James Reynolds physics you tube videos

L2 Physics: AS91171 Mechanics:

**Motion:**

-Kinematics: [https://www.youtube.com/watch?v=-uStTu-zdJA&feature=youtu.be](https://www.youtube.com/watch?v=-uStTu-zdJA&feature=youtu.be&fbclid=IwAR37m5WInz8TdinVyu9-sbO7b82rkFh0UPadJQao75r6mku6BIvkArISozw)

-Vertical Motion: [https://www.youtube.com/watch?v=tXP6nqSGZ1E&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DtXP6nqSGZ1E%26feature%3Dyoutu.be%26fbclid%3DIwAR2Im13fe3h05jzLhtE1Vqpxd4Za9j9ZRjnbfsOICUz8W-zaVRRes2el-yc&h=AT1RzXOYnJQYUnCwfu5pvHnlsGbb-5FZT-JJxwqXxONX5jcLhv1WzE4aqzfya2BrPjavEAjv4CCiyM2Br4_KWbus8lJ_NVUGyW-g56v_jf30bnKdJQLixe04SikbQv4ot02EQCawtA)

-Projectile Motion: [https://www.youtube.com/watch?v=NWNbXzrmy8Y&feature=youtu.be](https://www.youtube.com/watch?v=NWNbXzrmy8Y&feature=youtu.be&fbclid=IwAR0bWHymkdjZNOcp_ekh2o9gQvgKDBBy2v5ks0V5BoA1xQaoMvIDrv9QZ8c)

-Projectile Motion Angle Example: [https://www.youtube.com/watch?v=E8444gEh3ao&feature=youtu.be](https://www.youtube.com/watch?v=E8444gEh3ao&feature=youtu.be&fbclid=IwAR3S7RM1HTujCwBRodr1tRdJC-lTjBNdFXvvBKffSqPUj9Kcq1CMfX3Cr7o)

**Forces:**

-Force Components: [https://www.youtube.com/watch?v=zHSNsBN8k9E&feature=youtu.be](https://www.youtube.com/watch?v=zHSNsBN8k9E&feature=youtu.be&fbclid=IwAR1ct-04_9eVKiyMs5aD9IWkVkB9fIEjHaycHKlAutRUwQlMCPuVFpQRFhk)

-Torque and Equilibrium: [https://www.youtube.com/watch?v=zHSNsBN8k9E&feature=youtu.be](https://www.youtube.com/watch?v=zHSNsBN8k9E&feature=youtu.be&fbclid=IwAR1w4ictFFSZqovqZHUfkU-tmEOOp_ga2NQTAyCu9drdZ58tcQpOFxlOgtY)

Hooke’s Law and Circular Motion: [https://www.youtube.com/watch?v=9UnoDnzyIuA&feature=youtu.be](https://www.youtube.com/watch?v=9UnoDnzyIuA&feature=youtu.be&fbclid=IwAR37m5WInz8TdinVyu9-sbO7b82rkFh0UPadJQao75r6mku6BIvkArISozw)

Momentum, Change in Momentum, Impulse and Collisions: [https://www.youtube.com/watch?v=9UnoDnzyIuA&feature=youtu.be](https://www.youtube.com/watch?v=9UnoDnzyIuA&feature=youtu.be&fbclid=IwAR19QHbbdWKk_R4c9N5AYFiPClr4ciZgFv2KqjdsqloOAAYnwQKEouH0h10)

AS91173 Electromagnetism:

Static Electricity: [https://www.youtube.com/watch?v=8w17S1Vd5BY&feature=youtu.be](https://www.youtube.com/watch?v=8w17S1Vd5BY&feature=youtu.be&fbclid=IwAR32RIGrS0c7pqwM_PJE_x0OBKwOSkhWXv00eIsLdfJ5QG3_2GR4P5y3g-0)

Circuits: [https://www.youtube.com/watch?v=0MHUhhLQbRk&feature=youtu.be](https://www.youtube.com/watch?v=0MHUhhLQbRk&feature=youtu.be&fbclid=IwAR2Im13fe3h05jzLhtE1Vqpxd4Za9j9ZRjnbfsOICUz8W-zaVRRes2el-yc)

