

Lapwai Middle-High School

AGRICULTURAL FABRICATIONS PATHWAY

Lapwai High School Localized Pathways: Regional Workforce and Educational Opportunities

PATHWAY OVERVIEW: Designed for students interested in agriculture, welding, fabrication, construction, mechanics, natural resources, and skilled trades. Through hands-on learning, leadership development, industry experiences, and workplace training, students graduate prepared for employment, apprenticeships, technical schools, or college programs related to agriculture and industrial technology. This pathway combines Career Technical Education (CTE), leadership development, environmental science, welding, fabrication, and real-world internship experiences to prepare students for success in Idaho's growing agricultural and trades industries.

1. Agricultural Foundations: **Grade 9**

Agricultural Careers; Animal & Plant Science; Agricultural Technology; Leadership Fundamentals; Agricultural Safety

- **Core Coursework**
English 1
Algebra 1
Physical Science
- **Agricultural Pathway Course:**
Introduction to Agriculture

2. Leadership & Agricultural Science: **Grade 10**

Parliamentary Procedure; Public Speaking; Meeting Management; Natural Resource Conservation; Environmental Stewardship; Leadership Development

- **Core Coursework**
English 2
Geometry
Biology
U.S. & Native American History
- **Agricultural Pathway Course:**
Roberts Rules of Order
Environmental Science

3. Technical Skill Development: **Grade 11**

Welding Safety; Arc Welding; Metal Preparation; Blueprint Reading; Equipment Operation; Shop Skills

- **Core Coursework**
English 3
Algebra II; Math for Tech 137 LCSC
Chemistry
Economics
- **Agricultural Pathway Course:**
Agricultural Welding & Construction

4. Fabrications Capstone: **Grade 12**

Design & Fabrications Projects; Agricultural Equipment & Repair; Metal Fabrication; Project Planning & Management; Career Portfolio Development

- **Core Coursework**
English 4
College Algebra or Advanced Math
Advanced Science
Government & Senior Project
- **Agricultural Pathway Courses:**
Agricultural Fabrications
- **Possible Internship Opportunities:**
Agricultural Operations
Welding & Fabrications Shops
Construction Trades
Forestry & Natural Resources
Heavy Equipment Operations
Tribal Agricultural Programs
Local Business & Industry Partners

5. Postsecondary Opportunities

After completing this pathway, students graduate with:

- **Meet Idaho Graduation Requirements**
- **Develop Advanced Technical & Trade Skills**
- **Completed Agricultural Internship**
- **Build Leadership Experience (FFA, AG 410)**
- **Gain Real World Workplace Experience**
- **Graduate Prepared for Apprenticeships, Workforce Training, Technical Colleges, Military Service, Postsecondary Agricultural Programs**

