As in any industry, **CONSUMERS** and **TECHNOLOGY** drive what and how things are produced. Right now, **PERSONAL HEALTH**, **SUSTAINABILITY** and **NUTRITION** are significant drivers affecting ag, food and natural resources, but there are other market factors constantly weighing on these industries as well, including **ECONOMICS**, **GOVERNMENTAL POLICIES**, the **ENVIRONMENT**, **DEMOGRAPHICS AND MORE**. Meanwhile, **INNOVATION** makes involvement in these industries ever-expanding.

### Research & Development

After determining trends in consumer preferences, research and development labs create innovative new processes, products and solutions to solve problems.

### Pre-Production

Inputs like seed, machinery and data analysis are just some of the things needed to carry out the duties of the rest of the chain.

### Production

The raw materials needed for end products are produced. Crops are grown, livestock is raised, oil is drilled and minerals are mined.

### Supply Chain

Someone needs to turn raw materials into products and get them into consumers’ hands.

### End Product

When the end product of food, fuel, fiber, lumber or pharmaceuticals is ready, it is stocked for public use.

### Sales, Service & Support

Advertising and marketing are used to inform consumers of their purchase options and lead them to stores.

### Consumers

Finally, products at the end of the chain are ready for consumption by:

- People who eat
- wear clothes
- take medicine
- live in homes
- drive vehicles

### Careers & Impact Throughout the Chain

- Market research analysts
- Animal nutritionists
- Genetics
- Microbiologists
- Scientists
- Engineers
- Welders
- Mechanics
- Technology analysis
- Seed, fertilizer and chemical salespeople
- Farmers
- Ranchers
- Oil Drillers
- Miners
- Meat processing plant workers
- Truck drivers, pilots, barge operators
- International trade businesspeople
- Veterinarians
- Grocery & retail store managers
- Restaurant chefs
- Machinery dealers & mechanics
- Graphic Designers
- Writers
- Public relations professionals
- Journalists
- Salespeople

People who eat
- wear clothes
- take medicine
- live in homes
- drive vehicles
Nevada Agricultural Education & FFA
A Career & Technical Education Program

School-Based Agricultural Education

CLASSROOM/LABORATORY
Contextual, INQUIRY-BASED Instruction & Learning through an interactive classroom & laboratory. Instruction is applied Science, Technology, Engineering & Math (STEM) concepts.

Nevada Courses
- Ag. Mechanics Technology
- Ag. Business
- Ag., Leadership, Communications & Policy
- Animal Science
- Biotechnology
- Environmental Management
- Floriculture Design & Management
- Food Science Technology
- Landscape Design & Management
- Natural Resources & Wildlife Management
- Ornamental Horticulture & Greenhouse Management
- Veterinary Science

WORK-BASED LEARNING
Experiential, Service and/or Work-Based Learning through the IMPLEMENTATION of a Supervised Agricultural Experience Program. Examples - internships, ownership, research, school businesses & service

Students impact the state’s economy through work-based projects via money invested and hours worked. They also develop valuable career skills and strengthen Nevada’s agriculture and food industry.

FFA—LEADERSHIP
Premier Leadership
Personal Growth
Career Success

Students develop leadership skills at 7 state level FFA events through ENGAGEMENT in FFA programs & activities. Every student enrolled in a Nevada high school agricultural education course is in FFA.

VISION
- Grow Leaders
- Build Communities
- Strengthen Agriculture

STUDENT IMPACT
Growth
Students develop leadership skills at 7 state level FFA events
Service
Students volunteer in their communities

EMPLOYABILITY
In addition to technical skills, students are learning how to work in teams, problem solve, organize and communicate.

STUDENTS
Access
Every student enrolled in an agricultural education course is in FFA. That gives them access to countless opportunities.

Access
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