

## Gr. 5 Science Topics and Ideas- KUMU RESOURCES

(NOTE: If you plan to assign to students and need to shorten links use bit.ly option)

<p>Food Web Transfer of energy</p> <p>Decomposers, consumers, producers</p>	<p><a href="#">DK Find out</a>: Food chains/webs research</p> <p><a href="#">UHH Prism</a> lesson &amp; handouts</p> <ul style="list-style-type: none"><li>• <a href="#">List</a> of other UHH Prism lessons</li></ul> <p><a href="#">Scholastic Study Jams: Food Chain</a> <a href="#">Scholastic Study Jams: Food Web</a></p> <p>Digital Games: <a href="#">Switch Zoo: Feed the Animals Game</a> teaches key vocab: omnivore, herbivore, carnivore</p>
<p>animals</p>	<p><a href="#">DK find out</a> : animals</p> <p>360 YOUTUBE VIEWING: Kaua'i Forest bird- <a href="#">'ō'ō extinction</a></p> <ul style="list-style-type: none"><li>○ Various Native <a href="#">Bird handouts</a></li></ul> <p>ELEPHANTS</p> <ul style="list-style-type: none"><li>• <a href="#">Discovery</a>- playful elephants, extinction edition</li></ul> <p>RHINO</p> <ul style="list-style-type: none"><li>• <a href="#">Discovery</a>- caring for Rhinos, extinction edition</li></ul> <p>SHARKS</p> <ul style="list-style-type: none"><li>• Discovery- shark week (select from list- <a href="#">2016</a> <a href="#">2017</a> )</li></ul> <p>Scientific discoveries on submersible (<b>not 360 views</b> but fun commentary)</p> <ul style="list-style-type: none"><li>• NG- Hawaii <a href="#">deep sea fish</a></li><li>• NG Adorable <a href="#">Purple squid/cuttlefish</a></li><li>• NG- <a href="#">Rare dumbo octopus</a></li></ul>
<p>Biomes - Ecosystems</p>	<p><a href="#">NASA - Discover Biomes</a></p> <p><a href="#">Scholastic Study Jams: Biomes</a></p> <p><a href="#">Scholastic Study Jams: Ecosystems</a> <a href="https://www.dkfindout.com/us/search/ecosystems/">https://www.dkfindout.com/us/search/ecosystems/</a></p>

	<p><a href="#">Scholastic Study Jams Slideshow: Lithosphere, Hydrosphere &amp; Atmosphere</a>  You could print the slideshow with the information attached for hard copy.</p> <p>Nature Conservancy HI rainforest: <a href="#">last stand pdf</a></p> <p>360 youtube video- navigate on screen, hold cursor down to move around video</p> <p>ECOSYSTEMS</p> <ul style="list-style-type: none"> <li>● CA <a href="#">Oil rig</a></li> <li>● Google Art &amp; culture <a href="#">animals in Ecosystems</a></li> <li>● New Zealand <a href="#">glow worm caves</a></li> <li>● National Geographic- <a href="#">Caribbean marine monument</a></li> </ul> <p>Digital Games:  <a href="#">Build a Biome digital game</a></p> <p>Bottle Biology  <a href="#">Create a bottle biome</a>  <a href="#">Bottle Biospheres</a> - this website is for older students, however, there are some graphics on here that you could use for directions and examples of what a multi-bottle system could look like.</p>
Punnett Square	<p><a href="https://www.education.com/science-fair/article/biology_it_takes/">https://www.education.com/science-fair/article/biology_it_takes/</a> lesson</p> <p><a href="https://www.education.com/worksheet/article/punnett_squares/">https://www.education.com/worksheet/article/punnett_squares/</a> worksheet</p>
Water Cycle -	<p><b>O</b>lo i ka <b>w</b>ai a ka 'ō<b>p</b>ua</p> <p>There is <b>life</b> in the <b>water</b> from the <b>clouds</b>.</p> <p>'Ōlelo No'eau, Pukui #2482</p> <p><a href="#">Kumukahi-wai</a> video and info</p> <p><a href="#">Board of water supply</a>: Hawai'i water cycle article</p> <ul style="list-style-type: none"> <li>● Journey of water short <a href="#">video</a></li> </ul> <p><b>H</b>ahai no ka <b>u</b>a i ka <b>u</b>lulā'ou.</p> <p>The <b>rain</b> <b>follows</b> the <b>forest</b></p> <p>Watershed <a href="#">PSA VIMEO</a></p> <p>Hawai'i Alliance of Watershed Partnerships <a href="#">HAWP</a></p> <ul style="list-style-type: none"> <li>● Watershed importance &amp; threats <a href="#">videos</a></li> </ul>

