
Academy Key Components

The program offers many opportunities for success:

- * Integrated Curriculum Freshman and Sophomore years
- * Thematic, problem based units
- * Team building
- * Introduction to the research process
- * Lower student-to-staff ratio
- * Dedicated staff
- * Study sessions
- * Demonstration Portfolio
- * Serious focus on skill development
- * Select Pathway
- * Portfolio Update
- * Design & complete Senior Project
- * Senior Project-Formal Presentation
- * Final Portfolio
- * Awards and Recognition Night, Additional Certificate and Medal
- * *Saturday Seminars* (Sophomores)
- * Job Shadowing (Juniors/Seniors)
- * an *Academy Project* (Juniors/Seniors)
- * a *Four Year Portfolio* to chronicle the high school academy years

SCIENCE FIELDS: Tracy is home to many families that work at Lawrence Livermore National Lab, Sandia National Lab and in the Silicon Valley. These research facilities have many Nobel Prize-winning scientists. A strong foundation of science and technology are opportunities open to Academy students whose interests include medicine, biology, and the sciences.

AGRICULTURAL FIELDS: Agriculture is the number one industry in the state of California. There is a need for demanding curriculum to meet the increasing employment demands in production, environmental science, resource management and plant and animal sciences. Students will have the chance to expand their technical knowledge as well as develop strong oral and written communication skills.

Job Shadowing Business Liaisons and Saturday Seminar Speakers

- VCA Old River Animal Hospital
- Mr. Nick Woodard
- Ms. Karin Silcox-Baker
- Mr. Matt Furtado, SF Giants
- Mayor Robert Rickman, City of Tracy
- Jennifer Walling Designs
- Kimball High School, West High School and Tracy High School, Administration and Staff
- Gould Medical Group, Dr. Robert R. Williams
- Graphic Packaging International
- Valley Chiropractic, Dr. Coykendall
- Roche Molecular Systems
- National Center for Equine Facilitated Therapy
- Pano Designs
- San Joaquin County Office of Education
- Stockton Cardiology
- RE/MAX Diamond Realty
- Guide Dogs for the Blind
- Nicholson Chiropractic, Dr. Larry Nicholson and Staff
- Hughson Nut
- City of Sunnyvale Public Safety, Officer Gary Vierra and Staff
- Jefferson Schools
- The Photographic Arts Studio
- Solano County Department of Agriculture
- Taylor Farms
- Jennifer Walling Designs
- Boyett Construction
- Fremont Toyota
- Nicholson Chiropractic
- Melo Construction
- The Photographic Art Studio
- Lawrence Livermore National Laboratory
- Art Expressions
- Dr Teranishi & Dr Matsune
- Dr Delacruz
- Alcatel-Lucent
- Superior Court, Alameda County
- Mr. Keena Turner, SF 49ers

Agricultural-Scientific Academy

Friendship. Fulfillment. Connections



Tracy High School

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<https://www.tracy.k12.ca.us/sites/th/AgSciAcademy/default.aspx>

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The Academies Office is located in
THS Room D110

What is the Agricultural/Scientific Academy?

The Academy is designed as an alternative program option at Tracy High School for students with a strong interest in science or agriculture. The Academy also helps students explore undecided career options. The goal of the program is to help students meet their individual educational goals.

Students in both science and agriculture will be intrigued by this program. The core classes of English, Social Studies and Science are loosely integrated to provide a continuity of learning and an appreciation of how science and agriculture impact their lives.

The Academy offers to each student:

- 1) a **four year core curriculum** which integrates skills from various academic areas; and meets University of California A-G entrance requirements.
- 2) exposure to interesting careers through **Saturday Seminars**;
- 3) exploration of careers through **Job Shadowing**
- 4) a drawing together of skills which will be demonstrated through an **Academy Project and formal presentation**.

Students completing all the components of this flexible program will receive a bronze medallion and certificate of completion in addition to their high school diploma. Students will also have completed a professional portfolio which will highlight their accomplishments and skill.

Required Academy Courses

FRESHMAN (9th Grade)

- Ag/Science Enhanced Biology OR Ag/Science Agricultural Biology
- Ag/Sci Advanced English I
- Ag/Sci World Geography Social Studies 1
- Math, PE, Elective/Modern Language 1

SOPHOMORE (10th Grade)

- Ag/Science Enhanced Chemistry OR Ag/Science Agricultural Chemistry
- Ag/Sci Advanced English 2
- Ag/Sci World Geography Social Studies 2
- Academy Saturday Seminars (1 Saturday per Semester)
- Math, PE, Elective/Modern Language 2

JUNIOR (11th Grade)

- Ag/Science CP English 3 or IB English HL1
- Ag/Science US History or IB History of the Americas HL1
- Mathematics, Science, Elective, Pathway Class
- Academy Project Class and Job Shadowing

SENIOR (12th Grade)

- Ag/Science CP English 4 or IB English HL2
- Ag/Science Econ/Government or IB History of the Americas HL2
- Mathematics, Science, Elective, Pathway Class
- Academy Senior Project and Student Recognition Night

JUNIOR AND SENIOR PATHWAYS are a blend of core classes and electives that reflect career and educational goals. Students choose from among the class options listed below or create a personalized pathway.

- **MEDICINE**— Advanced Biology I and II (H), Chemistry (H), Human Physiology, Physics (H), Psychology (H)
 - **VETERINARY SCIENCE**— Veterinary Science, Animal Physiology, Chemistry (H), Meats Processing, Small Animals and Horses
 - **ENVIRONMENTAL SCIENCE**—Environmental Systems (H), Forestry and Wildlife, Landscape Management
 - **APPLIED TECHNOLOGY**—Welding, CAD Systems, Diesel and Power Equipment Technology, Advanced Computer Science, Electronics, Physics, Technical Drawing, Shop Skills
 - **CHILDCARE RESOURCE SPECIALIST**—Child Development, Human Physiology, ROP Childcare, and Psychology
 - **AGRICULTURAL SCIENCE**— An individualized curriculum will be planned based on the student's interest and focus.
 - **PERSONAL EDUCATIONAL PLAN**
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PROGRAM SUPPORT



Study Sessions and Tutoring Assistance

Teachers provide study sessions by appointment. These sessions are highly recommended for the student that needs tips on notetaking and time management, or help with an assignment.

Students needing more specialized help can drop in at the Tracy High School Learning Labs for specific help in a subject.



Field Trips

We have four class field trips each year. In the fall, the freshman class travels to the Academy of Sciences in San Francisco and the Juniors tour historic Alcatraz in San Francisco. In the spring, sophomore students attend a field trip to two Universities and the Senior Class visits sites in Sacramento or San Francisco.

HOW TO APPLY

Application and selection is required to enroll in the Academy. This is a 4 year program; students are usually not admitted after freshman year. 2019-20 Applications will be available on the THS website. **Completed applications are accepted until 12/31/18:**

- On our THS webpage: <https://www.tracy.k12.ca.us/sites/thS/AgSciAcademy/default.aspx> click the "Click Here" and print!
- T.H.S. Academy Office, Room D110, stop by our office or call 830-3360, ext. 2080.
- We are allotted a limited number of Intra and/or Inter District Transfer seats for students who do not reside in the Tracy High School zone!
- Follow the directions carefully!

If you have any questions about the application process please call Merry Zimmermann, Admin Assistant, 830-3360, Ext. 2080 or email mzimmermann@tusd.net
