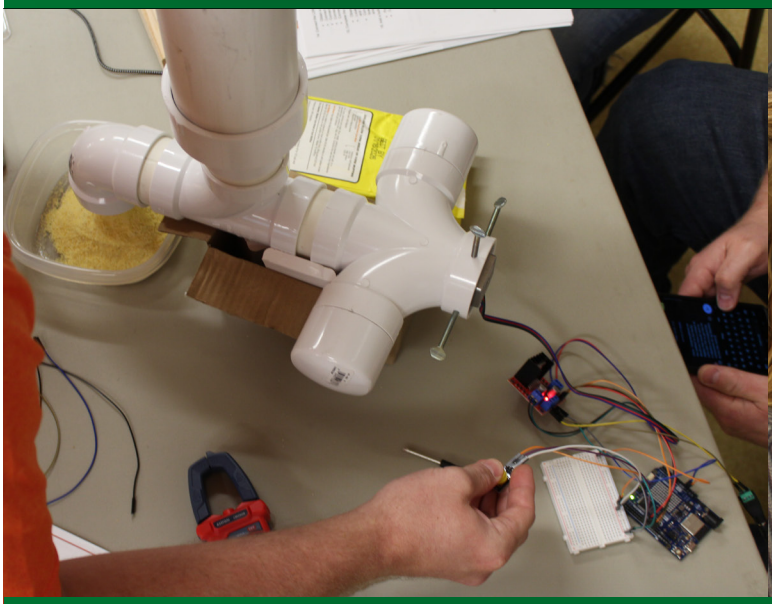
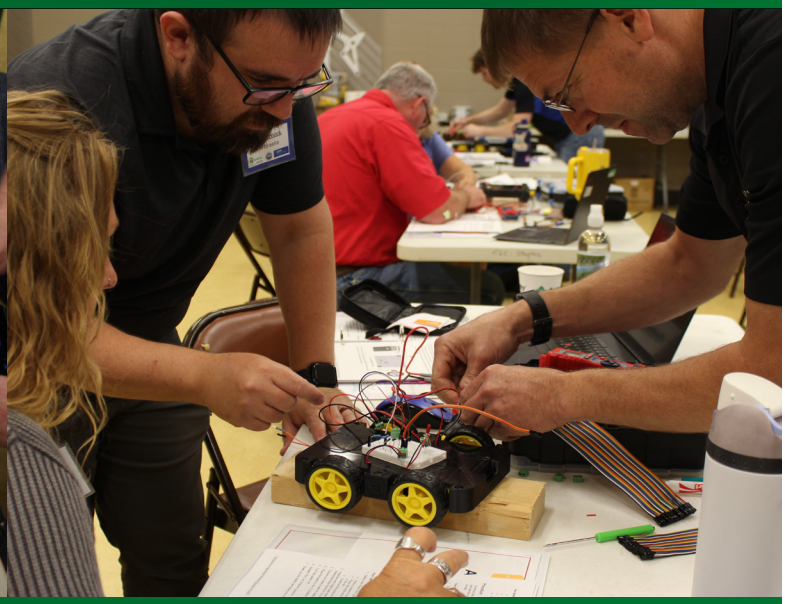
AGRICULTURAL ROBOTICS AND AUTOMATION TECHNOLOGIES





Field Training dates: June 21-24 | Austin, Minnesota



Images: Agricultural Robotics and Autonomous Technologies Partnership Model

Project Number # 2348815

Ag Centric
Agriculture Center of Excellence
Operations Facilitation PI

CASE
Curriculum for Ag Science Education
Initiative of the National Council for Ag Education (The Council)
Curriculum Co-PI

Central Lakes College
- Sustainable Agronomy
- Robotics
- Fiscal agent
- Faculty Co-PI

Northland Community & Technical College
- Animal Production
- Food Safety & Processing
- Faculty Co-PI

St. Cloud Technical & Community College
- Automation & Robotics
- Faculty Co-PI

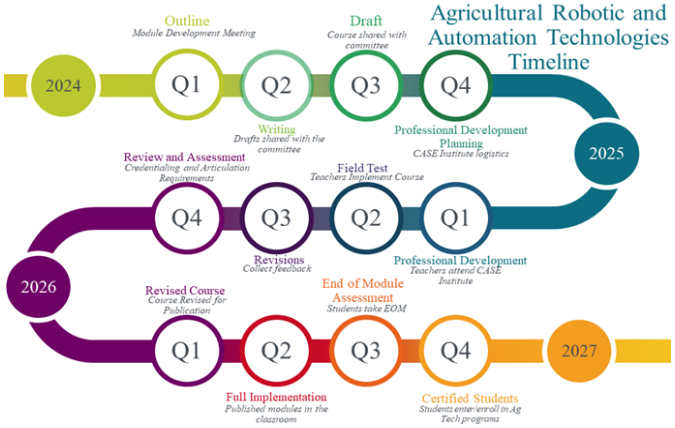
High School Partners
- Fentress County Schools, TN
- Goldendale High School, WA
- Marion School District, KS
- Owatonna High School, MN
- United South Central Public Schools, MN

Industry Partners
- Bremer Bank
- R. D. Offutt
- Association of Equipment Manufacturers
- CNH Industrial
- Claas

Module Development
- Curricular Resources
- Micro-credential
- Professional Development
- College Pathway

