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## Arroyo Valley High School CORE Academy

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Train students in sustainable systems in 4 year course sequence

- 9th grade: Environmental Science
  - Course Overview: Students are introduced to the earth's systems and how humans impact them. Alternative forms of energy are introduced.
- 10th grade: Environmental Horticulture
  - Course Overview: Basic botany, plant ecology including invasive & native plants
- 11th grade: Sustainable Agriculture
  - Course Overview: sustainable landscape design, landscape retrofits, irrigation, hardscapes, \*edible landscapes
- 12th grade: Green Urban Design
  - Course Overview: LEED certification, energy audits, alternative energy source, green space, \*ArchGIS, SketchUp, \*MC3 building trades curriculum

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## Partners

- There are many ways to take an active role in shaping the next generation of workers. We work with a variety of business and community partners to help our students contribute to the 21 century employee. Here are some ways you can be involved.
  - Guest Speakers: address students on above topics and perhaps integrated topics in science, english, history, government, economics, mathematics and how they relate to the above topics.
  - Student work experiences: student job shadowing, internships
  - Equipment donation and demonstration: industry specific equipment is always a need and professionals to introduce students to the different uses in the field.
  - Mentors: attend our career fair (October and March), assist and critique student projects
  - Advisory Board: be a part of the planning of field trips, curriculum integration

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