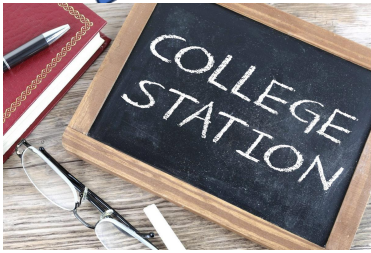


Raytown Quality Schools



CEPG Accompanying
Career Paths Planning Guide

Raytown Quality Schools

January 1, 2024

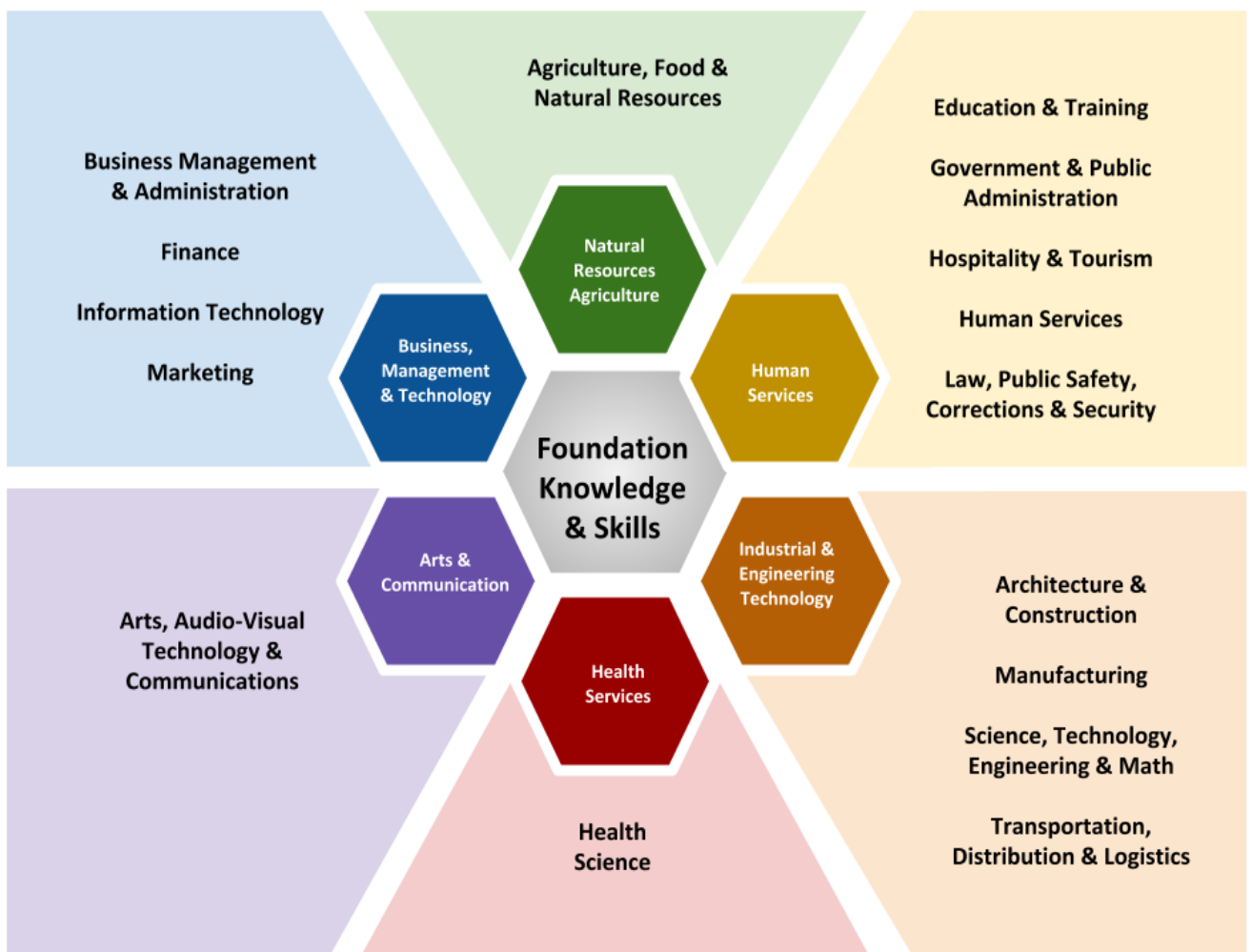
TABLE OF CONTENTS

| | |
|---|-------|
| Career Paths Introduction | 2 |
| Purpose of Cluster Introduction | 3 |
| Pairing the Career Paths Guide with the Career and Educational Planning Guide | 3 |
| College Readiness Indicators | 4 |
| Career Readiness Indicators | 5 |
| Live Ready Indicators | 6 |
| ICAP Template | 7-8 |
| Career and Technical Education Certification Requirements | 9 |
| Arts, A/V Technology & Communication | 10-12 |
| Business, Management & Technology | 13-15 |
| Health Services | 16-18 |
| Human Services | 19-21 |
| Science, Technology, Engineering & Mathematics | 22-24 |
| Natural Resources Agriculture | 25-27 |
| Career Planning Common Language | 28 |
| Question and Answers about Career Clusters | 29 |