Students
- College, Career, Workforce Ready

Agricultural Robotic and Automation Technologies Timeline



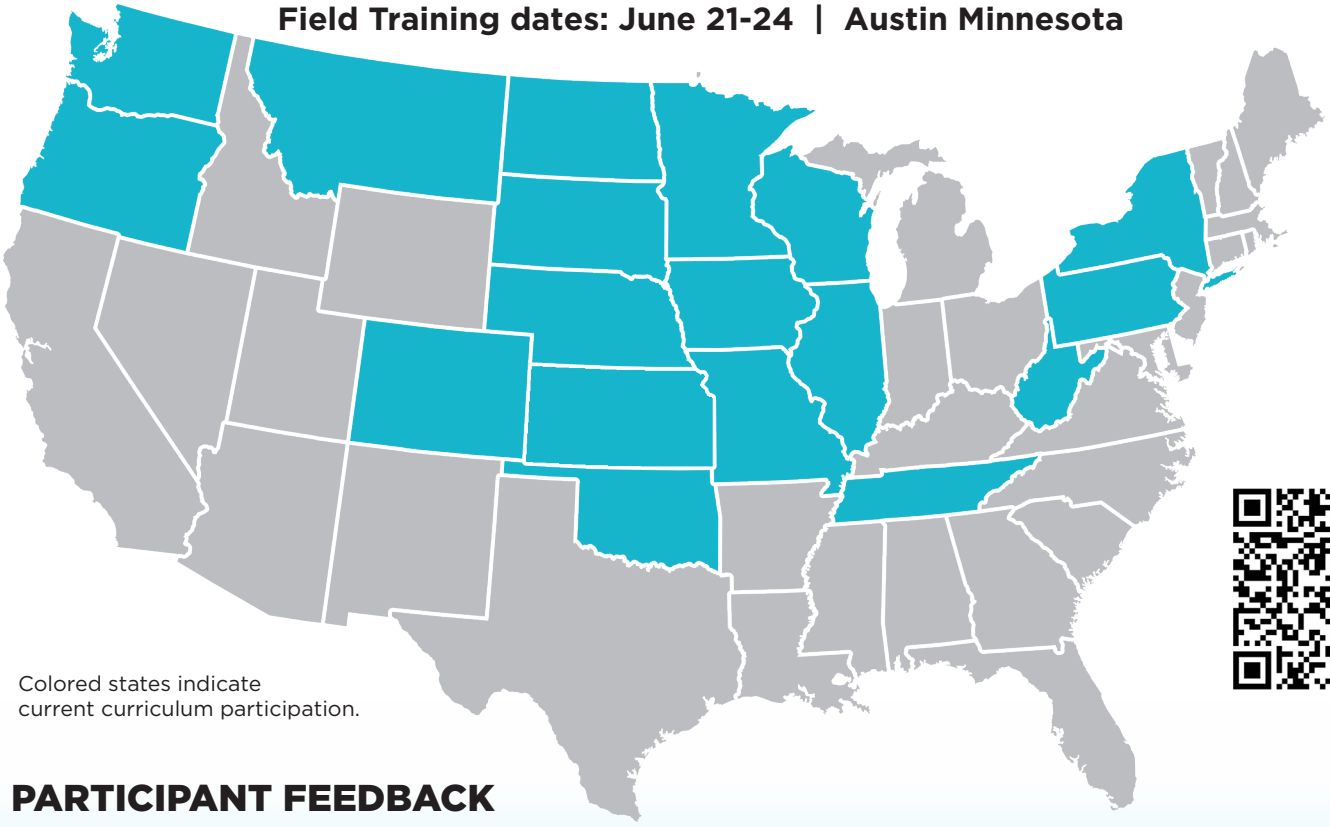
NSF | AgCentric Connecting Education & Agriculture | Minnesota State Northern Agricultural Center of Excellence | case4learning

For more information contact Keith Olander I AgCentric I keith.olander@clcmn.edu I 218.894.5163

ARAT Field Test: Connecting Classrooms Across America

Empowering Educators • Inspiring Innovation • Strengthening the Future Workforce

Field Training dates: June 21-24 | Austin Minnesota



Colored states indicate current curriculum participation.

PARTICIPANT FEEDBACK

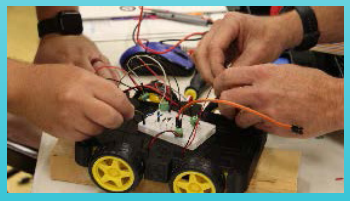
The ARAT (Agriculture, Robotics, Automation & Technology) Field Test is redefining agricultural education nationwide through the CASE 4 Learning model. Teachers are connecting robotics, automation, and problem-solving directly to real-world applications—bridging classrooms with community and industry. One participant exclaimed, *"It's not something that comes out of date. Live or living curriculum; I like it. It's constantly updated."*



Educators praised ARAT's adaptable, "living" curriculum that stays aligned with evolving technology. One teacher shared, *"Doing that community outreach, the community tours — it's that real-life application... now they've made a connection."*



Students gain hands-on experience that mirrors real careers. As one educator explained, *"That one exercise... they had to be an engineer or a trades person or a technical person... super useful as things that students need to be thinking about as they are looking ahead into what their career is going to be."*



From coast to coast, ARAT educators are cultivating innovation, technical skill, and purpose—building a connected network shaping the future of agricultural education.