SUSTAINABILITY

A teacher development guide for 4th-6th grade focused on bringing sustainability into English/Language Arts Classes.

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FIFTH GRADE

PATTERNS OF EARTH AND SKY: SEPTEMBER TO NOVEMBER

The Sun, The Sky and a Whole Lotta Pie: PBS Shadow and Sun Game and supporting materials https://rmpbs.pbslearningmedia.org/resource/buac18-35-sci-ess-ruffshadowgame/the-sun-the-sky-and-a-whole-lot-of-pie-ruff-ruffman-sun-and-shadows-game/

Hurricane Season is so Active in 2020 we Ran out of Names: Article: https://newsela.com/read/hurricane-season-2020/id/2001013979/

The Earth System: January to February

DPS Sustainability can be used as a resource for bringing sustainability information on Earth's systems, consider contacting them for resources about water usage and conservation! https://sustainability.dpsk12.org/

Earth's Systems: Article: https://www.nationalgeographic.org/article/earths-systems/

NASA's Connect the Spheres: Earth Systems Interactives: https://gpm.nasa.gov/education/lesson-plans/connect-spheres-earth-systems-interactions

The Earth System: January to February

What is Hydroelectric power? Article: https://www.conserve-energy-future.com/pros-and-cons-of-hydroelectric-power.php

Dwindling Freshwater Resources: Article: https://newsela.com/read/natgeo-freshwater-resources/id/50456/?search_id=f2c571c5-139c-4d15-b332-6c7a2fd20015

NASA Water Conservation: https://gpm.nasa.gov/education/lesson-plans/water-conservation

FIFTH GRADE

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CMAS Support: Human, Body, Weather and Climate, Renewable/non-renewable Energy: March to May

DPS Sustainability can be used as a resource for bringing sustainability information on renewable and non-renewable energy! https://sustainability.dpsk12.org/

Seasonal Temperature and Precipitation Variations interactive and supporting materials: https://rmpbs.pbslearningmedia.org/resource/buac19-35-sci-ess-tempprecip-il/seasonal-temperature-and-precipitation-variations-interactive-lesson/

Daily and Seasonal Weather interactive and supporting materials: https://rmpbs.pbslearningmedia.org/resource/buac19-35-sci-ess-dailyseasonalweather-il/daily-and-seasonal-weather-interactive-lesson/

Various Solar Energy Facts: Article: https://www.conserve-energy-future.com/various-solar-energy-facts.php

What is a Windmill and How does it Work?: Article: https://www.conserve-energy-future.com/how-windmills-work.php

Energy Resources Project: https://coretools.ldc.org/mods/2d392b3c-1877-4ae1-86f4-68e611c9c3c4

FIFTH GRADE

CMAS Support: Human, Body, Weather and Climate, Renewable/non-renewable Energy: March to May

Types of Renewable Energy: Article: https://newsela.com/read/natgeo-renewable-energy/id/2000002211/?collection_id=2000000398&search_id=1ad3366f-688b-4c8a-aaea-f593f083ec44

Climate 101 Renewable Energy: Short Video: https://video.nationalgeographic.com/video/101-videos/0000015e-6359-d985-a1fe-e7df15080000?source=searchvideo

NASA Kids Energy: https://climatekids.nasa.gov/menu/energy/

FIFTH GRADE

Ecosystem Restoration: March to May

DPS Sustainability can be used as a resource for bringing sustainability information on ecosystem restoration, consider speaking to them about food sustainability, their teaching farm and/or composting methods.
https://sustainability.dpsk12.org/

Honey Bees Finding it Harder to Eat at America's Bee HotSpot: Article:
https://newsela.com/read/elem-honeybee-trouble-great-plains/id/44759/?search_id=936f1be0-ddc9-4835-a5f4-2b7f24f4323c

In San Francisco, Hotels Welcome Bees as Honored Guests: Article:
https://newsela.com/read/elem-san-francisco-hotel-rooftop-bees/id/41820/?search_id=44ef9bcc-9987-4326-89e1-7d0284705ad0

Robotic Bees Could be the Solution to the World's Bee Problem: Article:
https://newsela.com/read/robotic-bees-can-pollinate/id/46715/?search_id=45096a28-aea5-487a-9cca-7c7979c4c2c4

FIFTH GRADE

Ecosystem Restoration: March to May

Recycling, Is it worth it?: Assignment Idea https://coretools.ldc.org/mods/8e8d0e79-9631-4673-8e45-f5b70a870b03

Picking up seashells, and plastic, on Washington State's beaches: Article: https://newsela.com/read/marine-debris/id/16667/

Advantages and Disadvantages of Recycling: Article: https://www.conserve-energy-future.com/advantages-and-disadvantages-of-recycling.php

The Swiss Found a Way to Save a Glacier from Melting: Article https://newsela.com/read/elem-glacier-blanket/id/41352/

New Solution for Carbon Dioxide: article: https://newsela.com/read/carbon-dioxide-green-fuel/id/2001014157/

The Rise of "zero-waste" restaurants: article: https://newsela.com/read/zero-waste-restaurants/id/2001007089/?search_id=7404db93-d4d1-4ac7-8a78-d71847bfa8b5