Electromagnetism: [https://www.youtube.com/watch?v=Tr6MehS1zlE&feature=youtu.be](https://www.youtube.com/watch?v=Tr6MehS1zlE&feature=youtu.be&fbclid=IwAR1ct-04_9eVKiyMs5aD9IWkVkB9fIEjHaycHKlAutRUwQlMCPuVFpQRFhk)

AS91172 Nuclear and Atomic:

History of the Atom: [https://www.youtube.com/watch?v=BBemdYsBSbs&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DBBemdYsBSbs%26feature%3Dyoutu.be%26fbclid%3DIwAR30MVxzl39mQfin1rce-srTBkMCZTutUzEXmTEdJVIPNEGv6tzq3JtKgg4&h=AT1do4s9SXeWeYtRm7LH-3mX-UcWxHAF1B2gDUi0LE9vSbqxgXN9ExflsszX1dm5OAc4mWHsHfmRTKhHM-nAv-rErCdIaz1HqCRAt8bfwy4ilsDO7K6g20oAAlnRr3PS_S3wsK6rSg)

Radioactivity Types and Nuclear Reactions: [https://www.youtube.com/watch?v=BBemdYsBSbs&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DBBemdYsBSbs%26feature%3Dyoutu.be%26fbclid%3DIwAR1SpwvGZ4eXwIG3SDhu-6oSVRW6JLwAUDM7lcN5G4ZNe791lWbgXa5iDo4&h=AT1do4s9SXeWeYtRm7LH-3mX-UcWxHAF1B2gDUi0LE9vSbqxgXN9ExflsszX1dm5OAc4mWHsHfmRTKhHM-nAv-rErCdIaz1HqCRAt8bfwy4ilsDO7K6g20oAAlnRr3PS_S3wsK6rSg)

Nuclear Fission, Fusion and Half-Life: [https://www.youtube.com/watch?v=odghl-yfxAY&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3Dodghl-yfxAY%26feature%3Dyoutu.be%26fbclid%3DIwAR3fqdRqgW0GFvaeTqTYr9XAXpYN5tVTdd1Ra1-ttAM2CDC5LGy2V9eFD-Y&h=AT29VITjCW3PFSL1tsDg_hu6UgoCK2mZf3ugR3nfRo5uVyaj4O6QUMv46XCpXX12fOQ1S_MnbRiIUDDOiWIvjrgvjbBCTDxiPXZItQLpWsc8IXxYnI42bGQWFZcmVXpXNGEeJCqOCA)

L3 Physics: AS91524 Mechanics:

**Translational Motion:**

-Conservation of Momentum in 2D: [https://www.youtube.com/watch?v=laIEh9NgpQw&feature=youtu.be](https://www.youtube.com/watch?v=laIEh9NgpQw&feature=youtu.be&fbclid=IwAR1QgDlhFWEe805r-cyhLExUY0sYoQaKRE9a4S_H-k1GWTgoUjx6e_lO5TM)

-Change in Momentum in 2D and Impulse: [https://www.youtube.com/watch?v=zmgTt1SEbMw&feature=youtu.be](https://www.youtube.com/watch?v=zmgTt1SEbMw&feature=youtu.be&fbclid=IwAR3uurjFTcP4KiBTTsV_rGPp7apejjEP98POeCUJf_TS4xRZ76GO24gSTMA)

-COM and Systems: [https://www.youtube.com/watch?v=8GDPpuAD\_ns&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D8GDPpuAD_ns%26feature%3Dyoutu.be%26fbclid%3DIwAR00C_GSHsNhflOiN-UJDu3tA_B0ACQEKSzovF5FTPnBiXOZbRnwjKeyjyY&h=AT3XVNm3dXa3q0zuVo3BRxpskfquMDPsaSb-bm_Qdnfo5FEh5SFGIh-96XDwYw2ZIWPFZCNw05rQQ4O_WjCmeu3YQRZ7B2ntGAXGbfMoA8TCYQTJRyEgWAQ64MjxQm58EIq-iM3ziw)

**Circular Motion:**

-Horizontal Circular Motion: [https://www.youtube.com/watch?v=xjxCZuR-Vt8&feature=youtu.be](https://www.youtube.com/watch?v=xjxCZuR-Vt8&feature=youtu.be&fbclid=IwAR18DrAiOWmnM0RQgyMOwdQ8GG2Wv-FX05EL3xCAp_fma-nkaPdhccahcTs)

