



Science Sprouts



ALLEGHENY LAND TRUST
ENVIRONMENTAL EDUCATION TEAM

Science Sprouts is
Allegheny Land Trust's
early childhood education
outreach program that brings
the outdoors to your classroom!

Each lesson is designed
specifically for little learners,
is adapted to Pennsylvania state
learning standards, and includes
hands-on nature activities.

By introducing a sense of
wonder and appreciation for
nature at an early age, we are
ensuring a future generation
of earth stewards!

preschool & kindergarten

All Around Me

What do you see? What do you hear? This interactive lesson will help young learners understand how their senses help them perceive the world around them.

Creepy Crawlers

What exactly is a creepy crawler, and why does nature need them? This lesson will explore the importance of “creepy crawlers” such as fireflies, bees, and even pill bugs!

Forest Friends

Why are trees important? What can trees tell us about weather conditions? In this hands on, exploration-based lesson, students will discover just how amazing a tree can be!

It's Great to Grow!

What are baby frogs called? Where is a baby dragonfly born? In this lesson, students will explore some of the amazing ways animals - even humans - grow and change over time.

Mighty Mouths

If you were a bird, what would you eat? What kind of beak would you need to eat your favorite bird treats? Students will explore the relationship between form and function in this hands-on lesson.

Rocks Rock!

Does it rain rocks? Where do rocks come from? Students will compare different rocks and explore how time and various elements of nature affect rock formation.

Soil Scientists

What makes soil special? How long does it take for nature to make soil? In this messy lesson, students will learn why soil is more than just a worm's home.

Things with Wings

What are wings and who has them? Are all wings the same? Students will explore the flight of birds, bats, and bugs, and even use dramatic play to recreate the flight patterns of these amazing “things with wings”!

Wonderful Water

Why is water wonderful? Using stories, puppets, and sensory bins, students will explore the water cycle and learn how water makes the world go ‘round!



1st & 2nd grade



Animal Architects

What is an architect? How can animals be architects? Do they use blueprints and maps? This STEM-based lesson will explore what and how animals build and create, and why they do it. Students will even try their hand at recreating some of these amazing animal structures!

Animal Athletes

How fast is a deer? How does a bear move? This active, station-based lesson will explore some of the amazing athletic abilities of animals. Students will even “compete” against some of the animals to see how their skills stack up!

Apex Animals

What does it mean to be an apex animal? Using real artifacts from nature, we will explore how an animal gets to be the “top dog”, or fish, or even insect!

Cold Blooded Beasts

What does it mean to be cold-blooded? Which animals are cold-blooded? This interactive lesson will explore the fascinating world of reptiles and amphibians!

Footprint Forensics

Just like humans, animals leave behind unique footprints - or tracks! These tracks can tell us a lot about an animal and its story! Students will learn how to tell different animal tracks apart, and will partake in identifying a mystery animal track!

Macro Mayhem

What is a macroinvertebrate? What can they tell us about the health of their habitat? In this hands-on, slightly wet lesson, students will get to explore real, live macroinvertebrates close up! This lesson is available late spring and summer only.

Who’s for Lunch?

Can a coyote cook a cheeseburger? In this interactive lesson, students will learn how food chains work, and how creatures must rely on other living things as food and energy sources.

Wildlife Watchers

Which animals can we find all around us? How do we know they are here? Using real artifacts from nature, we will explore some of the fascinating creatures that, like us, call Pennsylvania home!

For more information or to sign up, contact:

Jessica Kester | Vice President of Education | jkester@alleghenylandtrust.org | 412-741-2750 x210
Julie Travaglini | Director of Education | jtravaglini@alleghenylandtrust.org | 412-741-2750 x209



**bringing the
outdoors to
your classroom**



Professional Development Opportunities

Are you or your staff interested in increasing your nature know-how? We can help! Our Environmental Education Team offers a wide variety of professional development workshops for early childhood centers. Topics range from utilizing water activities in your classroom to nature storybooks, creepy crawlies, and much more! We can come to your center or school for as little as 2 hours or stay all day. ACT 48 and PQAS hours available for some programs. Call for pricing and availability.

TEACHERS OF THE WILD:

Thanks in part to sponsorship from the PNC Foundation, we are able to offer this series of professional development to certain schools for a deeply discounted rate. Contact us for details and to see if your school qualifies.

For details and inquiries, call Julie Travaglini at 412-741-2750 x209 or by e-mail at jtravaglini@alleghenylandtrust.org.



Allegheny Land Trust

ALT is a 501c3 land conservation nonprofit helping local people save local land in the Pittsburgh region by protecting and stewarding green space, and providing environmental education to all ages. ALT's conservation areas improve the quality of life for all through opportunities for recreation, education, nature appreciation, improved or maintained water quality, sequestered carbon and improved air quality, enhanced property values, habitat creation, and more. Since 1993, ALT has protected more than 2,300 acres. Every resident of Allegheny County lives within 12 miles of an ALT conservation area.



**ALLEGHENY
LAND TRUST**

www.alleghenylandtrust.org

416 Thorn Street, Sewickley,
Pennsylvania 15143
phone 412.741.2750
email info@alleghenylandtrust.org