

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

	<p>Scholastic Study Jams Slideshow: Lithosphere, Hydrosphere & Atmosphere</p> <p>You could print the slideshow with the information attached for hard copy.</p> <p>Nature Conservancy HI rainforest: last stand pdf</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"> ● CA Oil rig ● Google Art & culture animals in Ecosystems ● New Zealand glow worm caves ● National Geographic- Caribbean marine monument <p>Digital Games: Build a Biome digital game</p> <p>Bottle Biology Create a bottle biome Bottle Biospheres - 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>https://www.education.com/science-fair/article/biology_it_takes/ lesson</p> <p>https://www.education.com/worksheet/article/punnett_squares/ worksheet</p>
Water Cycle -	<p>Ola i ka wai a ka 'ōpua</p> <p>There is life in the water from the clouds.</p> <p>'Ōlelo No'eau, Pukui #2482</p> <p>Kumukahi-wai video and info</p> <p>Board of water supply: Hawai'i water cycle article</p> <ul style="list-style-type: none"> ● Journey of water short video <p>Hahai no ka ua i ka ululā'ou.</p> <p>The rain follows the forest</p> <p>Watershed PSA VIMEO</p> <p>Hawai'i Alliance of Watershed Partnerships HAWP</p> <ul style="list-style-type: none"> ● Watershed importance & threats videos

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