-Vertical Circles: [https://www.youtube.com/watch?v=8wBAL6v5phE&feature=youtu.be](https://www.youtube.com/watch?v=8wBAL6v5phE&feature=youtu.be&fbclid=IwAR1Sw7vzldOm-H-zkadxRqVVOwDPC0xorffyqHBQ2Jn4sChyL5dP4O9J2KI)

-Orbital Motion: [https://www.youtube.com/watch?v=RBNXNIQBjs4&feature=youtu.be](https://www.youtube.com/watch?v=RBNXNIQBjs4&feature=youtu.be&fbclid=IwAR173HTAtSx5hvOX5zgyLyhjs_MjlnLSIapkILWexcs2-ILmaVWYmt17Y0k)

**Rotational Motion:**

-Rotating Motion, Angular Displacement, Speed and Acceleration: [https://www.youtube.com/watch?v=J6KRAlDAGbM&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DJ6KRAlDAGbM%26feature%3Dyoutu.be%26fbclid%3DIwAR0L4jojm-DiMWcucppFYMZ8xwGdTE0fl18TU7FRkRyhHZ-wQg6rCTwitno&h=AT3mgJkeMofTE-Zzr-BBNGa37pRDsrz5oRW8N5x0lWX1DVOreUAj_pZzxTN_BXIfU86jRHXbEl7jaYXGoRx6bj5cYzI0uV8GWocgTHV45eSc1wXOz4h_sPRmzjji9-uiNYvhcSfbVA)

-Rotational Kinematic Equations: [https://www.youtube.com/watch?v=bbf1m06NZqc&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3Dbbf1m06NZqc%26feature%3Dyoutu.be%26fbclid%3DIwAR2Im13fe3h05jzLhtE1Vqpxd4Za9j9ZRjnbfsOICUz8W-zaVRRes2el-yc&h=AT1jjfBpb9bEdJ2EXUi2CNWGqzwXUNwEPOcDMXjfzxrsQ3mCRi6TiMPjngNwUdjjfliGxvotA5S5ZUkLJ8kf-xiuwSdd63pffpl9H8fVjC8_wjtx3KZy3RozWCyYWU5iySGUCjF3ug)

-Rotational Inertia and Torque: [https://www.youtube.com/watch?v=mAZVsktsoKU&feature=youtu.be](https://www.youtube.com/watch?v=mAZVsktsoKU&feature=youtu.be&fbclid=IwAR3LSjInh481ahM-Wp1DQmhLJWDZyYLBv3pg2qCMr_Ls1vmrihKtsJs_iv8)

-Angular Momentum and Rotational Kinetic Energy: [https://www.youtube.com/watch?v=0MnypwJcdqo&feature=youtu.be](https://www.youtube.com/watch?v=0MnypwJcdqo&feature=youtu.be&fbclid=IwAR2G6ofuTcV5pLLGhIsfB5pdRcg9l8QRoEPo-p1SVc72-eJoHHdycvgFVl4)

**SHM:**

-SHM and the Reference Circle: [https://www.youtube.com/watch?v=hUJz1O8l9XU&feature=youtu.be](https://www.youtube.com/watch?v=hUJz1O8l9XU&feature=youtu.be&fbclid=IwAR05YSMioIXGLyLFye_rNcBOcJAuj7Tn7V9wlUjhvikPny5O5gsX8NjaNgQ)

-y, v and a Phasors and a Reference Circle Example: [https://www.youtube.com/watch?v=w6VQ6uuAxbk&feature=youtu.be](https://www.youtube.com/watch?v=w6VQ6uuAxbk&feature=youtu.be&fbclid=IwAR3uurjFTcP4KiBTTsV_rGPp7apejjEP98POeCUJf_TS4xRZ76GO24gSTMA)

-Natural Frequencies: [https://www.youtube.com/watch?v=2puaXIILXMk&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D2puaXIILXMk%26feature%3Dyoutu.be%26fbclid%3DIwAR0L4jojm-DiMWcucppFYMZ8xwGdTE0fl18TU7FRkRyhHZ-wQg6rCTwitno&h=AT15Ib2OEy4xbhCTM6Lgm2oh4PIbA7wWrs_Kyvb7pBCOPRT6eynNUZhGU0b_L3J-lQvUi7TQMkgSktYwgkoOmDDlBmyo5J2vgxqZBOuz1ldDG1EQIf5XxIbqmncqCgg26gGuGN6LjQ)

