CAREER PATHWAYS

VIKINGS

2023-2024

Agriculture, Food, and Natural Resources

About

Agriculture, Food and Natural Resources are some of Idaho's largest industries.

Middleton High School offers three pathway opportunities:

- **Welding**
- **Animal Science**
- **Ornamental Horticulture**

Career Outlook

The Idaho Department of Labor, has published the 2030 career outlook for occupations in Idaho. Below are the projected increases.

Farmers, Ranchers, and Other Agricultural Managers: 12.9%

Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders: 38.4%

Veterinary Assistants and Laboratory Animal Caretakers: 12.2%

Veterinary Technologists and Technicians: 12.1%

Floral Designers: 18.6%

Pathway	Introductory	Intermediate	Capstone
Agriculture Welding	Introduction to Ag Industry or Introduction to Ag Mechanics	Beginning Welding	Advanced Welding and Advanced Ag Welding Fabrication
Animal Science	Animal Science Introduction to Livestock	Animal Science and Vet Science	Standards of Animal Science
Ornamental Horticulture	Introduction to Plant Industry	Floral Design and Marketing and/or Landscape Design	Standards of Horticulture

Student Organization

Business & Marketing Education

About

Middleton High School offers a pathway in **Business Marketing**. The classes focus on planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Marketing classes focus on planning, managing and performing marketing activities to reach organizational objectives.

Career Outlook

The Idaho Department of Labor, has published the 2030 career outlook for occupations in Idaho. Below are the projected increases.

Media and Communication Workers: 24.7%

Sales Representatives/Managers: 25.4%

Accounting/Bookkeeping and Auditing Clerks 14.2%

Customer Service Representatives: 11.2%

Pathway	Introductory	Intermediate	Capstone
Business Marketing	Business Computer Applications 1	Business Essentials or Digital Marketing	Business Marketing

Student Organization

DECA

DECA Membershi...

Family and Consumer Sciences, and Human Services

About

Family and Consumer Sciences is uniquely equipped to address gaps in employability skills of CTE students. By leveraging FCS curriculum that includes competencies in social/ emotional skills, ethics, resiliency, work/life balance, and grit, CTE students can be prepared to thrive in their chosen career field.

Hospitality Services and Culinary Arts facilitate students' access to careers that address food security issues and community vitality through strong hospitality /tourism and food service/culinary arts workforce.

Middleton High School offers a pathway in **Culinary Arts.**

Career Outlook

The Idaho Department of Labor, has published the 2030 career outlook for occupations in Idaho. Below are the projected increases.

Chefs and Head Cooks: 14.9%

Cooks: 25%

Food Service Managers: 8.9%
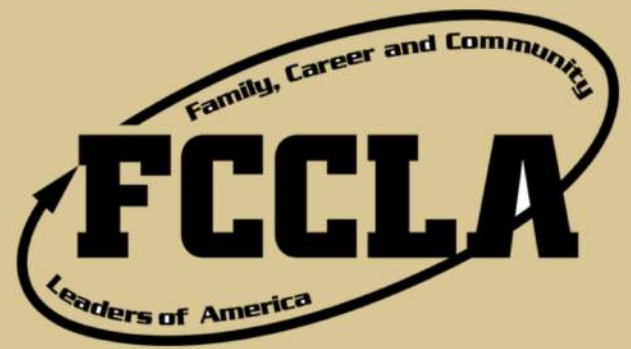
Food Servers: 17.4%

Hosts and Hostesses: 17.2%

Supervisors of Food Preparation and Serving Workers: 15.7%

Pathway	Introductory	Intermediate	Capstone
Culinary Arts	Foundational Foods	Nutrition and Food or Culinary Arts	Advanced Culinary Arts

Student Organization

FCCLA

Health Professions and Public Safety

About

Health professions and public safety classes are high in demand in a growing field.

Health professions and public safety classes teach you about planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Middleton High School plans to offer two pathways:
- **Nursing Assistant**
- **Rehabilitation Services**

Career Outlook

The Idaho Department of Labor, has published the 2030 career outlook for occupations in Idaho. Below are the projected increases.

Licensed Practical and Licensed Vocational Nurses: 17.6%

Nursing Assistants: 18.2%

Occupational Therapy Assistants: 24.7%

Physical Therapist Assistants: 24.3%

Medical Assistants: 24.2%

Healthcare Support Workers, All Other: 15.4%

Pathway	Introductory	Intermediate	Capstone
Nursing Assistant	Fundamentals of Health Professions	Medical Terminology and/or Anatomy and Physiology for Health Professionals	Nursing Assistant
Rehabilitation Services	Fundamentals of Health Professions	Medical Terminology and/or Anatomy and Physiology for Health Professionals	Rehabilitation Services

Student Organization

hosa future health professionals

2023 HOSA ILC Pr...

Trades and Industry

About

Classes in trades and industry focus on manufacturing, transportation, and construction. Middleton High School is planning to offer a pathway in **Construction** that encompasses designing, planning, managing, building and maintaining the built environment.

