

AP Physics C Content Supports

Unit 1: Kinematics

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> ❑ Quantities of motion: distance, displacement, position, velocity, speed, acceleration ❑ Vectors and components 	<ul style="list-style-type: none"> ❑ Equations of constant acceleration ❑ Projectile Motion ❑ Changing acceleration – kinematics with calculus 	<ul style="list-style-type: none"> ❑ Finding times/locations of highest speed (maximum/minimum problems) ❑ Integrating velocity to get position

Supports for Each Topic

Note: Because many AP Physics C teachers already teach AP Physics 1, supports that are especially aligned with AP Physics C, including emphasis on the use of calculus, have a star () in front of them.*

Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Quantities of motion: distance, displacement, position, velocity, speed, acceleration	1 Dimensional Motion Playlist (flipping physics)	* Openstax Text (p 106)	
Vectors and components	Motion in two dimensions playlist * Mechanical Universe	* Openstax Text (p 32-77)	

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Equations of constant acceleration	1 Dimensional Motion Playlist (flipping physics)	* Openstax Text (p 124)	
Projectile Motion	Motion in two dimensions playlist	* Openstax Text (p 157-182)	
Changing acceleration – kinematics with calculus	* Mechanical Universe	* Openstax Text (p 110-124)	* Hyperphysics

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Finding times/locations of highest speed (maximum/minimum problems)		Openstax Text (p 171)	
Integrating velocity to get position	* Mechanical Universe	* Openstax Text (p 142)	

Unit 2: Newton's Laws of Motion

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> ❑ Newton's Three Laws ❑ Action/Reaction Pairs ❑ Spring Force ❑ Friction Force 	<ul style="list-style-type: none"> ❑ Equilibrium in 2D ❑ Newton's 2nd Law equations in 1D & 2D ❑ Systems of multiple objects, pulleys ❑ Circular Motion 	<ul style="list-style-type: none"> ❑ Air resistance force

Supports for Each Topic

Note: Because many AP Physics C teachers already teach AP Physics 1, supports that are especially aligned with AP Physics C, including emphasis on the use of calculus, have a star () in front of them.*

Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Newton's Three Laws	Flipping Physics – Newton's Laws Playlist Mechanical Universe	Openstax Text (p 207-229)	HyperPhysics Physics Hypertextbook Physics Hypertextbook
Action/Reaction Pairs	Flipping Physics (video 14-15) Khan Academy	Openstax Text (p 229)	Physics Hypertextbook
Spring Force	Flipping Physics - Springs	Openstax Text (p 184)	
Friction Force	Flipping Physics (videos 13, 21-28) Khan Academy	Openstax Text (p 281)	Physics Hypertextbook

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Equilibrium in 2D	Flipping Physics (video 17) Khan Academy	Openstax Text (p 582)	Physics Hypertextbook
Newton's 2 nd Law equations in 1D & 2D	Flipping Physics (video 11, 12, 29-34) Khan Academy	Openstax Text (p 247, 266)	Physics Hypertextbook
Systems of multiple objects, pulleys		Openstax Text (p 266)	
Circular Motion	Flipping Physics Flipping Physics Flipping Physics Flipping Physics Khan Academy	Openstax Text (p 293)	HyperPhysics Physics Hypertextbook

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Air resistance force	Flipping Physics Flipping Physics	* Openstax Text (p 302)	

Unit 3: Work, Energy, and Power

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> ❑ Work & Work-Energy Theorem ❑ Types of Energy ❑ Conservation of Energy ❑ Power 	<ul style="list-style-type: none"> ❑ Writing Conservation of Energy Equations ❑ Relationship between force and potential energy ❑ Calculating work from a force 	<ul style="list-style-type: none"> ❑ Calculating work from the integral of force or a line integral ❑ Potential energy functions

Supports for Each Topic

Note: Because many AP Physics C teachers already teach AP Physics 1, supports that are especially aligned with AP Physics C, including emphasis on the use of calculus, have a star () in front of them.*

Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Work & Work-Energy Theorem	* Flipping Physics	Openstax Text (p 341)	HyperPhysics Physics Hypertextbook
Types of Energy	Flipping Physics - Mechanical Energy Flipping Physics - Kinetic Energy Flipping Physics - Gravitational PE Khan Academy - Intro to Work Khan Academy - Kinetic Energy	Openstax Text (p 338)	HyperPhysics HyperPhysics HyperPhysics Physics Hypertextbook Physics Hypertextbook Physics Hypertextbook
Conservation of Energy	Flipping Physics	Openstax Text (p 371)	HyperPhysics
Power	Flipping Physics - Intro Flipping Physics - Example Flipping Physics - Graphing Flipping Physics - Car Engine Flipping Physics - Car Engine (Part 2)	Openstax Text (p 345)	Physics Hypertextbook

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports

Writing Conservation of Energy Equations	Flipping Physics Flipping Physics	* Openstax Text (p 341)	Physics Hypertextbook
Relationship between force and potential energy	* Mechanical Universe	* Openstax Text (p 368)	
Calculating work from a force	* Mechanical Universe	* Openstax Text (p 328)	

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Calculating work from the integral of force or a line integral	* Mechanical Universe	* Openstax Text (p 368)	
Potential energy functions	* Mechanical Universe	* Openstax Text (p 377)	

Unit 4: Systems of Particles, Linear Momentum

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> <input type="checkbox"/> Definition of momentum <input type="checkbox"/> Definition of center of mass <input type="checkbox"/> Internal and external forces <input type="checkbox"/> Definition of impulse 	<ul style="list-style-type: none"> <input type="checkbox"/> Impulse-momentum theorem <input type="checkbox"/> Conservation of momentum <input type="checkbox"/> Velocity of the CM, relation to momentum. <input type="checkbox"/> Acceleration of the CM, relation to net external force 	<ul style="list-style-type: none"> <input type="checkbox"/> Rocket science (i.e. how momentum is transferred by a mass rate of change and a velocity) <input type="checkbox"/> Collisions in 2D <input type="checkbox"/> Elastic Collisions

Supports for Each Topic

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Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Definition of momentum	Flipping Physics - Momentum Intro	Openstax Text (p 396)	
Definition of center of mass	Flipping Physics	* Openstax Text (p 438)	
Internal and external forces	Khan Academy		
Definition of impulse	Flipping Physics - Impulse is Area Flipping Physics - Helmets Khan Academy	* Openstax Text (p 398)	Hyperphysics

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Impulse-momentum theorem	Flipping Physics - Impulse	Openstax Text (p 398)	Physics Hypertextbook

	Flipping Physics - Force of Impact Flipping Physics - Calculating Force of Impact		
Conservation of momentum	Flipping Physics - Conservation of Momentum Mechanical Universe Flipping Physics - Energy and Momentum Review	Openstax Text (p 412)	Hyperphysics Physics Hypertextbook
Velocity of the CM, relation to momentum	Khan Academy	* Openstax Text (p 438)	
Acceleration of the CM, relation to net external force	Khan Academy	* Openstax Text (p 438)	

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Rocket science (i.e. how momentum is transferred by a mass rate of change and a velocity)		* Openstax Text (p 453)	
Collisions in 2D	Flipping Physics Khan Academy	* Openstax Text (p 431)	
Elastic Collisions		Openstax Text (p 423)	Hyperphysics Hyperphysics Physics Hypertextbook

Unit 5: Circular Motion and Rotation

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> <input type="checkbox"/> Tangential and centripetal acceleration <input type="checkbox"/> Quantities of rotational motion <input type="checkbox"/> Translational analogues of rotational motion quantities <input type="checkbox"/> Rotational inertia 	<ul style="list-style-type: none"> <input type="checkbox"/> Circular Motion <input type="checkbox"/> Torque due to the action of a force <input type="checkbox"/> Rotational statics <input type="checkbox"/> Rotational dynamics (unbalanced torques) <input type="checkbox"/> Rotational energy <input type="checkbox"/> Angular momentum 	<ul style="list-style-type: none"> <input type="checkbox"/> Rolling objects, rolling with or without slipping <input type="checkbox"/> Collisions involving rotation