-Energy in SHM: [https://www.youtube.com/watch?v=-TakpX2AQZI&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D-TakpX2AQZI%26feature%3Dyoutu.be%26fbclid%3DIwAR2J_-Mw8yaTYUBrHPR2ESF8i2PliG-7q2BPHo5erqhlnc0uqjyjf6wTcMI&h=AT1wLzCWQoA1N59nNRO7KRDvb8gECsbscbhMIdxWXci4TYlFol09eCFG5HS6rWZNvwfWsi6Fnqno-eKiErXgxbpEob-NkMl7VF1ubuTQzh4MjxqM4o0Y3VOysjOdNidkRnt3bfYkvA)

-Damping, Forced SHM and Resonance: [https://www.youtube.com/watch?v=0GtGlRV8i64&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D0GtGlRV8i64%26feature%3Dyoutu.be%26fbclid%3DIwAR3xe-p-jt_6OVKuu0nw_r31EhTMVytzTqsVlZMnNloU5k1fWcLSxEjgKrM&h=AT1JVrZ_N_oofCXlShFigQZf7A1UpDdvB62gbwzv5BwWLmzaC5mU5XJoUJL2-KNPtSxAEUD2T8w9Ww00c4gv7JKerm5eyameUPj_eSg8x0lImtRzBin_GPB5opSIg9l2V_dtLrMmmw)

**AS91523 Waves:**

Wave Basics: [https://www.youtube.com/watch?v=oPw\_yfMU01Q&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DoPw_yfMU01Q%26feature%3Dyoutu.be%26fbclid%3DIwAR30MVxzl39mQfin1rce-srTBkMCZTutUzEXmTEdJVIPNEGv6tzq3JtKgg4&h=AT0mdqml7wc3L-fUwt9nRNWnfZ8PZODyHIz-D7u4dytCRCyQ3ZMueVL_U5BzBz25EuZ6n9eyP8Saq7VOuPDQ7udvx6u32LPNT4hSJkwObqIlvhyAW4NkDnH-uauh7wckOWCZfJx-QQ)

Standing Waves: [https://www.youtube.com/watch?v=Syuk7o7P5Og&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DSyuk7o7P5Og%26feature%3Dyoutu.be%26fbclid%3DIwAR2jRVN4i1dOO11Zvm-mwqwrDaN71f7-cXbB9oEEsPv2yuzoeZvrWbYncMo&h=AT1bn0fLqR-pNrmAPFTG-t1S7ghb4TB2H49Ef60tZRKCDJhozm1JDXOiaQahJR76soBbhTBwpZaPrZOVN0OA4Jzu8QhY0OCa2rk6QxDXjMptd5-zrDeW_lASH0tU7tLqu-LrwOLHcQ)

Interference: [https://www.youtube.com/watch?v=exdRUrx6i8I&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DexdRUrx6i8I%26feature%3Dyoutu.be%26fbclid%3DIwAR2oJ7MQZCedslQ0O8WQk1B2Wjgg3P4QOPezVs-xvLO9SoRueHmKHWCjOZ8&h=AT0DHSyqON3fQBWj_RJmyKqMjhxVI2yRJU2cmcRc6UqwhatvKNrFAs-QBUplFexGo28KOxXHb6pj4F0JHWqZvLTaWijYFdKxwjLHAfVubVgUvubY6dJlOsEnPuFx8wTum4I51HXphA)

Doppler Effect: [https://www.youtube.com/watch?v=yehJaXqvNHs&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DyehJaXqvNHs%26feature%3Dyoutu.be%26fbclid%3DIwAR2uNanIxRMRxoLkBAsVq0APMjd-4niQbGOQuVDyYu992sYguMuiWwnsd_A&h=AT3_xdL1CC0t9AZ5rjnsYAjn4egs-su6ubyRkdyWi8BG4gtqhK-BSXzuISZAVpteC9wDKHVX6nVSIoK7iwJrmIPrtGMNOryCryap_EwbtM87a1ams7cj7ZvK_QAmkAN5z6dO7Uonkg)

AS91526 Electrical Systems:

