



EDUCATIONAL RESOURCES

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](#)¹

[My American Farm – Classroom](#)²

[Purple Plow – STEM Learning Challenge](#)³

[On the Farm STEM Resources](#)⁴

[Feeding Minds Press](#)⁵

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](#)⁶

[Adventure Capital Youth – Educators](#)⁷

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](#)⁸

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](#)⁹

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](#)¹⁰

National FFA Organization

The National FFA Organization is a national youth organization of more than 700,000 student members as part of 8,600 local FFA chapters in all 50 states, Puerto Rico and the U.S. Virgin Islands. The FFA mission is to make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.

[Educator Resources](#)¹¹

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](#)¹²

[4-H STEM Lab](#)¹³

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](#)¹⁴

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](#)¹⁵

[Seed Your Future](#)¹⁶

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](#)¹⁷

[Science Olympiad TV](#)¹⁸

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](#)¹⁹

[Teacher Resources](#)²⁰

Hyperlinks

1. <https://www.agfoundation.org/resources>
2. <http://www.myamericanfarm.org/classroom>
3. <https://www.purpleplow.org/>
4. <https://www.onthefarmstem.com/resources>
5. <https://www.feedingmindspress.com/>
6. <https://www.fueluptoplay60.com/playbooks/fuel-up-to-play-60-playbook>
7. <https://www.adcapoyouth.org/educators>
8. <https://www.loneoaksfarm.com/stem/>
9. <https://diversity.ca.uky.edu/curriculum>
10. <http://agclassroom.org/teacher/matrix/>

11. <https://www.ffa.org/my-toolbox/instructor/educator-resources/>
12. <https://4-h.org/parents/curriculum/>
13. <https://4-h.org/parents/stem-agriculture/youth-stem-activities/>
14. <https://nutrientsforlife.org/for-teachers/educator-resources/>
15. <http://www.scholastic.com/BLOOM/>
16. <https://www.seedyourfuture.org/students>
17. <https://www.soinc.org/>
18. <https://www.youtube.com/user/ScienceOlympiadTV>
19. https://www.worldfoodprize.org/en/youth_programs/youth_institutes/
20. <https://www.worldfoodprize.org/index.cfm?NodeID=93864&AudienceID=1&preview=1>