	<b>7.1</b> <b>7.2</b>	<b>1.1</b> <b>1.4</b>
<b>8</b> <b>THURSDAY</b> <b>4/29/2021</b>	<a href="#">Understanding Rotational Energy and Momentum</a>	In this video, we will review graphing, equations, main concepts, and misconceptions in two Unit 7 topics, 7.3: Angular Momentum and Torque and 7.4: Conservation of Angular Momentum.	<b>7.3</b> <b>7.4</b>	<b>2.2</b> <b>4.1</b> <b>3.3</b>



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