Supports for Each Topic

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Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports

Tangential and centripetal acceleration	Flipping Physics Flipping Physics Flipping Physics Flipping Physics Flipping Physics Khan Academy Mechanical Universe (video 9)	Physics Classroom (lesson 1b-c)	HyperPhysics
Quantities of rotational motion Translational analogues of rotational motion quantities	Flipping Physics – Rotational Kinematics Flipping Physics – Rotational Displacement Flipping Physics – Angular Velocity Flipping Physics – Angular Velocity Problem Flipping Physics – Angular Acceleration Flipping Physics – Record Player Flipping Physics – Constant Angular Acceleration Flipping Physics – Constant Angular Acceleration 2 Khan Academy	Openstax Text (p 472-492)	Hyperphysics Hyperphysics Physics Hypertextbook
Rotational inertia	Flipping Physics – Introduction to Rotational Inertia Flipping Physics – Eggs Flipping Physics – Different Shapes Flipping Physics – Demonstrations	*Openstax Text (p 492-508)	Hyperphysics Physics Hypertextbook

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Torque due to the action of a force	Flipping Physics – Torque Introduction Flipping Physics – Introductory Problem Flipping Physics – Right Hand Rule Flipping Physics – Torque on a Door Mechanical Universe Khan Academy	Openstax Text (p 508)	Hyperphysics Physics Hypertextbook

Rotational statics	Flipping Physics Flipping Physics – Introductory Problem		
Rotational dynamics (unbalanced torques)	Flipping Physics – Bike Wheel 1 Flipping Physics – Bike Wheel 2 Flipping Physics – Review Khan Academy	Openstax Text (p 514)	Hyperphysics Physics Hypertextbook
Rotational energy	Flipping Physics – Introductory Problem Khan Academy	Openstax Text (p 492, 518)	Hyperphysics Hyperphysics Physics Hypertextbook
Angular momentum	Mechanical Universe Khan Academy	Openstax Text (p 548)	Hyperphysics Physics Hypertextbook

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Rolling objects, rolling with or without slipping		* Openstax Text (p 540)	Physics Hypertextbook
Collisions involving rotation	Khan Academy	Openstax Text (p 558)	Hyperphysics

Unit 6: Oscillations and Gravitation

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> ❑ Spring-mass oscillator ❑ Simple pendulum oscillator ❑ Universal Gravitational Force ❑ Universal Gravitational potential energy 	<ul style="list-style-type: none"> ❑ Force and Energy in SHM ❑ Physical Pendulum oscillator ❑ SHM Graphs of quantities ❑ Circular Orbits ❑ Acceleration due to gravity on a planet 	<ul style="list-style-type: none"> ❑ The SHM differential equation ❑ The SHM position vs. time equation ❑ What makes oscillation SHM ❑ Escape Velocity ❑ Non-circular orbits and trajectories

Supports for Each Topic

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Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Spring-mass oscillator	Flipping Physics Flipping Physics Flipping Physics Flipping Physics	Openstax Text (p 744) Physics Classroom (lesson 1d) Physics Classroom	Hyperphysics Physics Hypertextbook

	Khan Academy	(lesson 0c)	
Simple pendulum oscillator	Flipping Physics Khan Academy	Openstax Text (p 764) Physics Classroom (lesson 1c) Physics Classroom (lesson 0d)	Hyperphysics Physics Hypertextbook
Universal Gravitational Force	Flipping Physics (videos 1-3) Khan Academy	Physics Classroom (lesson 3a-d) Openstax Text (p 630)	HyperPhysics Physics Hypertextbook
Universal Gravitational potential energy		Openstax Text (p 642)	