Career Outlook

The Idaho Department of Labor, has published the 2030 career outlook for occupations in Idaho. Below are the projected increases.

First-Line Supervisors of Construction Trades and Extraction Workers: 39%

Construction Laborers: 27.6%

Painters, Construction and Maintenance: 30.7%

Helpers, Construction Trades, All Other: 26.7%

Miscellaneous Construction and Related Workers: 36.4%

Pathway	Intermediate	Intermediate	Capstone
Construction Trades	Residential Carpentry/Building Construction Level I	Residential Carpentry/Building Construction Level II	Residential Construction Level III

Student Organization

SkillsUSA ®

What is SkillsUSA ...

NATIONAL LEADERSHIP

WHA... ...USA AND NLSC?

Cybersecurity

About

This Dual Credit Introduction to Cybersecurity Course Roadmap was created in partnership with College of Southern Idaho. This program is designed to prepare students for employment in the diverse world of software development and computer security. Students will learn the basics of software development and participate in software development projects. Students will also learn the basics of how to secure an organization's computer systems, and be exposed to both defensive and offensive security techniques. Students will complete a Technical Skills Assessment to demonstrate program competency and will earn a Basic Technical Certificate if they complete all 3 courses.

An entry level Cyber Security Analyst salary ranges from $50,000 to $72,000 a year.

The cybersecurity roadmap is facilitated through the Idaho Digital Learning Alliance (IDLA). The course sequence will be offered in a online format with time built into the student's daily schedule.

Course Sequence

- Dual Credit Introduction to Programming (CSI)
- Dual Credit Cybersecurity (CSI)
- Dual Credit Introduction to Networking (CSI)

Course Sequence

This is a 3-course program at CSI. Students who take all 3 courses will receive a technical certificate. The three courses are Dual Credit Intro to Programming (CSI), Dual Credit Intro to Networking (CSI) and this course. Courses may be taken in any order.

Introduction to Programming

In this course, students will build the knowledge necessary to construct solutions to problems using the concepts underlying most programming languages, including variables, conditional statements, loops, and functions. Emphasis will be placed on problem decomposition, research techniques, and best practices for generating well-documented, reusable code.

Cybersecurity

This course serves as a general introduction to the career of cybersecurity. Students will describe and demonstrate various aspects of the myriad of fields that make up cybersecurity. They will learn how to manage their own digital identity, and learn how to assess and manage risk.

Introduction to Networking

This course will guide you through the basics of networking and help you build a strong foundation for pursuing a successful networking career. The demand for network specialists continues to grow rapidly as emerging technologies like the internet of things, biometrics, and artificial intelligence are proliferating across the globe.

Web Development

About

The Dual Credit (DC) Web Development Roadmap is for those students interested in organizational web design, development, and management. Students following this roadmap will have the opportunity to complete two courses that articulate into the AAS Web Design & Development and BAS Web Design & Development degree programs at Lewis-Clark State College. Students choosing to continue on this roadmap after high school would be able to complete the AAS degree program through LCSC entirely online, on campus, or through a mix of the two.

In Idaho, the annual salary can range from $25,000 to $79,000. According to the Idaho Department of Labor Jobscape data, this position is in high demand.

The web development roadmap is facilitated through the Idaho Digital Learning Alliance (IDLA). The course sequence will be offered in a online format with time built into the student's daily schedule.

Course Sequence

- Exploring Computer Science
- Dual Credit Web Development I (LCSC)
- Dual Credit Web Development II (LCSC) - under development

Course Sequence

Exploring Computer Science

This course covers the foundation for several CTE Career Pathways within Information Systems and Technology. Students will learn a basic understanding of What a Computer is as well as Hardware, Software, Troubleshooting, Networks, and the Internet. They will develop concepts that include basic HTML/Web Design, an introduction to Programming, Video Game Design and Mobile App Development. It also covers Career Exploration and prepares students for greater opportunities in Computer Science.

Web Development I

Students enrolled in this course will have the opportunity to develop skills toward a career and technical education (CTE) pathway or apply credit earned toward a college degree, or both. They will learn the fundamentals of Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) and their vital relationship to each other. Students will distinguish the use of HTML and CSS as to content and presentation. Students will demonstrate knowledge of W3C compliant websites. This course will prepare students for greater opportunities in Computer Science.

Web Development II

This course is under development.