

Hello! This is Torquey's guide of YouTube review material for AP Physics 1, AP Physics C (Mechanics + E&M), and MORE! We hope you'll find these helpful if you're studying for a test (last-minute cram session and/or well-planned study time) or if you just want to learn more about cool physics topics! These are videos we have watched and loved.

Note: This is a living document — if you have a video YOU LOVE and want to include it, please leave a comment and we'll add it when we can!

MECHANICS

<https://www.youtube.com/watch?v=NGWcaO-sJrg&t=298s> Deriving Drag Force

https://www.youtube.com/watch?v=K_R8WGnm5mU&t=63s Simple harmonic motion derivation

<https://www.youtube.com/watch?v=Iin29KFE4So&t=366s> Contact force review

https://www.youtube.com/watch?v=UaBPwH3_odU&t=429s Multiple string dragging review

<https://www.youtube.com/watch?v=ddfmMY75JTI&t=604s> Multiple pulley problem

https://www.youtube.com/watch?v=mACpLjE_XKk&t=1195s Electric field calculus derivation

<https://www.youtube.com/watch?v=XHrn8vjuUD8> GREAT Ampere's Law Review

<https://www.youtube.com/watch?v=WiXVQ5DZbqc&t=1118s> GREAT Biot-Savart Law Review

<https://www.youtube.com/watch?v=kpQLcRtUWtc&pp=ygUZZ2F1c3MgbGF3IHdlIGFyZSBzaG93Ym9hdA%3D%3D> GREAT Gauss' Law Review

<https://www.youtube.com/watch?v=F2tm8UyE4co> Ultimate Mechanics Review

E&M

https://www.youtube.com/watch?v=mACpLjE_XKk&t=1195s Electric field calculus derivation

<https://www.youtube.com/watch?v=XHrn8vjuUD8> GREAT Ampere's Law Review

<https://www.youtube.com/watch?v=WiXVQ5DZbqc&t=1118s> GREAT Biot-Savart Law Review

<https://www.youtube.com/watch?v=kpQLcRtUWtc&pp=ygUZZ2F1c3MgbGF3IHdlIGFyZSBzaG93Ym9hdA%3D%3D> GREAT Gauss' Law Review

<https://www.youtube.com/watch?v=AgdEzKjOFKk&t=108s> Maxwell's Equations Review

<https://www.youtube.com/watch?v=Sn1GVo2btKA&t=977s> Magnetic Field review

<https://www.youtube.com/watch?v=yOv4xxopQFQ&t=459s> Electric Flux & Gauss' Law review

<https://www.youtube.com/watch?v=IACKfk9VhEk&t=655s> RC circuit review

<https://www.youtube.com/watch?v=FjGMp-S9WiA> Ultimate E&M Review

PHYSICS 1

<https://www.youtube.com/watch?v=CwkhvFlNFpo&pp=ygUcYXAgcGh5c2lscyAxIHVsdGltYXRlIHJldmllldw%3D%3D> Physics 1 Final Exam Review

https://www.youtube.com/watch?v=HONuJrwrYDw&list=PLPyapQSxH6mb62DDbqhnHrXlriWlUjLdY&index=3&ab_channel=FlippingPhysics Projectile Motion - AP

Physics 1: Kinematics Review Supplement

https://www.youtube.com/watch?v=OyMlPfJ6Kpk&list=PLPyapQSxH6mb62DDbqhnHrXlriWlUjLdY&index=6&ab_channel=FlippingPhysics AP Physics 1: Dynamics

Review (Newton's 3 Laws and Friction)

https://www.youtube.com/watch?v=WFgFV1eeXYg&list=PLPyapQSxH6mb62DDbqhnHrXlriWlUjLdY&index=9&ab_channel=FlippingPhysics AP Physics 1: Work, Energy

and Power Review

https://www.youtube.com/watch?v=b05Y1x1wcuo&list=PLPyapQSxH6mb62DDbqhnHrXlriWlUjLdY&index=12&ab_channel=FlippingPhysics AP Physics 1: Rotational

Dynamics Review

https://www.youtube.com/watch?v=NPyfINCcPCo&list=PLPyapQSxH6mb62DDbqhnHrXlriWlUjLdY&index=13&ab_channel=FlippingPhysics AP Physics 1: Universal

Gravitation Review

https://www.youtube.com/watch?v=179w8hZqNCQ&list=PLPyapQSxH6mb62DDbqhnHrXlriWlUjLdY&index=15&ab_channel=FlippingPhysics AP Physics 1: Equations to

Memorize

OTHER

<https://www.youtube.com/watch?v=j-993mWNcHk> Quarks intro

https://www.youtube.com/watch?v=184eP_KuXek States of matter

<https://www.youtube.com/watch?v=GoQ4UAiKacw> Higgs mechanism (standard model)

<https://www.youtube.com/watch?v=GoQ4UAiKacw> Neutron stars