	<ul style="list-style-type: none"> <li>● Forest watershed protectors <a href="#">vimeo</a></li> </ul> <p>Walta the worm <a href="#">youtube:watershed</a> time: 10:36-17:00</p> <p><a href="#">DK find out</a>: water cycle</p> <p>Water cycle phases <a href="#">dance steps</a> (in substitute of their favorite <a href="#">water cycle song</a> )</p> <p>EPA journey of water <a href="#">online game</a> (requires flash)</p> <p>NASA animation day and night <a href="#">water cycle</a></p> <p><a href="#">Mystery science</a>: why are oceans salty? Video segments for students to click next to view answer to question</p> <ul style="list-style-type: none"> <li>● Youtube <a href="#">playlist of mystery science</a> questions</li> </ul> <p>Why is there an <a href="#">underwater park in Austria</a>? Youtube</p> <ul style="list-style-type: none"> <li>● <a href="#">National Geographic</a> video</li> </ul>
<p>Virtual Field Trips -</p>	<p>Kamehameha Schools <a href="http://ksdl.ksbe.edu/hawaiian_resources">http://ksdl.ksbe.edu/hawaiian_resources</a> virtual huaka'i (2 Big Island locations), <a href="#">interactive ahupua'a</a>,</p> <p><a href="#">Nature conservancy - nature lab</a></p> <p>Others:</p> <ol style="list-style-type: none"> <li>1. <a href="https://kids.sandiegozoo.org/">https://kids.sandiegozoo.org/</a></li> <li>2. <a href="https://accessmars.withgoogle.com/">https://accessmars.withgoogle.com/</a></li> <li>3. <a href="https://www.montereybayaquarium.org/animals/live-cams">https://www.montereybayaquarium.org/animals/live-cams</a></li> <li>4. <a href="https://zooatlanta.org/panda-cam/">https://zooatlanta.org/panda-cam/</a></li> <li>5. <a href="https://www.houstonzoo.org/explore/webcams/">https://www.houstonzoo.org/explore/webcams/</a></li> <li>6. <a href="https://www.discoveryeducation.com/learn/tundra-connections/">https://www.discoveryeducation.com/learn/tundra-connections/</a></li> <li>7. <a href="https://www.boeingfutureu.com/virtual-field-trip">https://www.boeingfutureu.com/virtual-field-trip</a></li> <li>8. <a href="https://www.bostonchildrensmuseum.org/museum-virtual-tour">https://www.bostonchildrensmuseum.org/museum-virtual-tour</a></li> <li>9. <a href="http://teacher.scholastic.com/activities/immigration/tour/">http://teacher.scholastic.com/activities/immigration/tour/</a> (tour of Ellis Island)</li> <li>11. <a href="https://naturalhistory.si.edu/visit/virtual-tour">https://naturalhistory.si.edu/visit/virtual-tour</a> (Smithsonian)</li> <li>12. <a href="https://www.nps.gov/moru/learn/photosmultimedia/virtual-tour.htm">https://www.nps.gov/moru/learn/photosmultimedia/virtual-tour.htm</a>(Mount Rushmore)</li> <li>13. <a href="https://nywolf.org/meet-our-wolves/webcams/">https://nywolf.org/meet-our-wolves/webcams/</a> (Wolf Conservation Web)</li> </ol>