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Force and Energy in SHM	Khan Academy		Hyperphysics
Physical Pendulum oscillator		* Openstax Text (p 764)	
SHM Graphs of quantities	Flipping Physics Flipping Physics Flipping Physics	Physics Classroom (lesson 0b)	Hyperphysics
Circular Orbits	Flipping Physics (video 5)	Physics Classroom (lesson 4b-c) Openstax Text (p 647)	HyperPhysics Physics Hypertextbook
Acceleration due to gravity on a planet	Flipping Physics (videos 4-6)	Physics Classroom (lesson 3e) Openstax Text (p 635)	HyperPhysics

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
The SHM differential equation	Mechanical Universe	* Openstax Text (p 744)	
The SHM position vs. time equation	Flipping Physics Flipping Physics Flipping Physics	Openstax Text (p 744)	Hyperphysics Physics Hypertextbook
What makes oscillation SHM	Flipping Physics	Physics Classroom (lesson 0a-b) * Openstax Text (p 744)	
Escape Velocity	Flipping Physics	* Openstax Text (p 647)	
Non-circular orbits and trajectories	Mechanical Universe (video 21)	Physics Classroom (lesson 4a)	HyperPhysics

		*Openstax Text (p 647)	
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Unit 7: Electrostatics

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> ❑ Charge ❑ Coulomb's Law ❑ Electric Field ❑ Electric Potential 	<ul style="list-style-type: none"> ❑ Electric field due to a point charge ❑ Electric potential due to multiple charges ❑ Electric field lines ❑ Electric potential contour lines ❑ Gauss's Law 	<ul style="list-style-type: none"> ❑ Relationship between electric field and electric potential ❑ Electric Field from Charge Distributions ❑ Applications of Gauss's Law

Supports for Each Topic

Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Charge	Mechanical Universe Khan Academy Khan Academy	Openstax Text (p 182) Physics Classroom (lesson 1a-e)	Hyperphysics Physics Hypertextbook
Coulomb's Law	Khan Academy Physics 2 Lounge Video	Openstax Text (p 192) Physics Classroom (lesson 3a-b)	Hyperphysics Physics Hypertextbook
Electric Field	Youtube Youtube Mechanical Universe Khan Academy	Openstax Text (p 197) Physics Classroom (lesson 4a-b)	Hyperphysics Physics Hypertextbook
Electric Potential	Youtube Mechanical Universe Khan Academy	Openstax Text (p 285)	Physics Hypertextbook

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Electric field due to a point charge	Youtube	Openstax Text (p 204)	
Electric potential due to multiple charges	Youtube	Openstax Text (p 305)	
Electric field lines	Youtube	Openstax Text (p 213) Physics Classroom (lesson 4c)	
Electric potential contour lines	Youtube Youtube Physics 2 Lounge Video	Openstax Text (p 319)	
Gauss's Law	Youtube	Openstax Text (p 235)	Physics Hypertextbook

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Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Relationship between electric field and electric potential	Khan Academy Mechanical Universe	Openstax Text (p 316)	
Electric Field from Charge Distributions	Youtube (watch videos 8, 10, and 11)	Openstax Text (p 204)	
Applications of Gauss's Law	Youtube Youtube (watch all 11 videos in this series)	Openstax Text (p 251)	

Unit 8: Conductors, Capacitors, and Dielectrics

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> ❑ Conductors and insulators ❑ What a capacitor does ❑ What a dielectric does 	<ul style="list-style-type: none"> ❑ Static electricity ❑ Charge density ❑ Field and potential inside a conductor ❑ Structure of a capacitor 	<ul style="list-style-type: none"> ❑ Using Gauss's Law to find E-Field inside of a non-conductor ❑ Integrating to find E-potential at various points around an arrangement of charged conductors/insulators

