SUDAWorks - After School Green Jobs Program:
A green jobs and training program that includes work-based learning in the garden, farm, fablab, energy auditing and farmers market.

VISION: It is a fundamental belief that the planet is in dire need of sustainable environmental action and that justice is equity for all communities. The “Green Economy” is one that works towards both of these goals where students build skills as leaders in and for their own communities for a just and sustainable future.

MISSION: Empower students through a highly rigorous, engaging and supportive learning environment to graduate prepared for college, career and life as designers and leaders of movements towards a sustainable and just world.

Industry, Community and Academic Partners:
- SunPower
- OUSD Empower
- Energy Recovery
- Farm X
- EcoVisions
- Stopwaste.org
- PUEBLO
- Virtually Green
- Strategic Energy Innovations
- Merritt Community College
- Laney Community College

Sustainable Urban Design Academy (SUDA)
Castlemont High School 8601 MacArthur Blvd.
Oakland, CA 94605
sud-academy.org
timothybremner@gmail.com
(510) 639-1466
Careers: SUDA exposes and trains students for STEAM related careers through linked learning programming with academic and industry partners. College and career options include, engineering and design, public health and social enterprise.

Community: Youth Participatory Action Research (YPAR): SUDA engages students as researchers in their communities to collect data and organize for change. Those most impacted by the research are those doing the research.

**SUDA Courses**

**Sustainable Urban Energy (9th):** A-G approved integrated science class that focuses on alternative energy in the urban environment.

**Green Urban Design (10th):** A-G approved history elective that focuses on sustainable food systems.

**Urban Ecology (11th):** A-G science elective that focuses on environmental studies and design through air, soil, water quality and urban forestry among others.

**Green Economics, Policy and Organizational Development (12th):** A-G GovEcon course that has a focus on building a local sustainable economy.

**Sustainable Food Systems:**
- Farmers Market
- Culinary Arts Classes
- Acre Produce Farm
- School Garden
- Urban Forestry/Orchards
- Local Farm Tours
- Local Food vs. Food Deserts

**Digital Manufacturing and Design: FabLab** - 3D printing, laser cut printing, CNC routers, power tools, hand tools for design-build projects.

**Guns2Gardens (G2G) indoor smart aquaponics gardens** - use fish to grow food in a 1000 sq ft former gun range on campus

**Hands-on project-based linked learning** on and off campus through field trips to local farms, camping trips, community action projects and design-build projects to improve campus and community.