

# Science Links

<b>Motion &amp; Design</b>			
<b>Motion</b>	<b>Inertia</b>	<b>Forces</b>	<b>Friction</b>
<p>-Motion Song: <a href="https://www.youtube.com/watch?v=9GldhKRJ3akM">https://www.youtube.com/watch?v=9GldhKRJ3akM</a></p> <p>-Study Jams Force &amp; Motion Video <a href="http://studyjams.scholastic.com/studyjams/jams/science/forces-and-motion/force-and-motion.htm">http://studyjams.scholastic.com/studyjams/jams/science/forces-and-motion/force-and-motion.htm</a></p> <p>-Speed, Velocity, and Acceleration Song <a href="https://www.youtube.com/watch?v=DRb5PSxJerM">https://www.youtube.com/watch?v=DRb5PSxJerM</a></p>	<p>-Inertia <a href="https://www.youtube.com/watch?v=44ahy26Ujds">https://www.youtube.com/watch?v=44ahy26Ujds</a></p> <p>-Study Jams Inertia Video: <a href="http://studyjams.scholastic.com/studyjams/jams/science/forces-and-motion/inertia.htm">http://studyjams.scholastic.com/studyjams/jams/science/forces-and-motion/inertia.htm</a></p>	<p>-Forces <a href="https://www.brainpop.com/science/energy/forces/">https://www.brainpop.com/science/energy/forces/</a></p> <p>-Balanced vs Unbalanced Forces <a href="https://www.youtube.com/watch?v=YyJSlcIbd-s">https://www.youtube.com/watch?v=YyJSlcIbd-s</a></p>	<p>-Bill Nye Friction Video <a href="https://www.youtube.com/watch?v=MAqrWvkBoHk">https://www.youtube.com/watch?v=MAqrWvkBoHk</a></p> <p>-Science of Friction <a href="https://www.youtube.com/watch?v=n2gQsimcZHA">https://www.youtube.com/watch?v=n2gQsimcZHA</a></p> <p>-Science of the Winter Olympics: Friction <a href="https://science360.gov/obj/video/89c70f56-8885-46a0-9997-82ebfa025127/science-winter-olympics-science-friction">https://science360.gov/obj/video/89c70f56-8885-46a0-9997-82ebfa025127/science-winter-olympics-science-friction</a></p>
<b>Potential and Kinetic Energy</b>	<b>Motion Graphs</b>	<b>Chemical &amp; Physical Changes</b>	
<p>-Potential and Kinetic Energy song:</p>	<p>-Graphs Tell Stories <a href="https://www.youtube.com/watch?v=yOLtHZHseKw">https://www.youtube.com/watch?v=yOLtHZHseKw</a></p>	<p>-Chemical and Physical Changes Webquest <a href="http://nobel.scas.bcit.ca/chem0010/unit2/2.3_cha">http://nobel.scas.bcit.ca/chem0010/unit2/2.3_cha</a></p>	

<p><a href="https://www.youtube.com/watch?v=vl4g7T5gwl">https://www.youtube.com/watch?v=vl4g7T5gwl</a></p> <p>-Brain Pop: Potential &amp; Kinetic Energy</p> <p><a href="https://www.brainpop.com/science/energy/potentialenergy/">https://www.brainpop.com/science/energy/potentialenergy/</a></p> <p><a href="https://www.brainpop.com/science/energy/kineticenergy/">https://www.brainpop.com/science/energy/kineticenergy/</a></p> <p>-Potential and Kinetic Energy Rollercoaster:</p> <p><a href="https://unctv.pbslearningmedia.org/resource/hew06sci.phys.maf.rollercoaster/energy-in-a-roller-coaster-ride/">https://unctv.pbslearningmedia.org/resource/hew06sci.phys.maf.rollercoaster/energy-in-a-roller-coaster-ride/</a></p> <p>-Roller Coaster Creator Game -</p> <p><a href="http://gated.jason.org/digital_library/4851.aspx">http://gated.jason.org/digital_library/4851.aspx</a></p> <p>-Enrichment: Types of Potential Energy:</p> <p><a href="https://spark.adobe.com/page/m6bCq/">https://spark.adobe.com/page/m6bCq/</a></p>	<p>-Distance- Time Graphs</p> <p><a href="https://www.youtube.com/watch?v=avF8RQW3_LQ">https://www.youtube.com/watch?v=avF8RQW3_LQ</a></p>	<p><a href="#">nges.htm</a></p> <p><a href="http://www.ric.edu/faculty/ptiskus/chemical/">http://www.ric.edu/faculty/ptiskus/chemical/</a></p> <p><a href="http://www.chem4kids.com/files/matter_chemistry.html">http://www.chem4kids.com/files/matter_chemistry.html</a></p> <p><a href="http://www.mcwdh.org/chemist/pcchange.html">http://www.mcwdh.org/chemist/pcchange.html</a></p> <p><a href="http://www.quia.com/quiz/303980.html">http://www.quia.com/quiz/303980.html</a></p>	
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# Weather

