



Every year Project Learning Tree® (PLT) awards GreenWorks! grants for environmental service-learning projects. In 2019, nearly 5,000 students will work with local partners and community volunteers on 23 projects in 19 states. Proposals for the next round of grants are due Sept. 30, 2019. Learn more at [www.plt.org/resources/greenworks-grants](http://www.plt.org/resources/greenworks-grants).

State	City	School/ Organization	Project Type	Description
AK	Sutton	Sutton Elementary School	Outdoor classroom	K-5 students, teachers and community members will design and construct an outdoor classroom to engage students in their natural surroundings and increase learning outside. It will include seating for 25 students, a teaching board, a wind wall, and student developed components, such as tree identification signs.
AZ	Phoenix	Chicanos Por La Causa, Inc.	School garden	Students in grades 5-9 who participate in a STEM after-school program at the Carl Hayden Community Center in South Phoenix will utilize sensors, software, electronics, and electrical systems to create and test a smart watering plant care system to increase the yield of vegetables and efficient use of water in the community garden.
CA	Oregon House	Yuba Environmental Science Charter Academy	School composting	PreK-8 students will work together to create worm bins and begin composting all leftover food from the school's cafeteria to help enrich the soil in the school's garden and cut down on waste.
CO	Steamboat Springs	Yampa Valley Sustainability Council	Tree planting	K-12 youth will pot, plant, care for, and monitor seedling trees planted in upland and riparian forests along the Yampa River to help increase their survival rate. In its ninth year, the project, known as ReTree, helps youth to act on climate change. It deepens their knowledge of local forest ecosystems and commitment to stewardship as students can visit "their" trees when they get older.
FL	Plantation	South Plantation High School	Green building	With technical support from the U.S. Green Building Council and local businesses and partners, 10th grade students will design, collect materials and build a small, eco-friendly house. Students will gain leadership skills through project implementation, presentations, and collaboration with community leaders.
FL	Fort Pierce	Hibiscus Children's Center	Community garden	A children's shelter in Jensen Beach is home to up to 36 children in grades K-8 who have suffered abuse, neglect, and abandonment. A gardening program will improve children's mental health, promote better nutrition, and teach valuable life skills as students work together to plant seeds, water, weed, and harvest fruits, vegetables and herbs.



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KS	Great Bend	Kansas Wetlands Education Center	Garden irrigation	Students at Ellinwood Grade School and McPherson High School have calculated the amount of water their school uses and the dollar cost. They will learn about the benefits of collecting rainwater, install rain barrels on their school grounds, and calculate savings in water bills.
LA	Baton Rouge	LSU Early Childhood Education Laboratory Preschool	Outdoor playground	Preschool and toddler classes will provide input on materials to add to their outdoor environment, which includes gardens, a sand pit, and a digging area. The outdoor space encourages nature-based play and serves as a training site for Louisiana State University undergraduate and graduate students in Early Childhood Education
LA	Madisonville	Madisonville Junior High School	Tree planting	7th and 8th grade students will join community members in planting trees to revitalize an area of their town. Students will learn from a master gardener about proper soil preparation and techniques for tree planting, as well as ongoing care and maintenance of the trees.
ME	Old Town	Old Town - Orono YMCA	Endangered species restoration	Cub Scouts and students in the YMCA afterschool program will work together to raise Atlantic salmon from eggs and then release the mature fish in the Penobscot River. Youth will learn about the life cycle of salmon and why the Atlantic salmon is endangered through presentations and a field trip to a local hatchery.
MI	Grand Rapids	West Side Christian School	Forest restoration	Middle school students will learn about invasive species that threaten their local forest habitat. They'll remove buckthorn, an invasive deciduous small tree or shrub that can reach 25 feet tall and learn to use wood working tools to produce arts and crafts from the plants they cut back. They'll share their work and what they have learned at a community event at the Blandford Nature Center.
MN	Duluth	North Shore Community School	Forest restoration	5th and 6th grade students will assess the health of their 25-acre school forest and threats from invasive species. They will use non-chemical means to control invasive buckthorn, such as pulling small trees by hand and using weed wrenches for larger trees and "buckthorn baggies" to block light to prevent re-sprouting. In stands of balsam fir impacted by spruce budworm, students will work with the Department of Natural Resources to cut down and burn infected trees and replant trees to restore the area.



