

<i>Updated 11/29/23</i>	
<u>WEBSITES:</u>	
Science News Explores (formerley Science News for Students)	https://www.snexplores.org/
HHMI Biome Viewer	https://www.biointeractive.org/classroom-resources/biomeviewer
CK-12 Online Science Textbook	https://flexbooks.ck12.org/flexbooks/teacher/
NASA Earth Observatory	https://earthobservatory.nasa.gov/biome
360 Cities	https://www.360cities.net/curated_sets/293-rainforests:-home-to-plant-and-animal-species
Google Earth	https://www.google.com/earth/about/gallery/
National Park Service	https://www.nps.gov/index.htm
PBS KIds	https://pbskids.org/
NASA Space Place	https://spaceplace.nasa.gov/
Ocean Explorer (NOAA)	https://oceanexplorer.noaa.gov/
PBS Learning Media (Tornadoes)	https://tlearn.pbslearningmedia.org/
US Geological Survey	https://water.usgs.gov/edu/watercycle-kids-int.html
Weather Prediction Center	https://www.wpc.ncep.noaa.gov/index.php?page=ovw
PhET Simulations	https://phet.colorado.edu/
<u>YOUTUBE CHANNELS</u>	
National Geographic Youtube Channel	https://www.youtube.com/@NatGeo
MooMoo Math and Science Channel	https://www.youtube.com/@MooMooMath
Geodiode Youtube Channel	https://www.youtube.com/@Geodiode
LearnBright Youtube Channel	https://www.youtube.com/@LearnBright
FreeSchool Youtube Channel	https://www.youtube.com/@FreeSchool
Inspire Education Youtube Channel	https://www.youtube.com/@InspireEd
The DailyECO Youtube Channel	https://www.youtube.com/@thedailyeco1775
Crash Course Kids Youtube Channel	https://www.youtube.com/@crashcoursekids
SciShow Youtube Channel	https://www.youtube.com/@SciShow
BBC Earth Youtube Channel	https://www.youtube.com/@bbcearth
Nature on PBS Youtube Channel	https://www.youtube.com/@naturepbs
Crazy Creature Show Youtube Channel	https://www.youtube.com/@CrazyCreaturesShow
Animal Fun Facts Youtube Channel	https://www.youtube.com/@animalfunfacts_net
HarmonySquare Youtube Channel	https://www.youtube.com/@HarmonySquare
TED-Ed Youtube Channel	https://www.youtube.com/@TEDEd
Eco-Wise Youtube Channel	https://www.youtube.com/@EcoWiseVideos
What the Physics Youtube Channel	https://www.youtube.com/@WhatThePhysics
Met-Office (Weather) Youtube Channel	https://www.youtube.com/@MetOfficeLearnAboutWeather
NOAA Sci-Jinks (Weather) Youtube Channel	https://www.youtube.com/@scijinks
BBC Earth Lab Youtube Channel	https://www.youtube.com/@BBCEarthLab
World Meteorological Organization Youtube Channel	https://www.youtube.com/@worldmetorg
TN Wildlife Resources Youtube Channel	https://www.youtube.com/@tnwildlife
<u>SPECIFIC WEB PAGES</u>	
Planet Earth Shallow Sea Samples (clip)	https://www.youtube.com/watch?v=RrJO46k_DCs
What are Pheromones? (Grade 5-8 Science) Animal Communication	https://www.youtube.com/watch?v=xkIRydC_yf0