**Circuits:**

-Internal Resistance: [https://www.youtube.com/watch?v=PYcDFt7RLdo&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DPYcDFt7RLdo%26feature%3Dyoutu.be%26fbclid%3DIwAR1ct-04_9eVKiyMs5aD9IWkVkB9fIEjHaycHKlAutRUwQlMCPuVFpQRFhk&h=AT0X6bIF7DOi-ShN7f7JdTCWy5YcRfad1Mw7338IKLBpGMGPyLSKu-j29FB7_hNYKT-eCtk7UDihTu6oVdyffeF_SItzpSxcWP-KhBz5IPKoFaAfor3EWY0XlsLi-6Hed4-Iu_oRew)

-Kirchoff’s Laws: [https://www.youtube.com/watch?v=WdqT2NnpLqg&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DWdqT2NnpLqg%26feature%3Dyoutu.be%26fbclid%3DIwAR3xWemecjGS5zv_pdeqCyVC8GYoi9uYVLUxdioSi_owHkEfPzamu6IJ4xw&h=AT1UDu74sC_Z7T46bdQmC2cj763ylIU_R3UY6C-OAU5Ml01d0oZwOJAogatPG0_Q6tn_eRm02SpYtvn0tRRQe0_WCFD9ZthcSVfH3WmvFPEsb5V2iE9PIe_qQ_Xd8dIYqQPlF3RiEg)

**Capacitors:**

-Capacitors: Overview: [https://www.youtube.com/watch?v=xFf0aVZDdhA&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DxFf0aVZDdhA%26feature%3Dyoutu.be%26fbclid%3DIwAR0L4jojm-DiMWcucppFYMZ8xwGdTE0fl18TU7FRkRyhHZ-wQg6rCTwitno&h=AT3JiTBUWs3jhQy30yvUBfOMFb0xfR88Mejo41qu1fSsqNtlDt8NutULkDxGqTls2HBOY1TKFLnHVFwAY0nINxPZHsrv5iw5x7Fz1ZIIpcNXRGFPE-nrYXy2wfUYWawkVVi9rJ-PJw)

-Capacitors: Charging and Discharging: [https://www.youtube.com/watch?v=\_TzH4mbRC8M&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3D_TzH4mbRC8M%26feature%3Dyoutu.be%26fbclid%3DIwAR37m5WInz8TdinVyu9-sbO7b82rkFh0UPadJQao75r6mku6BIvkArISozw&h=AT12DuEihWeyae8BhgG7q1vGgR0fIyQELIWVbfR8rcD5pZ_Kw4oNp3x24n0xI6Ku-1Bq4PGgW5accQBPHyIy8WtdWMBKFGQ2xznjBnvzwEQ2wb7HzLK6abivyq6QE2ZqU64_j6NmaA)

-Capacitors: Energy, Parallel and Series Combinations: [https://www.youtube.com/watch?v=A2aXRqU\_KnM&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DA2aXRqU_KnM%26feature%3Dyoutu.be%26fbclid%3DIwAR2J_-Mw8yaTYUBrHPR2ESF8i2PliG-7q2BPHo5erqhlnc0uqjyjf6wTcMI&h=AT18tgOq0U24DUIyhblgwh_btUomOw_mIhIcKZiOP4Yx7YaDmj3rL84WNpSBzPJRpPyGTMQRgE7S6Jl3ACp_L0xFpUxs4UGf5KlIoroyfI1bjCHlRrmFKM4JA-G_NAi9W3UJBi3gSQ)

**Inductors:**

-Magnetic Flux: [https://www.youtube.com/watch?v=KEZRCA3ukTQ&feature=youtu.be](https://www.youtube.com/watch?v=KEZRCA3ukTQ&feature=youtu.be&fbclid=IwAR1w4ictFFSZqovqZHUfkU-tmEOOp_ga2NQTAyCu9drdZ58tcQpOFxlOgtY)

-Faraday’s and Lenz’s Law: [https://www.youtube.com/watch?v=wl7b3woQXmI&feature=youtu.be](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3Dwl7b3woQXmI%26feature%3Dyoutu.be%26fbclid%3DIwAR3xWemecjGS5zv_pdeqCyVC8GYoi9uYVLUxdioSi_owHkEfPzamu6IJ4xw&h=AT06u8asXPtkgk2Cdbw4zsvB-1CfHjQiZ5Pp3XkAh04ORnBS7eIptwoZjBuAE5P19MzgEPJYxu-HGQYVAJ9dfOUsbhwQsbdoE_WgqVH5CLUzEO-LVpFtUHaybLD3vUweqyj89RQmLg)

