| 3rd grade  <https://youtu.be/xUCYFof8QyA?si=I_INhRT8DLwqDipf> - Force and Motion  <https://youtu.be/joVOE3sLeGI?si=mebyDKT2VHqLiAYe> - Forces that cause change  <https://youtu.be/suQDwZcnJdg?si=Rpe4puKCkrnFdrXe> - Gravity  <https://youtu.be/ZLDUrPaLQWE?si=Kp5zTMLCTYS3HqEu> - Push and Pull  <https://youtu.be/rfeVlNL7d9U?si=-0Q3VjT5wf2ekghn> - How things move  <https://youtu.be/5-2NLHB4Gxg?si=1t_gZRbenHdWbrxi> - What is force  <https://youtu.be/-lOyW3pEUl0?si=H27yugn9xMe1_zos> - More push and pull  <https://youtu.be/JvSClZ3vHOI?si=lVsZpZyZ3onG9ZFZ> - swings, slides, and science  <https://youtu.be/y6VjHcOX8_o?si=XmFlS_XqEA20QNkt> - ramps  <https://youtu.be/qN0V0NXV3Kw?si=lLDm6pO4NEirzNnE> - what is friction  <https://youtu.be/Ps90zArJEJY?si=ZiW62NnoP957FC9U> - Slipping, sliding science  <https://youtu.be/EwY6p-r_hyU?si=FKAsm8C5PP_P03WS> - gravity compilation  <https://youtu.be/tVt4pOEw_KI?si=GXQAw4jhIQE25aRv> - what is gravity  <https://youtu.be/5TAIUCYMlIQ?si=SDy4_gD--pO6yjUx> - sticky balloon trick  <https://youtu.be/ZF3-mwLq6Q8?si=Ixfvz0IAdQhat-2x> - Static Electricity  <https://youtu.be/j918PoWWaB0?si=PzMD0NJF0b8y7F10> - How Do Our Bodies Move?  <https://youtu.be/yXCeuSiTOug?si=8nJssUuTNBCITazt> - Magnetism  <https://youtu.be/DR9w4koW2EA?si=sT8_zmxnPg5W1Ehw> - More magnetism  <https://youtu.be/5b9o7yM7YGE?si=5VOf860ApG9M6cB_> - Where does soil come from  <https://youtu.be/26IO95Xt5WU?si=WKoAhrZLF-_qQNgV> - how compost is made  <https://youtu.be/Q5s4n9r-JGU?si=n4PSSm3LOwSL6PxP> - make the most of compost  <https://youtu.be/l-zc_1vjLnI?si=mABJN_vaT-5Gy1xS> - worms are wonderful  <https://youtu.be/LoEqmnNI3AI?si=r4QXY4vB1M9MdwA9> - What’s it like to live underground  <https://youtu.be/Q-J2FErZHuA?si=6xabe-_IyRTmKlJt> - soil is alive  <https://youtu.be/bgqea0E2eAY?si=16cfjyn0Ix4JH89U> - layers of soil  <https://youtu.be/uo_ntewAemw?si=YJdoPrTbdfXYrzrT> - Soil erosion and conservation  <https://youtu.be/Hnfdq2htoKU?si=U7urvE4nslyxi0JC> - What is soil pollution  <https://youtu.be/kybPmB1zBUw?si=U8Nid9sKdI0tt9j1> - Soil formation  <https://youtu.be/og9A_Apr534?si=uuafWpeRHsLhKGh-> - Layers of soil  <https://youtu.be/qNTOq1uEObc?si=hL92FhRoqzlGbuh-> - Soil Erosion  <https://youtu.be/dRXNo7Ieky8?si=kDTriY7-zoxHobXM> - composting  <https://youtu.be/kWb6HlBhkfQ?si=zyKUEDnzEgFF27s8> - worms  <https://youtu.be/OiLITHMVcRw?si=t3sHsfJTSWlcOmPa> - why soil is one of the most amazing things on Earth  <https://youtu.be/csmmjPfQg9s?si=bfhOlp_6e2HY2bqj> - soil type and characteristics  <https://youtu.be/eCSIrlk0GTs?si=Prk4i33hFcG6LFmF> - Who needs dirt  <https://youtu.be/ownoP8e7Tl8?si=gKw99O55ta4PtSnJ> - Types of soil lesson  <https://youtu.be/VeuQeAxJIjs?si=LIZi61NgSC84zil9> - the soil profile  <https://youtu.be/oVOnRPefcno?si=5R-3w-Cho9hkbWDr> - What makes bridges so strong  <https://youtu.be/owHF9iLyxic?si=t-SEm-a3rlV26Vk7> - What’s an Engineer?  <https://youtu.be/eR2OR3coiX4?si=GeSvfpbV2pqwwRXP> - How high can you stack?  <https://youtu.be/iGRLY08Kn2o?si=grNFqQhJ63VJxWkC> - How to construct stronger buildings  <https://youtu.be/340MmuY_osY?si=ckEosLOiEpbC3WPz> - Materials and their properties  <https://youtu.be/Vqspp8MG1m0?si=N1QokKmJF-HMWvyl> - the strongest shape in a shape  <https://youtu.be/OagyPEhYKxo?si=4wM3cAvZ11dfz8Gs> - the leaning tower of pisa |
| --- |
| 4th grade  <https://youtu.be/RS-WRjue7xk?si=QyiQObqTt6Dzwj4K> - What Are Earthquakes, Volcanoes, and Tsunamis?  <https://youtu.be/nbD31mft1Yg?si=ZX9ZMRIMqWxqulTN> - What are the Seasons?  <https://youtu.be/77iewpNvHgM?si=ip8XVPyvN0EVCsdA> - Let’s Explore the Weather  <https://youtu.be/msVNYOV777A?si=iZrQ3goDeV2irASb> - What is the Water Cycle?  <https://youtu.be/Kgnyue-g7Ws?si=J2aV1Vif_yZTYRMt> - Inertia  <https://youtu.be/4a3jUSFQpT8?si=xboe2MuljkKSuK0J> - Let's Explore Newton's Laws (Part 4), Mass vs Weight  <https://youtu.be/nPWsMcYbSps?si=pr8tsegqFjZGLUg0> - Newton’s First Law  <https://youtu.be/dBcNywnfw0o?si=-k6e8vu_nkJzenVt> - Free Body Diagrams  <https://youtu.be/z-R_UVA6yQ4?si=QRyRWwTGjB-1ICRS> - Let's Explore Newton's Laws (Part 6), Newton's 2nd Law  <https://youtu.be/GXwg1imZr10?si=dAQA10pegqcfABXH> - Action and Reaction Forces  <https://youtu.be/d7yTlp4gBTI?si=ohddSkNof13aAVBH> - Light  <https://youtu.be/d65mdTJaJTI?si=9iboMYKWk-xHWoXn> - Sources of Light  <https://youtu.be/zBosbqByR3c?si=Hv2lub3GaCkVs_7H> - Where does light come from?  <https://youtu.be/LCEqlvHFIhM?si=y_y-kyB8_bnc5TBa> - What is Light Energy?  <https://youtu.be/YuUJCNzfoBw?si=FVLWArPXV5g35fBS> - Light and Shadows  <https://youtu.be/ssB_EgEOuRM?si=iP_aszX95RORD6Jz> - Light and Sound  <https://youtu.be/gdGyvGPZ1G0?si=gFA89meFFxQeJKO7> - What is Sound?  <https://youtu.be/3-xKZKxXuu0?si=5ErzCdW77UtgGx4A> - Sound  <https://youtu.be/UiJn5AqksfQ?si=RrnM94oMisGXh0fd> - More Sound  <https://youtu.be/xc9QT7S1saY?si=B12EY4uZN4Nl2WqV> - What is Sound?  <https://youtu.be/mptjEoHF2aI?si=yeNjTQk8MogZnsMF> - How your Ear Works?  <https://youtu.be/axpCN6Vj9p0?si=erpJWSJCEYR7Gq1a> - Human Eye  <https://youtu.be/HMXoHKwWmU8?si=HP5FiqkyuR4iXscZ> - How Your Ears Work  <https://youtu.be/syaQgmxb5i0?si=OLxNpgspyEUlwcyb> - How Your Eyes Work  <https://youtu.be/MqPSTLJGaho?si=ZT20dKtnYyGdm6Ea> - How do animals communicate?  <https://youtu.be/wk6PkrFVNHg?si=uOMDBiXl8xsG1O5b> - Can Animals Talk to Each Other?  <https://youtu.be/i9qMbTba6qk?si=Qvt1_q9cpHU9Kko9> - Why Noise Pollution is More Serious Than You Thought  <https://youtu.be/AfSMD9dpmXE?si=6qfTg6fPK_P9Ci0y> - Save the Sky by Bethany Stahl  <https://youtu.be/p51FiPO2_kQ?si=og-ciYF5PvLY8iA4> - Living and Nonliving Things  <https://youtu.be/TE6xptjgNR0?si=96zP3FHgHM4_OA1Y> - Seed Germination  <https://youtu.be/yHVhM-pLRXk?si=PDO8Evf-2unh06Br> - Photosynthesis  <https://youtu.be/D1Ymc311XS8?si=OXp1QtX6geOOBKLN> - More Photosynthesis  <https://youtu.be/18amLZ9vfG8?si=Jk6Fn13aidDi1zi_> - Plant Parts and Functions  <https://youtu.be/FYClCHVT00M?si=3Lyy1R5cvpal4kiK> - Fermentation of Yeast and Sugar  <https://youtu.be/byAd_FcehPo?si=Rnm9SHOoOHQOoHBV> - Parts of a Plant  <https://youtu.be/jpO52VTHecQ?si=QHQYWG7Tn3wqqXWf> - Seven Life Processes  <https://youtu.be/K-Dy2yCmK_4?si=PXvunUq2TkPnpc0P> - Ballon Yeast Experiment  <https://youtu.be/tkFPyue5X3Q?si=fmasUs9YkJvg3Mtu> - How does a seed become a plant?  <https://youtu.be/zPqnYYI2Uq8?si=d88YZPahwk9BIgwK> - Learn the Plant Life cycle  <https://youtu.be/R9sn7HZM7uY?si=DTQ6NGGK9lV8AhWy> - Look inside a flower  <https://youtu.be/3dmnqqCFAyM?si=xW1DX2tNyJQcL3ml> - Bean plant life cycle  <https://youtu.be/kjZsKiZZ6dQ?si=uEBXKRrf0sZqjEi6> - Animals and their Habitats  <https://youtu.be/9bQNRVyI4I0?si=TdriZnZ9sAZo1ySE> - Life on the African Savanna  <https://youtu.be/7gHW81mD1vY?si=jxTHP8cqZzlr_rf7> - Lake Habitat: Life in the Shallows |
| 5th grade  <https://youtu.be/La0m_ocR7cQ?si=o7zC6oNKVsuzd5oN> - Look Who’s Talking  <https://youtu.be/p15IrEuhYmo?si=0M5eKBOJOGrmu_rh> - Home Sweet Habitat  <https://youtu.be/uB61rfeeAsM?si=JFOn3DvPGc4wz2zj> - The Dirt on Decomposers  <https://youtu.be/AHCOzc143Ec?si=YqVP4GFfr4rdKxds> - Feed Me: Classifying Organisms  <https://youtu.be/zD7W5O0BH7g?si=sufybe8IBWUPw1Pw> - Organizing Properties  <https://youtu.be/FN6QX43QB4g?si=Ye9wXvq79BFvAFgU> - Landforms, Hey!  <https://youtu.be/ELchwUIlWa8?si=Avf8r1-gln6D5ECt> - What's Matter?  <https://youtu.be/Y0_GLKU0NEY?si=RxQi5ZChu_se4Z6e> - Everything Revolves Around You  <https://youtu.be/6FB0rDsR_rc?si=Q6fB1kt9Px0aZjoG> - Here Comes the Sun  <https://youtu.be/l64YwNl1wr0?si=5CENZp1l4ei58qn4> - Earth's Rotation & Revolution  <https://youtu.be/b25g4nZTHvM?si=USNIw1PB6DX5MNVJ> - Seasons and the Sun  <https://youtu.be/R-Iak3Wvh9c?si=yva1A7wWfALIgd34> - Weathering and Erosion  <https://youtu.be/Vtb3I8Vzlfg?si=8r-4mb6f2xDckoK0> - Food Webs  <https://youtu.be/aGVXyCrpUn8?si=o5s_8eTE4fzsNT1N> - Orbits are Odd  <https://youtu.be/oaQCiwzjnCM?si=QLaWXY5r5JWmdO7f> - The Basics of Freshwater  <https://youtu.be/MuKs9o1s8h8?si=85q6ChMF5nUHLtUX> - Fabulous Food Chains  <https://youtu.be/ljRlB6TuMOU?si=CZZh7wFamiVT6tB0> - Defining Gravity  <https://youtu.be/xMif7OIClFU?si=C04oI7RqWcdQrjUX> - Density plain and simple  <https://youtu.be/BOt_Rhuejgw?si=6_T7RlwtHF0o3YP6> - Photosynthesis/carbon dioxide-oxygen cycle  <https://youtu.be/HpC7zkQlLw4?si=-8uFe-y9kkh4nNyj> - Complete vs incomplete metamorphosis  <https://youtu.be/F0jWIT3oBLA?si=oUUJc8B6MKvZZSCC> - Difference between vertebrate & invertebrate animals?  <https://youtu.be/D1hkGbR0Ubc?si=x6JqVJqnomy5xHpi> - What is an exoskeleton  <https://youtu.be/zuzVV0mprW8?si=M-qyZY74I46dEtqe> - Learned traits vs inherited traits  <https://youtu.be/tN0i5LS7I10?si=dLceQvjPibJx1mNd> - Pollen, Nectar, and Honey: What’s the difference  <https://youtu.be/a6-O-PpNuHU?si=YjmOfeWgtxgsErjx> - Basic needs of a plant  <https://youtu.be/KHpWYb9slaA?si=Vtx8KTi5xj8ZW67M> - What are adaptations  <https://youtu.be/an6aPZgWTz4?si=ScO46_OV9TDvJ-mi> - Osmosis Demo  <https://youtu.be/BOr76Zx48QM?si=gbGS3cUps7mRCAAo> Physical and Chemical Changes  <https://youtu.be/f89MVcqCcqw?si=K7pyHSFq04Bu4K2n> - Matter Changing States  <https://youtu.be/7PuvEDnjqcg?si=tXZA0vLsslrdx_v-> - Properties of Matter  <https://youtu.be/kV2nPOFYEf4?si=tu2MDf1M2dFAKIry> - The Earth’s movements  <https://youtu.be/W2wsHPAkQLY?si=Com1f6sciysYC__5> - Tectonic Plates  <https://youtu.be/kXzzBXWvIgY?si=DpSNJRSq7fWpWcCj> - Electrical Safety  <https://youtu.be/tUmZ9djDHh8?si=DBmldSLOYZz0J7jj> - Renewable and Non-Renewable Energy  <https://youtu.be/O_yHVm5b4jg?si=jjoW6SPsNhMapO-Y> - Rock Cycle  <https://youtu.be/68itGu82HOA?si=CIBDZryBMQBq8Z9K> - Energy transfers  <https://youtu.be/rbaQiLlm9yg?si=t2jEzFUnA0odjKQ0> - Natural and Processed Materials  <https://youtu.be/VcbTV_dNF2I?si=UbgJoWWecEdYRy_T> - Rocks and Fossils  <https://youtu.be/35i16fHAgKs?si=hB-41FLbcJS6qVZH> - Irreversible and Reversible Changes  <https://youtu.be/ilJHx_7b1Zg?si=9hpUvNOk8hujCSKH> - Metals and Non-metals  <https://youtu.be/H1PfqGMdzj8?si=M2CUGRH1g-ZuXPAZ> - Special Properties of Metals  <https://youtu.be/DQssZj7EeJY?si=jwmD8Cz68deSDsur> - Habitats and Adaptations  <https://youtu.be/N1El-c80hDQ?si=KfmI1czl6hpJnA3a> - Life Cycles of Animals  <https://youtu.be/z63_D68Z2R8?si=XxjvmMiAERbBXhWf> - Organs of the body |
| 6th grade  <https://youtu.be/yhhVx9FZ9Hs> - Introduction to Middle school Earth and space science  <https://youtu.be/Pv0Re0YEEq0> - Earth’s place in the universe  <https://youtu.be/tNGVqoOLl-k> - Galaxies and gravity  <https://youtu.be/wTyqO-tfs7Q> - The Solar system  <https://youtu.be/0r9Lc7oYq5M> - Seasons  <https://youtu.be/f592IgRzq2E> - Phases of the moon  <https://youtu.be/WXSHQK56Bfs> - Lunar eclipses  <https://youtu.be/cVh7sTN-uNc> - Solar eclipes  <https://youtu.be/r2dnUvP1JgM> - The water cycle  <https://youtu.be/U5ikrkOGio0> - Weather  <https://youtu.be/jjEfDULyEOg> - Global winds and currents  <https://youtu.be/a9muG72XZ18> - Regional climates  <https://youtu.be/rmH4W92eHVM> - The rock cycle  <https://youtu.be/3LObb5WxMdw> - Fossils and rock layers  <https://youtu.be/7jbwX1Uvd18> - Introduction to plate tectonics  <https://youtu.be/A98wPKiPMJw> - Plate tectonics and the ocean floor  <https://youtu.be/xWWOHttrkWI> - Weather and erosion  <https://youtu.be/sIM0PGv8h08> - Natural resources  <https://youtu.be/rVVoccltP8A> - Natural hazards  <https://youtu.be/ThpzFgoGrKE> - Human impacts on the envirnment  <https://youtu.be/z9xKxciHgo8> - Earth’s changing climate  <https://youtu.be/RL1ODj9tna4?si=SGiO5e54KfkwlR_2> - 3 states of matter and thermal energy  <https://youtu.be/M37m3rJOFNM?si=gWzISyDY6muvpay9> - 3 states of matter  <https://youtu.be/3-e0cfGQndk?si=fYSDalvQZ5Y7eWGF> - what is matter  <https://youtu.be/F0-RZWEtQoo?si=uTIpePBTuH4FyJcd> - What are friction and energy  <https://youtu.be/jJNdlgqL-Yw?si=ZUh7AB98dNrztZzq> - What is energy?  <https://youtu.be/_beQCEMlSQc?si=V00_rQHoHd2nl3qJ> - How to Solve equations for friction and thermal energy  <https://youtu.be/h0ShSIEndFU?si=UCF2URJRv8F1_Mje> - How to solve equations for kinetic and potential energy  <https://youtu.be/CUVsqqzmZpk?si=KkC6J1nJAB-6YyLM> - What units are used in physics  <https://youtu.be/hPdXuZ4XBt8?si=Jl4IJtKcMcZ21fRy> - What is the Solar system?  <https://youtu.be/wx8IHASD5x8?si=ud-Iz0N57UNbT6S2> - Lets explore the plants: Mercury, Venus, and Earth  <https://youtu.be/qncdnPTWt0o?si=tIn2udC-IQbWbXAs> -Lets explore the plants: Mars, Jupiter, Saturn, Uranus, and Neptune  <https://youtu.be/qncdnPTWt0o?si=QjWP3Laac4FUySNc> - Is Pluto a Planet?  <https://youtu.be/nWredgFOshc?si=u6sTq6ekeu8G0rbV> - Lets Explore the Sun  <https://youtu.be/opXG5v9Ho0o?si=KG8kF48JHCEnRTUP> - More about our moon  <https://youtu.be/aDPVUJ4l9U4?si=bZnXcv4wPJ5Q7pZL> - Let’s Explore Our Moon  <https://youtu.be/SIYNn5afegw?si=x-nrHYxdMBZC330b> - Even more about the moon  <https://youtu.be/CiOBhgxdhYo?si=pcmjNdYh4-F64Gel> - The 6 major nutrients  <https://youtu.be/CiOBhgxdhYo?si=8iIUjidKuMvvuRM4> - Nutrients and their functions  <https://youtu.be/j50E_TyDdio?si=sI6GZqVBgtQgkYmp> - What is a wetland?  <https://youtu.be/YsFXU5UipMU?si=RNvit6wzX1-VVVLO> - Why are wetlands important  <https://youtu.be/VnnpLaKsqGU?si=EUBuOfgBCbNEI5cv> - Explaining an Electrical Circuit  <https://youtu.be/25bmXpEPosc?si=0UHpntbIB-orNABW> - Renewable Energy and the Energy Transition  <https://youtu.be/jakJ-Tf79ac?si=0EDqCHXUcg9hprS-> - Fossil Fuels |
