

# URBAN GARDEN

## Luther Burbank High School

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### MISSION

- To inspire students to explore postsecondary education and career opportunities in the agriculture and natural resources management industries.
- To graduate action oriented students with the knowledge base, technical, and soft skills that prepare them for success in the agriculture and natural resources management industries

### DESCRIPTION

The Urban Agriculture Academy at Luther Burbank High School is an incubator space for South Sacramento youth to cultivate the knowledge, skills, and experience for postsecondary education and career opportunities in the broad, innovative, and impactful fields of Agriculture and Natural Resources Management. We take a real world approach to learning that inspires inquiry and balances academics in the classroom and hands on application in our campus farm - the Burbank Urban Garden (BUG). The BUG is a one acre student farm on the Luther Burbank High School campus complete with over 2,000 square feet of vegetable production beds, 800 square feet of flower production, pollinator and native plant beds, 45 fruit trees, a full production size greenhouse and lathe house, and tool and tractor barn. With a focus on sustainability and systems thinking, the academy's program of study engages students in civic, project-based, and work-based learning. Students in the academy grow, harvest, and market what they produce in our campus garden and greenhouse.



Increasing  
*creative confidence*  
through  
**Linked Learning**

WHAT I LIKE  
ABOUT **my**  
**pathway**



BUG has **taught me the basics of what it takes to be able to grow crops** and how to properly take care of plants such as fertilizing, watering and thinning out the sprouts if they grow too close together. — Julissa Lopez, Class of 2019

We are learning why it is **important to know where your food comes from.** — Jade Moore, Class of 2021

I like the garden because we get to do **work outside and get our hands dirty** and feel the soil. —

— Mong Yang, Class of 2018

I love BUG. It is like my second family, and I feel **so peaceful just being in the garden.** Its my space to breathe.

— Angely Chang, BUG Student Officer, Class of 2018

### Pathway Student Outcomes

- **FARMS Leadership Program**
- **7 Field trips to 7 different agriculture industry sites including UC Davis Animal Sciences, Sierra Orchards Walnut Farms, Mariani Nut Company, Superior Packing Co, Root 64 Farm, Oak Park Sol Community Garden, UC Davis Raptor Center and Student Farm.**
- **Paid Summer Garden Internship**  
Eight students were selected as paid interns to work in the garden 15 hours per week over the summer to keep the garden running with Mr. McPherson through our partnership with the City of Sacramento's Thousand Strong Program. Five students remain as paid employees working 2-4 hours after school during the school year.
- **Students participated in the following events:**  
Farm to Fork Festival at the in Sacramento  
CA Agriculture Day at the California Farm Bureau

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PROGRAM OF STUDY					RELATED CAREERS
	9 <sup>th</sup> GRADE	10 <sup>th</sup> GRADE	11 <sup>th</sup> GRADE	12 <sup>th</sup> GRADE	
CAREER EDUCATION COURSES	<ul style="list-style-type: none"> <li>Intro to Food, Agriculture, and Sustainability</li> </ul>	<ul style="list-style-type: none"> <li>Intro to Food, Agriculture, and Sustainability</li> </ul>	<ul style="list-style-type: none"> <li>Food Production and the Urban Environment</li> </ul>	<ul style="list-style-type: none"> <li>Agriculture and the Economy</li> <li>Food, Business and Entrepreneurship</li> </ul>	<b>High School Diploma</b> Garden center and retail work Nursery work Park Maintenance Landscape work  <b>2 Years of College (AA) or Certificate</b> Nursery Management and Operations Park Maintenance Landscape Design Contracting & Maintenance Fertilizer & Insecticide Application Retail/Wholesale Estimator/Consultant  <b>4 Years College or More</b> Agriculture Sciences and engineering Horticulture • Hydrology Agronomy • Food Science Soil Science • Crop Consultant Environmental Sciences Environmental Engineering Animal Sciences
ACADEMIC CORE COURSES	<ul style="list-style-type: none"> <li>Advanced English 9</li> <li>Integrated Math I</li> <li>Physical Science</li> <li>Contemporary Global Issues/Geography</li> </ul>	<ul style="list-style-type: none"> <li>Advanced English 10</li> <li>Integrated Math II</li> <li>Biology</li> <li>World History</li> </ul>	<ul style="list-style-type: none"> <li>English 11</li> <li>Integrated Math III</li> <li>Chemistry</li> <li>US History</li> </ul>	<ul style="list-style-type: none"> <li>English 12</li> <li>Integrated Math III+</li> <li>Physics</li> <li>US Government/Economics</li> </ul>	
ADDITIONAL GRADUATION REQUIREMENTS	2 years World Language, 1 year Art Elective, 2 years of Physical Education				
WORK-BASED LEARNING OPPORTUNITIES	<ul style="list-style-type: none"> <li>BUG 7th Period (After School Class)</li> <li>Guest Speakers</li> <li>Industry Panels</li> <li>Field Trips</li> </ul>	<ul style="list-style-type: none"> <li>BUG 7th Period (After School Class)</li> <li>Guest Speakers</li> <li>Industry Panels</li> <li>Field Trips</li> </ul>	<ul style="list-style-type: none"> <li>BUG 7th Period (After School Class)</li> <li>Paid Garden Internship</li> <li>Visit agriculture pathways at colleges (CRC, ARC, Sac State &amp; UCD)</li> </ul>	<ul style="list-style-type: none"> <li>BUG 7th Period (After School Class)</li> <li>Paid Garden Internship</li> <li>Off Campus Apprenticeship</li> <li>Senior Project</li> </ul>	

For more information on SCUSD's Linked Learning Pathways, visit [www.scusd.edu/linkedlearning](http://www.scusd.edu/linkedlearning)

## PARTNERS

University of California, Davis  
 California State University, Sacramento ( CSUS)  
 Cosumnes River College (CRC)  
 Center for Land-Based Learning

Root 64 Farm  
 First Mother Farms  
 Valley Mack Farmers Market  
 Oak Park Farmers Market

Soil Born Farms  
 Oak Park Soil  
 Slow Food Sacramento  
 Sacramento Natural Foods Co-op

