



AGRICULTURAL ROBOTICS AND AUTOMATION TECHNOLOGIES

The ARAT field test is three days long and will have no costs. The National Science Foundation will fund participant expenses, including room, board, transportation, and materials needed to implement the curriculum. However, schools selected must place a \$500 down payment to hold their reservation. AgCentric will reimburse the school \$500 after you attend the first day of the Field Test.

Register by May 15

FIELD TEST LOCATIONS

- ✓ STAPLES, MN - JULY 28-30
- ✓ STAPLES, MN - JULY 30 - AUGUST 1

ABOUT ARAT

The Agricultural Robotics and Automation Technologies (ARAT) curriculum will introduce students to concepts in automation and robotics in three systems: animal, plant, and food. The first unit introduces core concepts in automation and robotics, while the last unit guides students through an open-ended design project. Between these two units, there are three modules - animal, plant, and food applications. Teachers can incorporate these units independently or together to meet local curricular needs.

? QUESTIONS? CONTACT JUDY BARKA - JUDY.BARKA@CLCMN.EDU OR CARL AAKRE - CARL.AAKRE@CASE4LEARNING





MINNESOTA STATE
Northern Agricultural Center of Excellence



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CASE 4 Learning is seeking 32 participants for two regional ARAT field tests. Potential participants must complete the ARAT Field Test Application by May 15. Selection is not a traditional first-come, first-serve style. CASE 4 Learning will notify applicants of their selection status via the personal email they provide by May 16. At that time, they must complete the provided registration link before May 20. Alternates are selected to fill additional seats as needed.

Register by
May 15

PROJECT GOALS

- ✓ TO DEVELOP THREE AGRICULTURAL AND AUTOMATION MODULES FOR SECONDARY SCHOOL STUDENTS THAT SECONDARY TEACHER CAN INSERT INTO CREDIT-BEARING, TECHNICAL SKILLS-BASED COURSES
- ✓ TO DEVELOP A MODEL OF PROFESSIONAL DEVELOPMENT FOR TEACHERS TO IMPLEMENT THE MODULES
- ✓ TO PROVIDE DIRECTION TO BRIDGE THE DIVIDE BETWEEN SECONDARY AND POST-SECONDARY AGRICULTURAL SCIENCE INCLUDING DEVELOPMENT OF A MICRO-CREDENTIAL

