



### **Grow your Success**

The Ag/Plant Science classes have a commercial sized greenhouse which features hydroponics, aquaponics, hanging gardens, and ample space to grow a wide variety of vegetables, fruits, and flowers, including poinsettias! We also incubate eggs for hatching every Spring!

### **Weld and Build**

The Agriculture Mechanics Shop turns raw materials into works of art! We learn skills from welding to architecture and build everything from motors to trailers. We produce skilled workers for the highest demand jobs in Nevada!

### **Power your Future**

Diesel techs work on the most sophisticated equipment in the industry. Our completing graduates head into the workplace prepared for some of the most highly compensated skilled careers today.

**Agriculture is for everyone!**

Agriculture education provides students with technical and specialized knowledge in agriculture mechanics engineering technologies, agriculture science, natural resources, and other agriculture occupations such as:

- Agribusiness & Marketing
- Agronomy & Soil Science
- Aquaculture/Hydroponics
- Botany/Horticulture
- Construction
- Environmental Engineering
- Floral Design/Floriculture
- Forest Service/BLM
- Greenhouse Management
- Heavy Equipment Tech
- Hydrology
- Mechanical Engineering
- Tungsten Arc Welding
- Veterinary Medicine
- Zoology

### **Contacts**

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To apply, go to:  
[www.washoeschools.net/sacte](http://www.washoeschools.net/sacte)

Select NVHS CASE Academy on the application!



North Valleys High School  
1470 E. Golden Valley Rd.  
Reno, NV 89506

# CASE Academy

The Center for Agriculture Science and Engineering Academy (CASE) is a Signature Academy that teaches students agriculture-focused curriculum through hands-on learning experiences. Students will be given the opportunity to choose an academy pathway that suits their interests in a variety of ways such as:

- **Ag Resource Management:** Ag Sci I/II, Plant Sci, and Greenhouse Mgmt
- **Ag Engineering:** Agriculture Mechanics or Diesel Technology



With an emphasis on higher order thinking skills, students will develop mastery in applying conceptual knowledge to solve issues that would occur in an agricultural setting. All students will be given the opportunity to

engage in entrepreneurial and workplace learning experiences and to develop leadership and interpersonal skills by participating in student organizations such as The National FFA Organization and SkillsUSA. CASE will challenge the skills of its students by assessing the learner's knowledge, skills, and abilities through on-demand demonstrations, portfolios, and capstone projects.

Ag Resource Management

*Suggested course sequence*

**Freshman Year (9)**  
**Agriculture Science I**

English 1-2 or (H)  
Alg 1/Geometry/Formal Geometry  
Biology or (H)  
Health/CSA/CADD I  
PE/Yoga/Power Walking  
Freshmen Seminar (GRIT)

## **Sophomore Year (10)**

**(H) Plant Science/Ornamental Horticulture**

English 3-4 or (H)  
Geometry (or Formal)/Algebra 2  
Chemistry/Conceptual Phys, or other Science class  
World History or (H)  
PE/Yoga/Power Walking  
Greenhouse Lab (GRIT)

## **Junior Year (11)**

**(H) Agriculture Science II**

English 5-6 or AP  
Alg 2 or (H) Trigonometry/Pre-Calculus/Statistics  
U.S. History or AP  
AP Chemistry/Human A&P/Physics  
Culinary I or Elective  
Greenhouse Lab (GRIT)

## **Senior Year (12)**

**(H) Greenhouse Management**

English 7-8 or AP  
Pre-College Math/AP Calculus  
AP Physics/AP Env Sci/AP Physics  
Government or AP  
Culinary II or Elective  
Greenhouse Lab (GRIT)  
Ag Engineering

*Suggested course sequence*

## **Freshman Year (9)**

**Ag Mech Tech I or Diesel Tech I**

English 1-2 or (H)  
Alg 1/Geometry/Formal Geometry  
Biology or (H)  
**CADD I** or CSA/Heath

PE/Yoga/Power Walking  
Freshman Seminar (GRIT)

## **Sophomore Year (10)**

**(H) Ag Mech Tech II or Diesel Tech II**

English 3-4 or (H)  
Geometry (or Formal)/Algebra 2  
Chemistry/Conceptual Physics  
World History or (H)  
PE/Yoga/Power Walking  
Ag Mech or Diesel Tech Lab (GRIT)

## **Junior Year (11)**

**(H) Ag Mech Tech III or (H) Diesel Tech III**

English 5-6 or AP  
Alg 2 or (H) Trig/Pre-Calc/Statistics  
U.S. History or AP  
AP Chemistry/Human A&P/Physics  
**(H) CADD II**  
Ag Mech or Diesel Tech Lab (GRIT)

## **Senior Year (12)**

**(H) Ag Mech Tech AS or (H) Diesel Tech AS**

English 7-8 or AP  
Pre-College Math/AP Calculus  
AP Physics/AP Env Sci/AP Physics  
Government or AP  
**(H) CADD III**  
Ag Mech or Diesel Tech Lab (GRIT)