Supports for Each Topic

Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Conductors and insulators	Khan Academy	Openstax Text (p 699) Physics Classroom (lesson 4d)	Physics Hypertextbook
What a capacitor does	Khan Academy Youtube	Openstax Text (p 345)	Physics Hypertextbook Hyperphysics
What a dielectric does	Youtube	Openstax Text (p 365)	Physics Hypertextbook

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Static electricity	Youtube	Openstax Text (p 695) Physics Classroom (lessons 1 and 2)	
Field and potential inside a conductor	Khan Academy	Openstax Text (p 699) Physics Classroom (lesson 4d)	Physics Hypertextbook

Structure of a capacitor	Youtube	Openstax Text (p 345)	Physics Hypertextbook Hyperphysics
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Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Using Gauss's Law to find E-Field inside of a non-conductor	Youtube (watch the 4 videos in this series)	Openstax Text (p 251)	
Integrating to find E-potential at various points around an arrangement of charged conductors/insulators	Youtube (videos 12-18)	Openstax Text (p 316)	

Unit 9: Electric Circuits

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> ❑ Electric Potential, Potential Difference, EMF, Voltage Drop ❑ Current ❑ Resistance, Resistivity ❑ Energy and Power ❑ Series and Parallel 	<ul style="list-style-type: none"> ❑ Kirchhoff's Laws ❑ Solving a circuit ❑ How to use meters properly ❑ Resistor-building equation ❑ Capacitors (initial and steady-state behavior) 	<ul style="list-style-type: none"> ❑ Qualitative changes in a circuit ❑ Non-ohmic resistances ❑ Non-ideal batteries ❑ Capacitors (transient behavior) ❑ Current Density ❑ The drift velocity of charge carriers

Supports for Each Topic

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Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Electric Potential, Potential Difference, EMF, Voltage Drop	Mechanical Universe Mechanical Universe	Openstax Text (p 734) Physics Classroom (lesson 1)	Hyperphysics Physics Hypertextbook
Current	Flipping Physics	Openstax Text (p 768) Physics Classroom (lesson 2a-c)	Hyperphysics Physics Hypertextbook
Resistance, Resistivity	Flipping Physics Khan Academy Physics 2 Lounge Video	Openstax Text (p 773-783) Physics Classroom (lesson 3)	Hyperphysics Hyperphysics Physics Hypertextbook Physics Hypertextbook
Energy and Power	Khan Academy	Physics Classroom (lesson 2d-e)	Physics Hypertextbook
Series and Parallel	Khan Academy	Openstax Text (p 808)	Hyperphysics

		Physics Classroom (lesson 4a-d)	Physics Hypertextbook
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Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Kirchhoff's Laws	Mechanical Universe Khan Academy Khan Academy	Openstax Text (p 824)	Hyperphysics Physics Hypertextbook
Solving a circuit	Flipping Physics Khan Academy	Physics Classroom (lesson 4e)	Hyperphysics
How to use meters properly	Khan Academy	Openstax Text (p 829)	Hyperphysics
Resistor-building equation	Youtube	Openstax Text (p 775)	Hyperphysics
Capacitors (initial and steady-state behavior)	* Youtube * Youtube	* Openstax Text (p 469)	* Physics Hypertextbook

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Qualitative changes in a circuit	Mechanical Universe Youtube		
Non-ohmic resistances	Flipping Physics		
Non-ideal batteries	Youtube	Openstax Text (p 816) Openstax Text (p 432)	Physics Hypertextbook
Capacitors (transient behavior)	* Youtube Physics 2 Lounge Video	* Openstax Text (p 469)	* Physics Hypertextbook * Physics Hypertextbook
Current Density	* Youtube	* Openstax Text (p 395)	* Hyperphysics
The drift velocity of charge carriers	* Youtube	* Openstax Text (p 395)	* Hyperphysics