Career Paths Introduction

The Missouri Department of Education has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way. These six paths branch off into sixteen career clusters which organize occupations and careers. Occupations within a Career Cluster are grouped into pathways that identify shared skills sets, competencies and common roles within the path. In the center of the Career Path hexagons is a white hexagon that represents core academic & technical skill classes that are mandatory for students to meet graduation requirements.

CAREER PATHS AND CLUSTERS



PURPOSE OF CAREER CLUSTERS

Career paths are clusters of occupations/careers grouped according to participants' interests and talents or skills. All paths include a variety of occupations that require different levels of education and training. Thus, career paths provide a plan for all students, whatever their interests, abilities, talents, or desired levels of education. Selecting a career path provides a student with an area of FOCUS, along with FLEXIBILITY and a VARIETY of ideas to pursue. The focus of career paths is on helping students choose a career path, not a specific occupation. Selecting a career path is not a lifelong commitment; it is a place to begin focusing one's energies. As students take different courses and learn more about themselves and careers, they will probably change career paths. Students who understand the career paths concept will be aware that there are a variety of other related possibilities if the first path no longer fits them. If different career paths become more interesting, the students can reevaluate plans, make appropriate decisions, and revise their high school plans as necessary.

Raytown's students complete career exploration assessments starting in the 8th grade. This is a way the student can identify an initial career path choice. Counselors and Advisory teachers will then use this information to assist students in making course selections and developing a five-year plan.

PAIRING THE CAREER PATHS GUIDE WITH CAREER & EDUCATIONAL PLANNING GUIDE

1. *Career Paths Guide: Each Career Path has two pages that includes information about around each Path and its relevance to students based on their
 - a. *interest, personal qualities, activities, and subjects they enjoy*
 - b. *Potential for earnings in Missouri based on education*
 - c. *Programs of Study and RQS courses that align with each Career Path**
2. *Career and Educational Planning Guide: Each course will have a colored hexagon(s) next to the course descriptions to assist in course selection.*

COLLEGE READY INDICATORS

Research emphasizes the importance of understanding college readiness linked to K-12 preparation. Many factors contribute to students' sorting into various levels of courses in high school: availability of courses, knowledge of offerings at the school, academic ability, interest, motivation, familial involvement (or lack thereof), and the influences of teachers, counselors, and peers. Below is a list of benchmarks that will aid students in gauging readiness for college for post-secondary plans.

End of 5th Grade

- **Academic Standards**
 - NWEA RIT Score Math - 227 or higher, ELA 219 or higher, & Language 217 or higher.
 - Earn A, B, or C in 5th grade Mathematics
- **Standardized Testing Benchmarks**
 - Proficient or Advanced on MAP Math GLA
 - Proficient or Advanced on MAP ELA GLA

End of 8th Grade

- **Academic Standards**
 - NWEA RIT Score in Math - 234 or higher, ELA - 226 or higher, & Language - 224 or higher
 - Earn A, B, or C in 8th grade Math or Algebra
- **Standardized Testing Benchmarks**
 - Proficient or Advanced on MAP Math GLA
 - Proficient or Advanced on MAP ELA GLA

End of High School

- **Academic Standards**
 - GPA of a 2.8 or above and one or more of the following indicators:
 - Advanced Placement (AP) score of 3 or higher, Earn an A,B or C in AP course(s)
 - Earn A, B, or C in Duel Credit College Eng. or Math
 - Earn A,B, or C in Alg. II
- **Standardized Testing Benchmarks**
 - recieved minimum score on the ACT
 - English - 18
 - Reading - 22
 - Science - 23
 - Math - 22

CAREER READY INDICATORS

Career readiness is the process of preparing students with the skills they need to find, acquire, maintain, and grow within a job. Career readiness encompasses everything that a student needs to know to launch a successful occupational life, along with all of the accomplishment, pride, stability, and progression that entails.



