SAE Area: Agricultural Mechanics - Design & Fabrication

Description: Involves the design and construction of agricultural equipment structures, and/or selection of the structural materials, and/or implementation of plans for utilizing concrete, electricity, plumbing, heating, ventilation, and/or air conditioning into agricultural settings.

Project Ideas: - Design, build, and sell lawn ornaments.
- Build garden sheds for homeowners.
- Pour concrete forms for machine sheds or other agricultural buildings.
- Work for an agricultural plumbing business.
- Construct prototypes of hydraulic systems.
- Run a custom fence-building operation.
- Design irrigation systems for agricultural production purposes.
- Work on plumbing waste systems, air and water systems in agricultural settings.
- Work for an agricultural fabrication or construction company.
- Design and construct greenhouse watering systems.