Unit 10: Magnetic Fields

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> <input type="checkbox"/> Bar Magnets <input type="checkbox"/> Magnetic Field <input type="checkbox"/> Magnetic Force on a charge or wire 	<ul style="list-style-type: none"> <input type="checkbox"/> Circular motion of charges in a magnetic field <input type="checkbox"/> Magnetic field due to a straight wire <input type="checkbox"/> Motion through crossed E- and B-fields 	<ul style="list-style-type: none"> <input type="checkbox"/> Biot-Savart Law <input type="checkbox"/> Magnetic Field due to a solenoid <input type="checkbox"/> Ampere's Law <input type="checkbox"/> B-field inside a cylinder, uniform or non-uniform current density

Supports for Each Topic

Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Bar Magnets	Youtube Mechanical Universe	Openstax Text (p 494)	
Magnetic Field	Mechanical Universe Khan Academy	Openstax Text (p 496)	Hyperphysics Physics Hypertextbook
Magnetic Force on a charge or wire	Youtube Physics 2 Lounge Video	Openstax Text (p 506)	Hyperphysics Physics Hypertextbook

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Circular motion of charges in a magnetic field	Youtube	Openstax Text (p 501)	
Magnetic field due to a straight wire	Youtube Youtube Khan Academy Physics 2 Lounge Video	Openstax Text (p 540)	
Motion through crossed E- and B-fields	Youtube	Openstax Text (p 514)	

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Biot-Savart Law	Youtube (watch 13 and 14)	Openstax Text (p 536)	Hyperphysics
Magnetic Field due to a solenoid	Youtube	Openstax Text (p 555)	
Ampere's Law	Youtube	Openstax Text (p 549)	Hyperphysics Physics Hypertextbook
B-field inside a cylinder, uniform or non-uniform current density	Youtube	Openstax Text (p 560)	

Unit 11: Electromagnetism

Foundational	Supporting	Advanced Application
<ul style="list-style-type: none"> <input type="checkbox"/> Magnetic Flux <input type="checkbox"/> Faraday's Law <input type="checkbox"/> Inductors (what they do conceptually) 	<ul style="list-style-type: none"> <input type="checkbox"/> Lenz's Law <input type="checkbox"/> How flux can be changed <input type="checkbox"/> Using calculus to determine induced current/emf <input type="checkbox"/> Structure of an inductor <input type="checkbox"/> Inductors in circuits (initial and steady-state behavior) 	<ul style="list-style-type: none"> <input type="checkbox"/> Integrating varying B-field across a rectangle to get flux <input type="checkbox"/> Motional EMF causing a retarding force on a moving object <input type="checkbox"/> Inductors in circuits (transient behavior)

- Full Form of Maxwell's Equations

Foundational			
Topic	Video Supports	Text-Based Supports	Additional Supports
Magnetic Flux	Youtube	Openstax Text (p 582)	Physics Hypertextbook
Faraday's Law	Youtube Khan Academy	Openstax Text (p 582)	Hyperphysics Physics Hypertextbook
Inductors (what they do conceptually)	Youtube	Openstax Text (p 627)	Physics Hypertextbook

Supporting			
Topic	Video Supports	Text-Based Supports	Additional Supports
Lenz's Law	Youtube	Openstax Text (p 586)	Physics Hypertextbook
How flux can be changed	Youtube Mechanical Universe	Openstax Text (p 582)	
Using calculus to determine induced current/emf	Youtube	Openstax Text (p 582)	
Structure of an inductor	Youtube	Openstax Text (p 631)	
Inductors in circuits (initial and steady-state behavior)	Youtube	Openstax Text (p 639)	

Advanced			
Topic	Video Supports	Text-Based Supports	Additional Supports
Integrating varying B-field across a rectangle to get flux	Youtube		
Motional EMF causing a retarding force on a moving object	Youtube	Openstax Text (p 582)	
Inductors in circuits (transient behavior)	Youtube	Openstax Text (p 639)	Physics Hypertextbook Physics Hypertextbook
Full Form of Maxwell's Equations	Mechanical Universe	Openstax Text (p 700)	Hyperphysics Physics Hypertextbook Physics Hypertextbook