End of 5th Grade

- 90% average attendance
- Participate in clubs, activities and service projects



End of 8th Grade

- 90% average attendance
- 10-15 hours of participation in service projects, extracurricular clubs/sports
- Complete the Missouri Connection Inventory



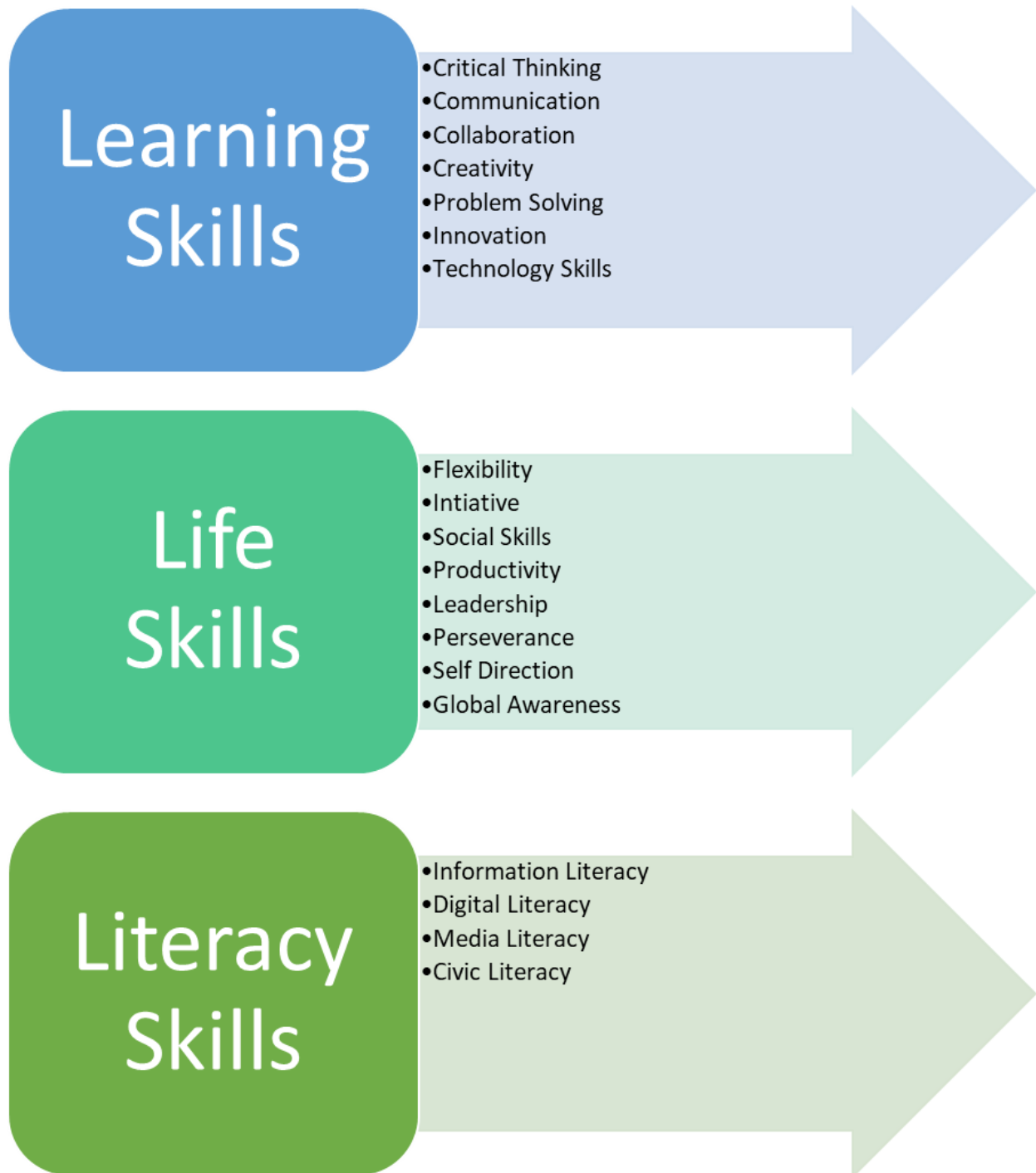
End of High School

- 90% average attendance
- Workplace Learning Experience
- Market Value Asset
- Industry Recognized Credential
- Dual Credit Career Pathway Course
- Two or more organized Co-curricular Activities



LIFE READY INDICATORS

Life readiness indicators provide a blueprint to prepare middle and high school students for success after graduation. These skills transcend postsecondary decisions regardless of college, careers or military plans. Social-emotional awareness, Interpersonal strengths, and 21st Century success skills.



