

## Investigating Agricultural Biotechnologies (IAB) Field Test

### About IAB

The *Agricultural Robotics and Automation Technologies (ARAT)* curriculum will introduce students to biotechnology technical skills in industry-appropriate applications of biotechnology related to agriculture. Students are expected to become proficient in biotechnological skills involving micropipetting, bacterial cultures and transformations, microbiology, electrophoresis, CRISPR, and polymerase chain reaction.

#### *Course Content*

The *Agricultural Robotics and Automation Technologies* areas of study include:

- Unit 1 – Foundations of Agricultural Biotechnology
- Unit 2 – Molecular Biology and Genetic Principles
- Unit 3 – Biotechnology Tools and Applications

### What is a Field Test?

The introduction of a new CASE 4 Learning course requires several steps. After course development, the curriculum is field-tested to check for appropriateness, accuracy, and flow. In addition, field-testing a course provides an opportunity to validate the course and to inform the curriculum designers about potential areas of concern missed during the development stages. Each field test comprises a group of teachers who agree to teach the course following the draft curriculum and provide feedback for necessary changes.

### Call for Field Test Applicants

CASE 4 Learning is seeking 32 participants for two regional *AHVS* field tests. Potential participants must complete the [IAB Field Test Application](#) by **March 15**. Selection is not a traditional first-come, first-serve style. CASE 4 Learning will notify applicants of their selection status on March 18 via the personal email they provide. At that time, they must complete the provided registration link before April 15. Alternates are selected to fill additional seats as needed.

The *IAB* field test is three days long and will have no costs. The sponsorship from Bayer Crop Science and Syngenta will fund participant expenses, including room, board, transportation, and certification expenses.

#### *Field Test Location*

- Allentown, NJ – July 21<sup>st</sup>-24<sup>th</sup>

Questions? Contact Carl Aakre at [carl.aakre@case4learning.org](mailto:carl.aakre@case4learning.org).