

Environmental Career Resources

Animal Care and Science videos from Kids.gov, including animal keeper, marine biologist, veterinarian, wildlife biologist, and zoo keeper <https://www.usa.gov/animal-science-careers>

Arboriculture Career Paths from the International Society of Arboriculture, <http://www.isa-arbor.com/students/careersInArboriculture/commonCareerPaths.aspx>, with job descriptions for:

Municipal Arborist/Forester - <https://www.isa-arbor.com/Portals/0/Assets/PDF/Certification-Applications/cert-Application-Municipal-specialist.pdf>,

Utility Arborist/Forester - <https://www.isa-arbor.com/Portals/0/Assets/PDF/Certification-Applications/cert-Application-Utility-Specialist.pdf>,

Urban Forester/Government - <https://www.isa-arbor.com/Portals/0/Assets/PDF/Career-Paths/Urban-Forester-Govt.pdf>, and

Careers in Arboriculture video - <https://www.youtube.com/watch?v=u8Qn1iAMISi&feature=youtu.be>

Careers in Environmental Health, Chemistry, and Toxicology from National Institute of Health/US National Library of Medicine https://toxtown.nlm.nih.gov/text_version/educators.php?id=5

Conservation Connect outdoor career videos from US Fish and Wildlife Service <http://nctc.fws.gov/conservationconnect/>

Energy Kids Career Corner, from US Energy Information Administration https://www.eia.gov/kids/energy.cfm?page=activities_career_corner

Animal Care Career Videos from USA.gov; animal keeper and wildlife biologist <https://www.usa.gov/animal-career-videos>

Oil and Gas “Careers in Ohio” from Ohio Oil and Gas Energy Education Project <http://oogeep.org/industry-workforce/careers/> or email acroce@oogeep.org to order free copies

Scientists at the Smithsonian, includes Amphibian Ace, Bat Listener, Bee Tracker, Bird Strike Sleuth, Dinosaur Hunter, Frog Follower, Reef Whisperer, Seed Reader and many more <http://www.smithsonianeducation.org/scientist/index.html>

Scientists Card series from Natural Inquirer middle school science education <http://www.naturalinquirer.org/Scientist-Card-Series-v-168.html>

US Environmental Protection Agency “Faces of the EPA” video interviews <https://www.youtube.com/playlist?list=PLBhfkkujnoRD-7H1IYa5FQ10AFgsjbnlh>

US Geological Survey Career Cards for ten different science careers including biological science technician, biologist, cartographer, chemist, ecologist, geologist, geographer, hydrologic technician, hydrologist, physical scientist <https://www.usgs.gov/about/organization/science-support/human-capital/usgs-career-cards>

“My Future Life” videos with career interviews such as Aquatic Biologist, Hydrogeologist, Environmental Projects Manager, Plant Pathologist, Wind Energy Assessment, and Waste Management <http://www.youtube.com/user/SEOCEMS>

Career Pathways from the Ohio Department of Education, showing middle, high school and college course options for various career clusters <https://education.ohio.gov/Topics/Career-Tech/Career-Connections/Career-Pathways>

Four of these environmental career pathways have been posted as an “Ohio In-Demand Job” on the **Ohio Means Jobs** website:

[Water plant operator/utilities director](#)

<http://jfs.ohio.gov/owd/CareerPathways/AgSystemsWaterSystems.stm>

[Environmental Technician/Environmental Specialist/Natural Sciences Manager](#)

<http://jfs.ohio.gov/owd/CareerPathways/AgSystemsEnvironmental.stm>

[Arborist/Forestry Specialist/Forestry Manager](#)

<http://omj.ohio.gov/WorkArea/DownloadAsset.aspx?id=2147644425>

[Pipeline Technician/Petroleum Technician/Petroleum Engineer](#)

<http://jfs.ohio.gov/owd/careerpathways/agssystemsnaturalresources.stm>

[Ohio Means Jobs K-12 Occupation Search](#) page for beginning to research different career fields:
<https://jobseeker.k-12.ohiomeansjobs.monster.com/ExploreIt/OccupationSearch.aspx>

[Open Education Database](#), select a degree then “science and engineering” category to reveal subjects like environmental policy and environmental science. <http://oedb.org/>

Posters showcasing careers and strong employment outlooks for environmental professionals, from the National Environmental Education Foundation:

[“STEM and Our Planet”](#)

<http://www.neefusa.org/resource/stem-our-planet-infographic>

[“Engineering and Our Planet”](#)