-Transformers (Robots in Disguise): [https://www.youtube.com/watch?v=DbctCs4EsXg&feature=youtu.be](https://www.youtube.com/watch?v=DbctCs4EsXg&feature=youtu.be&fbclid=IwAR1Sw7vzldOm-H-zkadxRqVVOwDPC0xorffyqHBQ2Jn4sChyL5dP4O9J2KI)

-Self-Inductance and the Inductor: [https://www.youtube.com/watch?v=rnNkTXYAvsw&feature=youtu.be](https://www.youtube.com/watch?v=rnNkTXYAvsw&feature=youtu.be&fbclid=IwAR13SSLvwjJjzIHB7wTGSVM1sXzmrgjxqkEckknN0SltW3DluOGwTHTuP_I)

-Time Constants, Charging, Discharging and Energy Stored in an Inductor: [https://www.youtube.com/watch?v=ztEQLSIAxLI&feature=youtu.be](https://www.youtube.com/watch?v=ztEQLSIAxLI&feature=youtu.be&fbclid=IwAR3fqdRqgW0GFvaeTqTYr9XAXpYN5tVTdd1Ra1-ttAM2CDC5LGy2V9eFD-Y)

-Capacitor and Inductor Summary: [https://www.youtube.com/watch?v=wk\_KMjEDDL8&feature=youtu.be](https://www.youtube.com/watch?v=wk_KMjEDDL8&feature=youtu.be&fbclid=IwAR1pG_XY9uXUywPegAlKfZUsB41vKcICi6vvjHMMhJOcRwQbqFMTsyfVKec)

**AC:**

-AC and RMS Values: [https://www.youtube.com/watch?v=AMf5pjl7wRM&feature=youtu.be](https://www.youtube.com/watch?v=AMf5pjl7wRM&feature=youtu.be&fbclid=IwAR1P95QmNAcAKKvH6S79L2Od7AEWgpjON16mzGhBowspJ9Txz2d_7LkoRok)

-Reactance of Capacitors and Inductors: [https://www.youtube.com/watch?v=dcIdLUvBFW8&feature=youtu.be](https://www.youtube.com/watch?v=dcIdLUvBFW8&feature=youtu.be&fbclid=IwAR1w4ictFFSZqovqZHUfkU-tmEOOp_ga2NQTAyCu9drdZ58tcQpOFxlOgtY)

-LR, RC, LRC Circuits and Impedance: [https://www.youtube.com/watch?v=t\_ANp1zMWAo&feature=youtu.be](https://www.youtube.com/watch?v=t_ANp1zMWAo&feature=youtu.be&fbclid=IwAR1Sw7vzldOm-H-zkadxRqVVOwDPC0xorffyqHBQ2Jn4sChyL5dP4O9J2KI)

-AC Resonance: [https://www.youtube.com/watch?v=RLpjfRQz250&feature=youtu.be](https://www.youtube.com/watch?v=RLpjfRQz250&feature=youtu.be&fbclid=IwAR1Y84ztpTMuqC6osVLDxWeU-eSzvZucJjPpOETmvk9s6Ds1_CRU9Iqm2rk)

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Nuclear Reactions: [https://www.youtube.com/watch?v=Hdo2ZuN3EdU&feature=youtu.be](https://www.youtube.com/watch?v=Hdo2ZuN3EdU&feature=youtu.be&fbclid=IwAR2iTUHrQz9iuQIEbaG9zW2bIVQLco4piJTlOsbALqKvvoE99StU8pLzggk)

Atomic Spectra: [https://www.youtube.com/watch?v=q2GkpvDv9N0&feature=youtu.be](https://www.youtube.com/watch?v=q2GkpvDv9N0&feature=youtu.be&fbclid=IwAR2jRVN4i1dOO11Zvm-mwqwrDaN71f7-cXbB9oEEsPv2yuzoeZvrWbYncMo)

The Photoelectric Effect: [https://www.youtube.com/watch?v=AW21HdgY6rg&feature=youtu.be](https://www.youtube.com/watch?v=AW21HdgY6rg&feature=youtu.be&fbclid=IwAR32RIGrS0c7pqwM_PJE_x0OBKwOSkhWXv00eIsLdfJ5QG3_2GR4P5y3g-0)