<b>Weather vs. Climate</b>	<b>Direct vs. Indirect Sunlight</b>	<b>Weather Tools</b>	<b>Clouds</b>
<p><a href="https://www.youtube.com/watch?v=YbAWhyTFV3w">https://www.youtube.com/watch?v=YbAWhyTFV3w</a></p>	<p><a href="https://www.youtube.com/watch?v=b25g4nZTHvM">https://www.youtube.com/watch?v=b25g4nZTHvM</a></p> <p><a href="https://www.youtube.com/watch?v=GLm4e43-B54">https://www.youtube.com/watch?v=GLm4e43-B54</a></p> <p><a href="https://www.youtube.com/watch?v=8S3OhZyCnJg">https://www.youtube.com/watch?v=8S3OhZyCnJg</a></p>	<p><a href="http://www.weatherwizkids.com/weather-instruments.htm">http://www.weatherwizkids.com/weather-instruments.htm</a></p> <p><a href="http://studyjams.scholastic.com/studyjams/jams/science/weather-and-climate/weather-instruments.htm">http://studyjams.scholastic.com/studyjams/jams/science/weather-and-climate/weather-instruments.htm</a></p> <p><a href="https://www.youtube.com/watch?v=ySSyT44nmat">https://www.youtube.com/watch?v=ySSyT44nmat</a></p>	<p><a href="https://www.youtube.com/watch?v=QAqeFSa60TE">https://www.youtube.com/watch?v=QAqeFSa60TE</a></p> <p><a href="https://www.youtube.com/watch?v=wagrbfKV5bE">https://www.youtube.com/watch?v=wagrbfKV5bE</a></p>
<b>Water Cycle</b>	<b>Systems, Air Masses, &amp; Fronts</b>	<b>Wind</b>	<b>Ocean Currents</b>
<p><a href="https://www.youtube.com/watch?v=TWb4KIM2vts">https://www.youtube.com/watch?v=TWb4KIM2vts</a></p> <p><a href="https://www.youtube.com/watch?v=s0bs-SBAgJ!">https://www.youtube.com/watch?v=s0bs-SBAgJ!</a></p> <p><a href="https://www.youtube.com/watch?v=YPJ2iizrqaC">https://www.youtube.com/watch?v=YPJ2iizrqaC</a></p>	<p><u>Low pressure vs High pressure:</u> <a href="https://www.youtube.com/watch?v=">https://www.youtube.com/watch?v=</a></p> <p><u>Cold Fronts and Warm Fronts:</u> <a href="https://www.youtube.com/watch?v=tsD6zkBMmckChWNHLef3co">https://www.youtube.com/watch?v=tsD6zkBMmckChWNHLef3co</a></p> <p><a href="https://www.youtube.com/watch?v=9NZz-EeveJ8">https://www.youtube.com/watch?v=9NZz-EeveJ8</a></p>	<p><u>Wind:</u> <a href="https://www.youtube.com/watch?v=uBqohRu2RRk">https://www.youtube.com/watch?v=uBqohRu2RRk</a></p> <p><a href="https://www.youtube.com/watch?v=2VTfy6N8cl8">https://www.youtube.com/watch?v=2VTfy6N8cl8</a></p> <p><u>Prevailing Westerlies:</u> <a href="https://www.youtube.com/watch?v=LOJAvodPobu">https://www.youtube.com/watch?v=LOJAvodPobu</a></p> <p><u>Global Winds:</u> <a href="https://www.youtube.com">https://www.youtube.com</a></p>	<p><u>Gulf Stream:</u> <a href="https://www.youtube.com/watch?v=UuGrBhK2c7U&amp;t=132s">https://www.youtube.com/watch?v=UuGrBhK2c7U&amp;t=132s</a></p> <p><u>El Nino vs La Nina:</u> <a href="https://www.youtube.com/watch?v=wVlfyhs64IY">https://www.youtube.com/watch?v=wVlfyhs64IY</a></p>