<http://www.neefusa.org/resource/engineering-our-planet-infographic>

[“Rooted in Math” poster](#)

<http://www.neefusa.org/resource/rooted-math>, and <https://www.neefusa.org/resource/rooted-math-educator-toolkit>

Environmental Career Resources Available for Purchase

Environmental Related Occupations two- volume Career Pathway DVD available from www.careerpathwayonline.com includes video interviews of Ohio and West Virginia environmental professionals about their careers, education and salary in the following fields:

- Air Quality Manager
- Solid Waste Manager
- Hazardous Waste Manager
- Urban and Regional Planner
- Forest and Conservation Scientist
- Water and Wastewater Treatment Plant Operator
- Geologist
- Meteorologist
- Park Ranger
- Biological Scientist
- Environmental Inspector
- Recycling Plant Manager

Scientists in the Field series of books from Houghton Mifflin Harcourt:

The Bat Scientists by Mary Cay Carson, c. 2010
Emi and the Rhino Scientist by Mary Kay Carson, c. 2010
Extreme Scientists: Exploring Nature's Mysteries from Perilous Places by Donna M. Jackson, c. 2009
The Frog Scientist by Pamela S. Turner, c. 2009
Gorilla Doctors: Saving Endangered Great Apes by Pamela S. Turner, c. 2005
Hidden Worlds: Looking Through a Scientist's Microscope by Stephen Kramer, c. 2001
The Hive Detectives: Chronicle of a Honey Bee Catastrophe by Loree Griffin Burns, c. 2010
The Manatee Scientists: Saving Vulnerable Species by Peter Lourie, c. 2011
Once a Wolf: How Wildlife Biologists Fought to Bring Back the Gray Wolf by Stephen R. Swinburne, c. 1999
Park Scientists: Gila Monsters, Geysers and Grizzly Bears in America's Own Backyard by Tom Uhlman and Mary Kay Carson, c. 2014
The Polar Bear Scientists by Peter Lourie, c. 2012
The Prairie Builders: Reconstructing America's Lost Grasslands by Sneed C. III, c. 2008
Project UltraSwan by Elinor Osborn, c. 2002
Quest for the Tree Kangaroo: An Expedition to the Cloud Forest of New Guinea, by Sy Montgomery, c. 2006
Saving the Ghost of the Mountain: An Expedition Among Snow Leopards in Mongolia by Sy Montgomery, c. 2009
Science Warriors: The Battle Against Invasive Species by Sneed B. Collard III, c. 2008
Secrets of Sound: Studying the Calls and Songs of Whales, Elephants and Birds by April Pulley Sayre, c. 2002
The Snake Scientist by Sy Montgomery, C. 1999
Stronger than Steel: Spider Silk DNA and the Quest for Better Bulletproof Vests, Sutures, and Parachute Rope by Bridget Heos, c. 2013
The Tarantula Scientist by Sy Montgomery, c. 2007
Tracking Trash: Flotsam, Jetsam and the Science of Ocean Motion by Loree G. Burns, c. 2007
The Whale Scientists: Solving the Mystery of Whale Strandings, by Fran Hodgkins, c. 2007
The Wildlife Detectives: How Forensic Scientists Fight Crimes Against Nature, by Donna M. Jackson, c. 2000
The Woods Scientist by Stephen R. Swinburne, c. 2002

General Career Resources

[Ohio Career Exploration Internship Program](https://education.ohio.gov/getattachment/Topics/Career-Tech/Career-Connections/Resources-for-Families-and-Communities/Career-Exploration-Internship.pdf.aspx) at the Ohio Development Services Agency places high school students in businesses for 20-week paid internships
<https://education.ohio.gov/getattachment/Topics/Career-Tech/Career-Connections/Resources-for-Families-and-Communities/Career-Exploration-Internship.pdf.aspx>

[Occupational Outlook Handbook](http://www.bls.gov/ooh/home.htm) from the US Bureau of Labor Statistics
<http://www.bls.gov/ooh/home.htm> includes in-depth job descriptions, degree requirements, pay and job outlook for a number of environmental careers, including:

Atmospheric Scientists	Epidemiologists
Biological Technicians	Geoscientists
Civil Engineers	Hazmat Removal Workers
Conservation Scientists and Foresters	Hydrologists
Environmental Engineering Technicians	Microbiologists
Environmental Engineers	Occupational Health & Safety Specialists
Environmental Science Technicians	Wildlife Biologists
Environmental Scientists and Specialists	Zoologists

See also the Bureau of Labor Statistics K-12 website, <http://www.bls.gov/k12/>