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MN	Owatonna	Owatonna Middle School	Outdoor classroom	Students and teachers will convert an acre of lawn on their school grounds into native habitat. Students in grade 8 will design a wetland area; 7th graders will create tall-grass prairie and short-grass prairie habitat; 6th graders will design interpretive signs that will include information about Native American history and culture.
MS	Vicksburg	River City Early College High School	School garden	Students in grades 9-11 will establish a school garden and composting program with help from a local gardening club. Students plan to donate many of the plants they raise to nursing homes, military veterans, and other community organizations.
NJ	Manville	Alexander Batcho Intermediate School	Community garden	7th and 8th grade students will help design and install a native plant garden at Manville Borough Hall. They will present their designs, including plans to use an existing rain barrel to help water the community garden, at local school board and town council meetings.
NY	Brooklyn	Public School 376	Community garden	Students in grades 4-5 will improve an urban community garden located across the street from the school. Their focus will be building a structure to collect rainwater. Currently buckets have to be hand carried to water the garden. Students will work in groups to present their plans and the class will vote on the best proposal. Community members will help students construct and install the new features.
OH	Cleveland	Old Brooklyn Community Middle School	Outdoor classroom	Grade 5-8 students in an afterschool club will help plan and design an outdoor classroom and garden area that will be utilized by the entire school. The project includes a rain garden, butterfly garden, elevated seating, a presentation stage, gutters to deflect rainwater to the garden, a rain gauge, and a bird feeder. Students will assemble benches, install plants, and be responsible for general upkeep and maintenance.
OR	Newberg	Joan Austin Elementary School	Garden irrigation	Students in grades 4-5 will install a drip irrigation system for their school garden. Currently the school's eight raised garden beds are watered by hand using hand sprayers and by oscillating sprinklers which waste water. Students will learn about drip irrigation for both small- and large-scale gardening operations. They will use their math skills to calculate their garden's requirements and work with adults to install the system.



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PA	West Chester	West Chester Friends School	Pollinator Garden	Students in 1st through 3rd grades will work with faculty and parents to enhance their schoolyard habitat. They will plant a pollinator garden with butterfly weed, common milkweed, and fall flowering plants donated by a local nursery to support butterflies and other insects. Students will also construct and install nest boxes for birds. They will paint tiles representing the wildlife supported by their garden that will be mounted on a fence and participate in citizen science projects such as Monarch Watch and Nest Watch.
PA	Lancaster	La Academia Partnership Charter School	Green School	This school-wide initiative will involve all middle and high school students in making their school more green. Projects include constructing a butterfly / pollinator garden with native plant species; installation of rain barrels to collect water; construction of outdoor benches; adding indoor plants to classrooms; an audit of the school's light fixtures; and improvements to the school's recycling program.
RI	East Providence	A.M. Waddington Elementary	Riparian habitat improvement	A small creek runs alongside the school perimeter and 4th grade students used a grid drawing, a watercolor, and a 3-D model to present their plans for improving the "buffer zone" and extending the creek habitat. Fifth grade students who study the creek for water quality and macrofauna will act as mentors during implementation of this project.
VA	Gate City	Gate City High School	Wetlands habitat improvement	Students in grades 7-12 will continue to improve a reclaimed wetland at Lake Fleming Outdoor Learning Center by removing invasive plants, adding noninvasive plants, and helping to install a pump for a pond to aerate the water for fish.
WY	Lander	Lander Art Center	Watershed education	Students in grades 4-12 will raise awareness about the source of their community's water, its quality and quantity, and how it is used through creative short films, field guides, pottery, and case studies. In the summer, they will participate in community service projects to plant willows and stabilize river banks.