



Education Tool: Use the Yosemite Website to Your Benefit

Yosemite National Park's webpages might be of interest to educators and their students. Two dominant pages summarize science-related content:

- Nature & Science: <http://www.nps.gov/yose/naturescience/index.htm>
- History & Culture: <http://www.nps.gov/yose/historyculture/index.htm>

Other key pages are suggested below, as aligned with the Resources Management & Science branches.

ANTHROPOLOGY & ARCHEOLOGY: This branch studies the role of the human past, namely of artifacts and who used them. See <http://www.nps.gov/yose/historyculture/archeology.htm> with five subpages, including a 4-minute film of a fire archeologist describing his job at <http://www.nps.gov/yose/historyculture/archeologist-film.htm>.

PHYSICAL SCIENCE & LANDSCAPE ECOLOGY: This branch studies geology, air quality, hydrology, climatology, mapping (GIS) and fire science. See <http://www.nps.gov/yose/naturescience/environmentalfactors.htm> and <http://www.nps.gov/yose/naturescience/naturalfeaturesandecosystems.htm> as overview pages.

- **Geology:** Rock fall is one of the geologic issues studied heavily at Yosemite. See <http://www.nps.gov/yose/naturescience/rockfall.htm> for photos that show before-and-after comparisons of rock fall. (In the near future, look for a geology-focused webpage on panoramic imaging—highlighting a 40-foot-wide map of Yosemite Valley's rock faces for view online.)
- **Air Quality:** For real-time data of ozone and particulate matter, see <http://www.nps.gov/yose/naturescience/aqmonitoring.htm>. Weekly maps of current fire activity are posted, too. This page displays live photos from our park's four webcams that are in near real-time, so in the morning, you see the sun rising, and at night, you see evening shadows.
- **Hydrology:** See <http://www.nps.gov/yose/naturescience/hydrologist-film.htm> to watch a 3-minute video of a park hydrologist describing his job.
- **GIS:** See <http://www.nps.gov/yose/naturescience/vegetation-map.htm> to view the results of a 10-year project to map more than 200 vegetation types on one GIS map.
- **Fire science:** Watch a 26-minute film that explains fire's natural role in the Sierra at <http://www.nps.gov/yose/photosmultimedia/best-intentions.htm>.

VEGETATION & RESTORATION: This branch monitors the 1,500-plus vegetative species in the park, restoring habitat that might be affected by human intrusion. Start by identifying some of the common wildflowers at <http://www.nps.gov/yose/naturescience/common-wildflowers.htm> and more unusual vegetation like lichens at <http://www.nps.gov/yose/naturescience/lichen.htm> in which scientists climb huge rock faces to collect certain lichen specimens. Plus, not every plant belongs in the park, learn about invasive species at <http://www.nps.gov/yose/naturescience/invasive-species.htm>. Volunteer a group to remove invasive plants in HaPY program at <http://www.nps.gov/yose/planyourvisit/hapy.htm>.

WILDLIFE MANAGEMENT: This branch researches the different park animals –from amphibians to birds to fish to reptiles to insects to mammals. See <http://www.nps.gov/yose/naturescience/animals.htm> as a general overview. Learn how to identify species, such as common birds, at <http://www.nps.gov/yose/naturescience/birds-common.htm>, and then see how an ornithologist describes her job in a 4-minute video at <http://www.nps.gov/yose/naturescience/ornithologist-film.htm>. Some animals have a special status, such as endangered; learn about one of the park’s threatened amphibians at <http://www.nps.gov/yose/naturescience/frog.htm>. Follow this by watching a 4-minute video at <http://www.nps.gov/yose/photosmultimedia/bearvideo.htm> to understand how humans can have a negative impact on animals, like black bears, through improper food storage.

HISTORY, ARCHITECTURE & LANDSCAPES: This branch documents the official park history while it assesses the park’s historic landscapes and buildings.

- **People:** Find profiles of park pioneers at <http://www.nps.gov/yose/historyculture/people.htm>. Especially interesting is the Buffalo Soldiers webpage featuring ranger Shelton Johnson at <http://www.nps.gov/yose/historyculture/buffalo-soldiers.htm>. Watch a 5.5-minute video of Johnson in character as a black U.S. Army soldier in approximately 1900 at <http://www.nps.gov/yose/historyculture/buffalo-video.htm>.
- **Places:** Find profiles of significant places at <http://www.nps.gov/yose/historyculture/places.htm> (with a historic emphasis) or <http://www.nps.gov/yose/planyourvisit/placestogo.htm> (with an emphasis on touring). Also, be aware of the park’s three international sister parks: <http://www.nps.gov/yose/historyculture/sisterparks.htm>.

VISITOR USE & SOCIAL SCIENCES: This branch oversees the human use of the park. How many visitors come? How do they use the park? Answers to these questions can be found at <http://www.nps.gov/yose/naturescience/park-statistics.htm>, and a 3-minute film captures Half Dome hikers describing their visitor experience at <http://www.nps.gov/yose/naturescience/vuss-film.htm>.

MORE OPTIONS:

- **Park Statistics:** Find natural resource statistics at a glance at <http://www.nps.gov/yose/naturescience/natural-resource-statistics.htm>
- **More Films to Watch:** Yosemite Nature Notes shares stories about the cultural and natural history of Yosemite. See episodes at <http://www.nps.gov/yose/photosmultimedia/ynn.htm> on topics from maps, snow, wildflowers, wilderness, Half Dome, to Yosemite Falls.
- **More to Hear:** Yosemite Voices shares audio podcasts on topics from soundscapes to scenic vistas. Hear episodes at <http://www.nps.gov/yose/photosmultimedia/yvoices.htm>.
- **Twitter:** Go to YosemiteScience, overseen by RMS, at <http://www.twitter.com/YosemiteScience>.
- **General teacher information:** Go to <http://www.nps.gov/yose/forteachers/index.htm>. Are you looking for content for a Career Day? If so, see the 16-minute “Dream Jobs” film at <http://www.nps.gov/yose/photosmultimedia/dreamjobs.htm>. Looking for materials in Spanish? See a 7.5-minute Spanish film at <http://www.nps.gov/yose/photosmultimedia/suparque.htm>.
- **Volunteer-In-Parks Program:** Go to <http://www.nps.gov/yose/supportyourpark/volunteer.htm>.
- **Contact the RMS Division:** <http://www.nps.gov/yose/naturescience/research-and-studies.htm>.