<a href="http://www.kidzone.ws/water/">http://www.kidzone.ws/water/</a>		<a href="http://www.youtube.com/watch?v=j5x6y3a1eRs">m/watch?v=j5x6y3a1eRs</a>  <u>Land and Sea Breeze:</u> <a href="https://www.youtube.com/watch?v=VuICNO3ZEU">https://www.youtube.com/watch?v=VuICNO3ZEU</a>	
<b>Heat Transfer</b>			
<a href="https://www.youtube.com/watch?v=wr8Z4SCE">https://www.youtube.com/watch?v=wr8Z4SCE</a> <u>TPs</u>  <a href="https://www.youtube.com/watch?v=yUEPGMnRq">https://www.youtube.com/watch?v=yUEPGMnRq</a> <u>Gs</u>  <a href="https://www.real-world-physics-problems.com/heat-transfer-for-kids.html">https://www.real-world-physics-problems.com/heat-transfer-for-kids.html</a>			

<b>Ecosystems</b>			
<b>Biotic vs Abiotic Factors</b>	<b>Terrestrial and Aquatic Ecosystems</b>	<b>Producers and Consumers</b>	<b>Food Chains, Food Webs, and Energy Pyramids</b>
<a href="https://www.youtube.com/watch?v=CYcZUeZiCCU">https://www.youtube.com/watch?v=CYcZUeZiCCU</a>	<a href="http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/aquatic-ecosystems.htm">http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/aquatic-ecosystems.htm</a>	<a href="https://www.youtube.com/watch?v=MPZi2M1FDi8">https://www.youtube.com/watch?v=MPZi2M1FDi8</a>  <a href="https://www.youtube.com/watch?v=bJEToQ49Yjc">https://www.youtube.com/watch?v=bJEToQ49Yjc</a>	<a href="http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/food-chain.htm">http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/food-chain.htm</a>  <a href="http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/energy-pyramids.htm">http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/energy-pyramids.htm</a>

<p><a href="http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/ecosystems.htm">http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/ecosystems.htm</a></p>	<p><a href="http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/biomes.htm">http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/biomes.htm</a></p> <p><a href="https://www.youtube.com/watch?v=aPHkww9022E">https://www.youtube.com/watch?v=aPHkww9022E</a></p> <p>Rainforest <a href="https://www.youtube.com/watch?v=LHPuoOrwMIw">https://www.youtube.com/watch?v=LHPuoOrwMIw</a></p> <p>Deciduous Forest <a href="https://www.youtube.com/watch?v=n_NTF4JCd8Y">https://www.youtube.com/watch?v=n_NTF4JCd8Y</a></p> <p>Grasslands <a href="https://www.youtube.com/watch?v=gB4UDHCvXMU">https://www.youtube.com/watch?v=gB4UDHCvXMU</a></p> <p>Ocean <a href="https://www.youtube.com/watch?v=wzoey_6EWHM">https://www.youtube.com/watch?v=wzoey_6EWHM</a></p> <p>Estuary <a href="https://www.youtube.com/watch?v=emVVYG7dSaA">https://www.youtube.com/watch?v=emVVYG7dSaA</a></p> <p>Freshwater ecosystems <a href="https://www.youtube.com/watch?v=BwPlzxnKb14">https://www.youtube.com/watch?v=BwPlzxnKb14</a></p>	<p><a href="http://www.sheppardsoftware.com/content/animals/kidscorner/foodchain/producersconsumers.htm">http://www.sheppardsoftware.com/content/animals/kidscorner/foodchain/producersconsumers.htm</a></p> <p><a href="https://sciencing.com/producer-vs-consumer-6186248.html">https://sciencing.com/producer-vs-consumer-6186248.html</a></p>	<p><a href="http://studyjams/jams/science/ecosystems/food-webs.htm">http://studyjams/jams/science/ecosystems/food-webs.htm</a></p> <p><a href="https://www.youtube.com/watch?v=CdlM9xD482s">https://www.youtube.com/watch?v=CdlM9xD482s</a></p> <p><a href="https://www.youtube.com/watch?v=-oVavgmveyY">https://www.youtube.com/watch?v=-oVavgmveyY</a></p> <p><a href="https://www.learner.org/courses/essential/life/session7/closer5.html">https://www.learner.org/courses/essential/life/session7/closer5.html</a></p> <p><a href="https://www.texasgateway.org/resource/food-chains-food-webs-and-energy-pyramids">https://www.texasgateway.org/resource/food-chains-food-webs-and-energy-pyramids</a></p>
<p><b>Human Effects on Ecosystems</b></p>	<p><b>Unicellular and Multicellular Organisms</b></p>		
<p>Effects of Salt <a href="https://www.smithsonianmag.com/science-nature/road-salt-can-disrupt-ecosystems-and-endanger-humans-180963393/">https://www.smithsonianmag.com/science-nature/road-salt-can-disrupt-ecosystems-and-endanger-humans-180963393/</a></p> <p>Effects of Fertilizer <a href="https://www.environment.co.za/environmental-iss">https://www.environment.co.za/environmental-iss</a></p>	<p><a href="https://www.youtube.com/watch?v=9iqeAdJOIUQ">https://www.youtube.com/watch?v=9iqeAdJOIUQ</a></p> <p><a href="https://www.youtube.com/watch?v=lhrkww_HuRQ">https://www.youtube.com/watch?v=lhrkww_HuRQ</a></p>		

