

OPPORTUNITIES

Student Marketing & Entrepreneurship



Develop agricultural mechanics skills



Hands-on learning using state of the art equipment



Community Services Opportunities



LHHS Agriculture

Phone (562) 566-5080

www.lahabraffa.wixsite.com



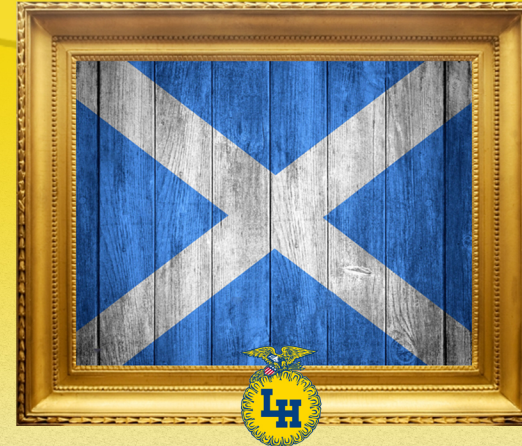
La Habra High School

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AGRICULTURE



**Learning to Do, Doing to Learn,
Earning to Live, Living to serve**



LA HABRA HIGH SCHOOL

(562) 266-5080

www.lahabraffa.wixsite.com

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HIGHLIGHTING

College & Career Ready



Explore the science of agriculture

Develop Premier Leadership Skills



FFA Competition

Exhibit animals/plants at county fairs.
Many fields day events for judging and competition
educational field trips.



AGRICULTURAL SCIENCE

Year 1: Sustainable Ag Biology is a laboratory science course, designed for the college-bound student that focuses on growth and reproduction, genetics, animal behavior, animals and plant taxonomy, nutrition, health and diseases, and the ecological relationship among plants, animals, and humans. Agricultural Biology satisfies the FJUHSD life science graduation requirement, UC"d" and/ or"q" requirements Recommended for Freshmen. Advanced lab course.

Year 2: Ag Soil Chemistry This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students will develop an Agri-science research program to be conducted throughout the first semester of the course. Additionally, students will develop and present a capstone soil management plan for agricultural producers, using the content learned throughout the course. Throughout the course, students will be graded on participation in intracurricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. UC"d" Advanced lab course.

Year 3: Advanced Sustainable Agriculture This integrated class combines an interdisciplinary approach to laboratory science and research with agricultural management principles. Using skills and principles learned in the course, students design systems and experiments to solve agricultural management issues currently facing the industry. Additionally, students will connect the products created in this class with industry activities to link real world encounters and implement skills demanded by both colleges and careers. The course culminates with an agriscience experimental research project in which students design and conduct an experiment to solve a relevant issue. Final projects will be eligible for Career Development Event competition at FFA events. Throughout the course, students will be graded on participation in intracurricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. UC "d" Advanced lab course.

Year 4: Veterinary Science provides a study of anatomy and physiology of small and large animals; proper health maintenance; sanitation; and the symptoms, treatment, and prevention of common diseases. This course satisfies the UC "g" Biology graduation requirements and satisfies the CSU "d" requirement. Recommended for seniors.

Art and History of Floral Design gives the student a practical look at the floriculture industry in California. This course satisfies the fine arts graduation requirement. This course satisfies the UC "f" fine arts requirements.



AG SCIENCE PATHWAY

FRESHMAN YEAR

- .English 1
- .Math
- .Sustainable Ag Biology
- .Physical Education/Sports
- .Ag Mechanics or Floral
- .World Language

SOPHOMORE YEAR

- .English 2
- .Math
- .World Language
- .Ag Soil Chemistry
- .World History
- .Physical Education. Sports

JUNIOR YEAR

- .English 3
- .Math
- .Adv. Sustainable Agriculture
- .US History
- .Elective: Ag Mech Floral

SENIOR YEAR

- .English 4
- .Math
- .Vet Science
- .American Government
- .Elective: Ag Mech/Floral



AG MECHANICS PATHWAY

FRESHMAN YEAR

- .English 1
- .Math
- .World Language
- .Physical Education/Sports
- .Agriculture Mechanics
- .Sustainable Ag Biology

SOPHOMORE YEAR

- .English 2
- .Math
- .Ag Soil Chemistry
- .World History
- .World Language
- .Agriculture Welding

JUNIOR YEAR

- .English 3
- .Math
- .US History
- .Ag Fabrication & Construction 1
- .Adv Sustainable Agriculture
- .Physical Education/Sports

SENIOR YEAR

- .English 4
- .Math
- .Ag Fabrication & Construction 2
- .Vet Science
- .Economics/Government
- .Sports

AGRICULTURE MECHANICS

Year 1: Agriculture Mechanics

Agriculture Mechanics is an academically challenging course that integrates mathematics, science, writing and mechanics. Specific units include: Using the Ag Mechanics Shop, Measurement, Project Planning, Electricity and Electronics, Plumbing Systems and Water Use, Arc Welding, Power Mechanics, and Careers. Students will focus on understanding theory of the preceding areas, as well as mastery of the application of these theories. Students will exceed core academic knowledge and demonstrate critical thinking skills as they apply their knowledge to projects, real-life scenarios, and case studies. Units covered in this course will build upon existing knowledge where applicable.

Year 2: Agriculture Welding

Agriculture Welding is an intermediate course that focuses heavily on learning the art, science, and techniques of welding. As it is a second year course to the Agriculture Mechanics pathway, it will allow the students to try out each of the different methods of welding and perfect their skills in each of the disciplines. Specific units include: Shop Safety, Understanding Design and Fabrication Processes Using Shielded Metal Arc Welding, Gas Metal Arc Welding, Oxygen/Acetylene Torch and Welding, and TIG Welding.

Year 3: Adv. Fabrication and Construction 1 & 2

This competency-based course provides serious students with entry-level skills in woodworking construction, and metal fabrication for project construction. Other skills include oxyacetylene welding and cutting, plasma cutting, gluing, and fastening woods. Students will receive instruction in safety, hand and power tool usage, planning, selecting materials, and usage related to the construction of items used in agriculture, shop, and home. Students will be using their own ideas and methods in the design and fabrication of a wood and/or metal project.. Leadership will be taught through FFA related activities and students will plan for their Supervised Agriculture Experience (SAE) project and maintain a project record book. These two components of agricultural instruction will be incorporated into the course grade. The end goal will be for students to receive a Forklift certification and receive hands on experience with professional construction and welding tradesman.

