American Farm Bureau Foundation for Agriculture

Creates more agriculturally literate citizens through its nationally scoped educational programs, grants, scholarships, curriculum and volunteer training.

Ag Foundation Resources
My American Farm – Classroom
Purple Plow – STEM Learning Challenge
On the Farm STEM Resources
Feeding Minds Press

GENYOUth

Creates healthier school communities through three pillars of purpose: Improve Nutrition & Physical Activity – Enhance Future Readiness – Embrace & Uplift Student Voice. GENYOUth specializes in a range of national initiatives including the largest in-school wellness program (Fuel Up to Play 60) in partnership with National Dairy Council and the NFL; an innovative youth social entrepreneurship program (AdVenture Capital); youth engagement (Youth Summits, YOUth Insights surveys); and widely circulated stakeholder-targeted publications.

Fuel Up to Play 60 Playbook
Adventure Capital Youth – Educators

Lone Oaks Farm

Lone Oaks Farm is a 1200 acre working farm purchased by the University of Tennessee four years ago. The farm, located in rural southwest Tennessee, is a mix of hardwood and pine timber, one hundred acres of lakes and ponds, and 500 acres of pasture and hay land. There are 11 residences (24 bedrooms) that are available to rent by our guest. The farm is a cash hay and heifer development facility through a partnership with Tennessee Farm Bureau as well as a home to a healthy population of wildlife including deer, turkey, small game, waterfowl and American bald eagle.

Currently under construction is a new shooting facility featuring trap, skeet and sporting clays. This facility will open in the summer 2020. New construction will begin fall 2020 on a 16,000 square foot stem facility and the West Tennessee 4-H camp and conference center.

The farm is in development of a 3-mile stream restoration project and WET center.

STEM at the Farm

Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS)

Empower individuals of underrepresented and diverse backgrounds in agriculture, natural resources, continuing education, peer and professional mentor networks and advocacy leading to access to rewarding economic avenues, accomplishment and advancement.

Jr. MANRRS Curriculum

National Ag in the Classroom

Professional development organization for Agriculture in the Classroom (AITC) programs. Demonstrates to teachers how to use agricultural concepts to teach reading, writing, math, science, social studies and more at professional development workshops. In addition, it hosts an annual national conference, holds annual teacher and volunteer awards programs and provides professional training to state AITC programs. It’s supported by USDA/NIFA grant funding, corporate sponsorships and membership dues, and partners with the National Center for Agricultural Literacy (NCAL) at Utah State University, which oversees the website, the Curriculum Matrix and PreK-12 agricultural literacy evaluation and research.

National Agricultural Literacy Curriculum Matrix

National FFA Organization

National FFA's Agricultural Literacy and Advocacy Platform spans programs, initiatives, and award areas across the organization. For example, state FFA officers attending the State Officer Summit become literate in agricultural education, agriculture, and FFA and then advocate for their causes in our Nation’s Capital; students competing in the Ag Issues Career Development Event study and research a current event in agriculture and then present and debate all sides of the issue; and chapters applying for the National Chapter Award must answer how they advocate in their communities. Through programs like these and the 4-step effective advocacy model, National FFA is providing a suite of skills to create a healthier understanding and dialogue about food and agriculture across the world.

Agricultural Literacy and Advocacy
National 4-H Council

4-H’s agriculture programming has three main objectives; to develop a workforce development pipeline for agricultural careers, to improve communication between producers and consumers, and to support sustainable farming efforts.

4-H Curriculum

4-H STEM Lab

Nutrients for Life Foundation

The Nutrients for Life Foundation is an educational foundation dedicated to creating and sharing resources on crop nutrients. Our resources are K-12, with a focus on 6-12. Our resources are free for teachers and our curriculum has been reviewed by the Smithsonian. We have 4 supplemental curricula and over 40 supporting resources such as posters and flash cards.

Educator Resources

Seed Your Future

National movement to promote horticulture and inspire people to pursue careers working with plants. Supported by more than 200 partner organizations, we envision a U.S. where everyone understands and values the importance of plants and the people who work in the art, science, technology and business of horticulture.

Plants to the Rescue

Seed Your Future

Science Olympiad

Providing students in Grades K-12 with hands-on, standards-aligned STEM challenges which include agricultural events like Environmental Chemistry, Green Generation, Microbe Mission, Ecology, Hydrogeology, Food Science and Invasive Species. Students on competitive school-based teams across the US participate in tournaments on college campuses, where they demonstrate excellence in test, lab and device related activities, always with a partner. Year-round preparation includes working with subject matter experts and mentors, exploring career paths, and training across content categories. Essential employability skills like teamwork, collaboration, resilience and grit are also developed. Alums of the program often cite Science Olympiad as the driver behind their college and career choices, with thousands giving back by forming service-based undergraduate Science Olympiad Alumni Clubs on 40+ top campuses.

Science Olympiad

Science Olympiad TV

World Food Prize

Youth Programs works in partnership with youth and educators to engage, inspire, and empower the next generation of changemakers to solve complex challenges in hunger and poverty. We provide pathways for students and educators to learn more about the underlying causes of food insecurity through the implementation of the World Food Prize state/national youth institutes, Global Youth Institute, as well as internship and fellowship opportunities.

Youth Institutes

Teacher Resources

Hyperlinks

1. https://www.agfoundation.org/resources
3. https://www.purpleplow.org/
4. https://www.onthefarmstem.com/resources
5. https://www.fedlingmindspress.com/
6. https://www.fueluptoplay60.com/playbooks/fuel-up-to-play-60-playbook
7. https://www.adc_qays_youth.org/educators
9. https://diversity.ca.uky.edu/curriculum
12. https://4-h.org/parents/curriculum/
13. https://4-h.org/parents/stem-agriculture/youth-stem-activities/
16. https://www.seedyourfuture.org/students
17. https://www.soinc.org/
18. https://www.youtube.com/user/ScienceOlympiadTV