<p><a href="https://www.youtube.com/watch?v=9iqeAdJOIUQ">ues/how-do-fertilizers-affect-the-environment.html</a></p> <p>Effects of Acid Rain</p> <p><a href="https://study.com/academy/lesson/causes-effects-of-acid-rain-lesson-for-kids.html">https://study.com/academy/lesson/causes-effects-of-acid-rain-lesson-for-kids.html</a></p>			
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<h2 style="text-align: center;">Human Body Systems</h2>			
<p><b>Unicellular vs. Multicellular</b></p>	<p><b>Hierarchy</b>  <b>cell → tissue → muscle → organ → organ system</b></p>	<p><b>Skeletal and Muscular Systems</b></p>	<p><b>Digestive System</b></p>
<p><a href="https://www.youtube.com/watch?v=9iqeAdJOIUQ">https://www.youtube.com/watch?v=9iqeAdJOIUQ</a></p> <p><a href="https://www.youtube.com/watch?v=lhrkwJ_HuRQ">https://www.youtube.com/watch?v=lhrkwJ_HuRQ</a></p>	<p><a href="https://www.youtube.com/watch?v=SzKKY1IJ-c">https://www.youtube.com/watch?v=SzKKY1IJ-c</a></p> <p><a href="https://www.youtube.com/watch?v=EtWknfigzKQ">https://www.youtube.com/watch?v=EtWknfigzKQ</a></p> <p><a href="https://kids.britannica.com/students/assembly/view/209381">https://kids.britannica.com/students/assembly/view/209381</a></p>	<p><a href="https://www.youtube.com/watch?v=N2NrZpyEf24">https://www.youtube.com/watch?v=N2NrZpyEf24</a></p> <p><a href="https://www.khanacademy.org/science/high-school-biology/hs-human-body-systems/hs-the-musculoskeletal-system/v/skeletal-structure-and-function">https://www.khanacademy.org/science/high-school-biology/hs-human-body-systems/hs-the-musculoskeletal-system/v/skeletal-structure-and-function</a></p> <p><a href="http://studyjams.scholastic.com/studyjams/jams/science/human-body/skeletal-system.htm">http://studyjams.scholastic.com/studyjams/jams/science/human-body/skeletal-system.htm</a></p> <p><a href="http://studyjams.scholastic.com/studyjams/jams/science/human-body/mus">http://studyjams.scholastic.com/studyjams/jams/science/human-body/mus</a></p>	<p><a href="https://kidshealth.org/en/kids/dsmovie.html">https://kidshealth.org/en/kids/dsmovie.html</a></p> <p><a href="http://studyjams.scholastic.com/studyjams/jams/science/human-body/digestive-system.htm">http://studyjams.scholastic.com/studyjams/jams/science/human-body/digestive-system.htm</a></p>

		<a href="#">cular-system.htm</a>	
<b>Nervous System</b>	<b>Circulatory System + Blood Cells</b>	<b>Respiratory system</b>	<b>Inherited Traits vs. Learned Behaviors</b>
<a href="http://studyjams.scholastic.com/studyjams/jams/science/human-body/nervous-system.htm">http://studyjams.scholastic.com/studyjams/jams/science/human-body/nervous-system.htm</a>	<a href="http://studyjams.scholastic.com/studyjams/jams/science/human-body/nervous-system.htm">http://studyjams.scholastic.com/studyjams/jams/science/human-body/nervous-system.htm</a>  <a href="https://www.youtube.com/watch?v=_FLjj_Z7SKA">https://www.youtube.com/watch?v=_FLjj_Z7SKA</a>	<a href="http://studyjams.scholastic.com/studyjams/jams/science/human-body/respiratory-system.htm">http://studyjams.scholastic.com/studyjams/jams/science/human-body/respiratory-system.htm</a>	<a href="https://www.youtube.com/watch?v=EkrVDxuzEug">https://www.youtube.com/watch?v=EkrVDxuzEug</a>  <a href="https://www.youtube.com/watch?v=KT5Bvr7vOzY">https://www.youtube.com/watch?v=KT5Bvr7vOzY</a>