| 7th grade  <https://youtu.be/_wmwmMeF3pE> - Introduction to Middle school biology  <https://youtu.be/Uiqro5TUyLA> - Cells and organisms  <https://youtu.be/TVxtlfUwIY0> - Cell parts and their functions  <https://youtu.be/HjC-eMiMDfo> - Comparing animal and plant cells  <https://youtu.be/YE2peDF4Zqg> - Organization in the human body  <https://youtu.be/fMrz3L9bMsI> - Sensory processing and the brain  <https://youtu.be/IZ6EvH240iA> - Sexual and asexual reproduction  <https://youtu.be/txrCIhujs0g> - Animal behavior and offspring success  <https://youtu.be/nJIRCDipw7o> - Plant reproductive success  <https://youtu.be/XEkafr12Wd8> - Organism growth and the environment  <https://youtu.be/_BLShUdXbN4> - Photosynthesis in organisms  <https://youtu.be/wPhjCn9kq5M> - Food and energy in organisms  <https://youtu.be/1RXk1NJpRDI> - Cellular respiration  <https://youtu.be/xzINev2Bd8s> - Population, communities, and ecosystems  <https://youtu.be/i5uF5inpY7s> - Resources and population growth  <https://youtu.be/S65RR_pEyPw> - Competition, predation, and mutualism  <https://youtu.be/_1U6uMmUJZU> - Photosynthesis in ecosystems  <https://youtu.be/qIgL05zOx5U> - Matter and energy in food webs  <https://youtu.be/vGwhsG-4j-0> - Worked example: analyzing an ocean food web  <https://youtu.be/vniXioPlsLA> - Worked example: analyzing a generic food web  <https://youtu.be/DopEBa4nYgA> - Ecosystem dynamics: Clark’s nutcrackers and the white bark pine  <https://youtu.be/bmiVVgF9Hjw> - Biodiversity and ecosystem health: a Hawaiian Islands case study  <https://youtu.be/bT_2MyIRsas> - Humans and ecosystems: how do vultures provide ecosystem services?  <https://youtu.be/taH5kyoQG0Q> - Chromosomes and genes  <https://youtu.be/SbagR2CpP_o> - Chromosome pairs  <https://youtu.be/tfZfLDRu39c> - Genes, proteins, and traits  <https://youtu.be/_9wnC5pta78> - Mutations  <https://youtu.be/oi6yfPgYiFk> - Sexual reproduction and genetic variation  <https://youtu.be/kvwK63Mwhw0> - Genetics vocabulary  <https://youtu.be/VH1lAfZL_fU> - Worked examples: Punnett squares  <https://youtu.be/i3sdIHaa4jQ> - Evolution  <https://youtu.be/Rg3mLbLqKsk> - Common ancestry and evolutionary trees  <https://youtu.be/-fT57zGsXZ8> - Fossils  <https://youtu.be/2f38r4qKkLw> - Earth's fossil record  <https://youtu.be/J6VJ6dS8D1k> - Evidence of evolution: anatomy  <https://youtu.be/3444TjgJ8ro> - Evidence of evolution: embryology  <https://youtu.be/y4BHYYBif3Q> - Natural selection in peppered moths  <https://youtu.be/xM6E09CWq0U?si=FJhlY54GCEqLFjQj> - Difference tissues and organs  <https://youtu.be/O0ZvbPak4ck?si=bWbMMl3gYABVf9xb> - Types of Human Body tissue  <https://youtu.be/9tRcgt12k60?si=zUkUnxKgjpqI9s2N> - Learn the bones of the human body  <https://youtu.be/1Ix7qHSPeho?si=6y9kC4RUS-VuumjX> - 5 sense of humans  <https://youtu.be/mQ26klraKvU?si=ubqdxuP3cT-X2kVU> - Levels of Organization in Biology  <https://youtu.be/0uaH07WmeJ0?si=Cwc7bK98VzQO54bU> - Major Organs of the Human Body  <https://youtu.be/9Avp8608ZcU?si=rImlnrwkCfFRXS2K> - Basic Human Body Facts |