Building a Dam (Ecosystem Changes)	https://concord.org/hioh/build-dam/
Population Explosion Modeling	https://learn.concord.org/resources/658/population-explosion
Day After Tomorrow Trailer	https://www.youtube.com/watch?v=gqwOQ4yMKXw
Bright's Zoo Animal List	https://brightszoo.com/animals/
Kids Britannica: Convection	https://kids.britannica.com/students/article/convection/627924
RWU Ocean Temperatures	https://rwu.pressbooks.pub/webboceanography/chapter/6-2-temperature/
Will a Bowling Ball Float in the Dead Sea?	https://www.youtube.com/watch?v=Zhl68D9BPiw
Global Circulation Patterns	https://serc.carleton.edu/eslabs/climate/4a.html
Plastic Adrift in the Oceans	https://plasticadrift.org/
PBS Global Ocean Circulation	https://tlearn.pbslearningmedia.org/resource/nves.sci.earth.oceancirc/global-ocean-circulation/
Sci-Jinks How Tornadoes Form	https://scijinks.gov/tornado/
Coriolis Effect Simulation	https://iwant2study.org/lookangejss/02_newtonianmechanics_6circle/ejss_model_Coriolis2D/Coriolis2D_Simulation.xhtml
Rain Shadow Effect Explained	https://www.youtube.com/watch?v=DoKTTTd-XEQ
World Meteorological Organization	https://public.wmo.int/en/media/press-release/state-of-climate-2021-extreme-events-and-major-impacts
Climate and Weather (Ch4)	https://www.youtube.com/watch?v=2J-2cGgvvll
Exploring Causes of Climate Change	https://www.youtube.com/watch?v=EuwMB1Dal-4
What is Groundwater?	https://www.youtube.com/watch?v=oNWAerr_xEE
Science Learning Hub - Humans and the Water Cycle	https://www.sciencelearn.org.nz/resources/726-humans-and-the-water-cycle
Weather for Pilots (Air Masses and Fronts)	https://www.youtube.com/watch?v=o4lg8UfY5DM
Meteorologist Ryan Davidson Explains Weather Maps	https://www.youtube.com/watch?v=9NZz-EeveJ8
Earth Science Episode 3 - High Air Pressure and Low Air Pressure	https://www.youtube.com/watch?v=DquXO2FEI0Q&t=165s
Why is high pressure associated with fair, clear skies?	https://www.youtube.com/watch?v=aiYyCurh_SU
Asteroid Launcher	https://neal.fun/asteroid-launcher/
Energy 101: Electricity Generation	https://www.youtube.com/watch?v=20Vb6hLQSQg
Worlds Biggest Energy Megaprojects	https://www.youtube.com/watch?v=jVQCpKldCSU
15 Ingenious Machines That Make Electricity	https://www.youtube.com/watch?v=WcGHYIC-IfY
These Dogs Sniff Out Wildlife Crime	https://www.youtube.com/watch?v=f3PFQGsXUwc
The Death Of Bees Explained – Parasites, Poison and Humans	https://www.youtube.com/watch?v=GqA42M4RtxE
Epic Message - Short Film Showcase	https://www.youtube.com/watch?v=B-nEYsyRIYo
Endangered Animal Species - Animals for Kids	https://www.youtube.com/watch?v=M1IDQSeJ1cs
World Wildlife Foundation	https://www.worldwildlife.org/species/directory?sort=extinction_status&direction=desc
The IUCN Red List	https://www.iucnredlist.org/
National Geographic - Photo Ark	https://www.nationalgeographic.org/society/our-programs/photo-ark/
A-Z Animals Endangered Species	https://a-z-animals.com/animals/endangered/endangered/
Wikipedia Extinction List	https://en.wikipedia.org/wiki/Extinction#:~:text=status%20as%20extinct,-.Examples,-%5Bedit%5D
Timeline of Extinction in the Holocene	https://en.wikipedia.org/wiki/Timeline_of_extinctions_in_the_Holocene#1st_millennium_CE:~:text=rats.%5B69%5D-,17th%20century,-%5Bedit%5D
OK Go - This Too Shall Pass - Rube Goldberg Machine	https://www.youtube.com/watch?v=qybUFnY7Y8w
Ball bouncing in slow motion: Rubber ball	https://www.youtube.com/watch?v=sVTJNv3-mWk
The Beauty of Slow Motion - Tennis Ball Bounce	https://www.youtube.com/watch?v=1yT0hxpIVBg
Football to the Face in Slow motion - The Slow Mo Guys	https://www.youtube.com/watch?v=XjwO9InuFJk
Study Jams - Energy and Matter	https://studyjams.scholastic.com/studyjams/jams/science/matter/energy-and-matter.htm
Our World: Potential and Kinetic Energy" by Adventure Academy	https://www.youtube.com/watch?v=zCKenikIH_c
Roller Coaster Creator	https://www.hoodamath.com/games/rollercoastercreator.html#gsc.tab=0
Pendulum - Swing Paradox	Swing Paradox TestTubeGames

Velocity Raptor	https://testtubegames.com/velocityraptor.html
Gravity Simulator	https://testtubegames.com/gravity.html
Gravity Lab	https://lab.nationalmedals.org/gravity.php
Physics - Energy - Heat Transfer - Conduction	https://www.youtube.com/watch?v=9joLYfayee8
Is radiation dangerous? - Matt Anticole on TED Ed	https://www.youtube.com/watch?v=zI2vRwFKnHQ
Misconceptions About Heat	https://www.youtube.com/watch?v=hNGJ0WHXMyE
Distribution Maps of Invasive Organisms	https://www.eddmaps.org/distribution/
USDA Invasive Species Information Center	https://www.invasivespeciesinfo.gov/terrestrial/invertebrates/africanized-honeybee
TN Wildlife Resource Agency	https://www.tn.gov/content/tn/twra/fishing/twra-fish-species/zebra-mussel.html
TN Dept of Agriculture - Invasive Insects	https://www.tn.gov/agriculture/businesses/plants/plant-pests-and-quarantines/insects.html#collapseb622261868f64504adca57f370f0ecc7-6
Penn State Invasive Species - Tree of Heaven	https://extension.psu.edu/tree-of-heaven
Why We Send Animals to Space	https://www.youtube.com/watch?v=y-eisyuBseA
Quails in Space	https://www.youtube.com/watch?v=X7-hm3A7ayI
Surprising Facts About Animals That Went to Space	https://www.youtube.com/watch?v=5FaqZaP_8u4
10 Animals That Went to Space	https://www.youtube.com/watch?v=vJVcsUcjNKg
Weightless Cats - Do Space Cats Land On Their Feet?	https://www.youtube.com/watch?v=O9XtK6R1QAk
NASA ScienceCasts: Teeming Life on the ISS	https://www.youtube.com/watch?v=WmJe6FXW7E8