



SUSTAINABLE AGRICULTURE & GREEN ENERGY (SAGE)

Is SAGE right for me?

Offered at Colorado's Finest High School of Choice, the Sustainable Agriculture & Green Energy (SAGE) pathway attracts students from across the Denver metro area. SAGE is a truly unique program that provides hands-on, project-based learning to introduce students to the exciting and ever-growing worlds of sustainable urban agriculture and green energy.

A combination of science, math, business, art, engineering, and design, SAGE is a strong fit for students interested in exploring careers in agriculture, architecture, business, renewable energy, engineering, construction, and veterinary medicine. SAGE is also an excellent opportunity for students who are simply interested in learning about hydroponics and aquaponics, and the ever-popular farm-to-table operations such as raising backyard chickens, composting, community gardening, and bee-keeping. SAGE students gain knowledge and skill sets that can be used for the rest of their professional and/or personal lives.



ABOUT STEAM PATHWAYS

The Englewood Schools STEAM pathways provide students with rigorous coursework and builds technical skills through hands-on applied learning in a career interest area. Participation in a sequence of courses within a pathway prepares students for college and careers.

SAGE PATHWAY

SAGE students will participate in field experiences, including the designing, budgeting and construction of projects of their choice. Students are leaders in their learning, owning their projects from start to finish and developing every aspect of their project, including business models, budgets, design, material selection, and construction. Students strengthen their problem-solving, critical thinking and collaboration skills. The Englewood Schools SAGE pathway has strong community and business partners that provide students with expert advice and direction, and donated materials and supplies.

- Create and execute a business model
- Develop and manage a budget
- Build and maintain business partnerships
- Design and construct structures
- Compost
- Garden
- Explore your passions and creativity!

Popular Urban Agriculture and Green Energy Careers

Most health science careers require post-secondary education ranging from certificates to associate's degrees to masters degrees and doctorates.

HIGH SCHOOL DIPLOMA + /OR CERTIFICATES

Farmer
Landscape Designer
Nursery Technician
Chef

ASSOCIATE'S DEGREE

Construction Manager
Food Science Technician
Geothermal Technician
Organic Farmer
Park Ranger
Restaurant Manager
Solar Technician
Vineyard Manager

BACHELOR'S DEGREE OR HIGHER (MASTER'S OR DOCTORATE)

Architect	Industrial Ecologist
Civil Engineer	Industrial Hygienist
Climatologist	Marine Biologist
Environmental Engineer	Plant Scientist
Environmental Health and Safety Specialist	Project Manager
Geologist	Sustainable Food Systems Manager
Hydrologist/ Hydrogeologist	Urban Designer
	Veterinarian

DID YOU KNOW?

- The median annual income for **agriculture** and **engineering** occupations was **\$80,180** in 2018.
- **Solar installers** and **wind turbine technicians** were the fastest growing occupations in 2018.*

Source: US Bureau of Labor Statistics



COLLEGE MAJORS

- | | | |
|----------------|-------------------|---------------------------|
| □ Agriculture | □ Economics | □ Sustainable Agriculture |
| □ Architecture | □ Engineering | □ Technology |
| □ Biology | □ Horticulture | □ Wildlife Ecology |
| □ Botany | □ Marine Sciences | |
| □ Business | | |



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Englewood Schools
Belong and Thrive

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