INDIVIDUAL CAREER AND ACADEMIC PLAN (ICAP)

The Individual Career & Academic Plan (ICAP) is a plan of study to guide students through the coursework and activities for achieving personal career goals, post-secondary planning and providing individual pathway options. An ICAP is a multi-year process, beginning no later than the eighth grade, that intentionally guides students and families in the exploration of career, academic and multiple post-secondary opportunities to include *direct access to the workforce *military *tech school/area career center *vocational training (apprenticeship), *2 year college and *4 year college. An ICAP is a “trail map” to help students develop the awareness, knowledge, attitudes, and skills to create their own meaningful pathways to be success ready graduates.***

***As stated on the Missouri Department of Elementary and Secondary Education Website.

Individual Career and Academic Plan (ICAP) Raytown School District

Name: _____

Graduation Year: _____

| Select a Career Path Select: | Grade | Requirements/Credits | Credits | 1st Semester | 2nd Semester | Review Each Semester |
|--|-------|--|---------|--------------|--------------|---|
| Career Cluster Select: Program of Study (Pathway) _____ | 9 | English Language Arts | 1 | | | 9th Grade Review Dates: _____ Student's Signature(s): _____ Parents/Guardians' Signatures(s): _____ Advisor's Signature(s): _____ |
| | | Social Studies | 1 | | | |
| | | Mathematics | 1 | | | |
| | | Science | 1 | | | |
| | | Health | ½ | | | |
| | | P.E. | ½ | | | |
| | | Electives or Fine/Practical Art Requirements | 2 | | | |
| Additional Postsecondary Preparation A+ Program <input type="checkbox"/> Career and Technical Ed Certificate <input type="checkbox"/> Industry Recognized Credential <input type="checkbox"/> Missouri Seal of Biliteracy <input type="checkbox"/> NCAA <input type="checkbox"/> Technical Skill Attainment <input type="checkbox"/> Other: _____ <input type="checkbox"/> | 10 | English Language Arts | 1 | | | 10th Grade Review Dates: _____ Student's Signature(s): _____ Parents/Guardians' Signatures(s): _____ Advisor's Signature(s): _____ |
| | | Social Studies | 1 | | | |
| | | Mathematics | 1 | | | |
| | | Science | 1 | | | |
| | | Personal Finance* | ½ | | | |
| | | Fine/Practical Art | 1 | | | |
| | | P.E. | ½ | | | |
| Electives | 3 | | | | | |
| Postsecondary Goals: _____ _____ _____ | 11 | English Language Arts | 1 | | | 11th Grade Review Dates: _____ Student's Signature(s): _____ Parents/Guardians' Signatures(s): _____ Advisor's Signature(s): _____ |
| | | Social Studies | 1 | | | |
| | | Mathematics | 1 | | | |
| | | Science | 1 | | | |
| Postsecondary Options: Directly to workforce <input type="checkbox"/> Military <input type="checkbox"/> Tech School/Area Career Center <input type="checkbox"/> Vocational Training (Apprenticeship) <input type="checkbox"/> 2 year College <input type="checkbox"/> Transfer to 4 year college <input type="checkbox"/> 4 year College or University <input type="checkbox"/> Other: _____ <input type="checkbox"/> | 12 | English Language Arts | 1 | | | 12th Grade Review Dates: _____ Student's Signature(s): _____ Parents/Guardians' Signatures(s): _____ Advisor's Signature(s): _____ |
| | | Electives | 7 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

revised 01/2019

*the grade level at which Personal Finance may be offered is an individual school district decision

| Co-curricular Activities | Work Based Learning | Extracurricular Activities | Assessments/Academic Results | Missouri Connections | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|----------------------|-----|--|--------|-----|--|-------|-----|--|------|------|--|---------------|------|--|--------|------|--|------------------------|--|--|--------------------------|--|--|--|--|--|--|--|--|--|--|--|----------------------------|--|------------------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--------------------------|--|-------------------|--|---------------|--|------------------------|--|-----------------|--|--------------------------------|
| List with number of years involved and any positions held. Example but not limited to: CTSO, Debate, Drama, Marching Band. | Apprenticeship Career Research Cooperative Education Employment Internship Job Shadow Mentorship Resume/Job Application/ Mock Interview Service Learning Project Volunteer | List with number of years involved and any positions held. Examples but not limited to: Athletics, Clubs, Leadership, Student Council | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">ACT:</td> <td style="width:10%; text-align:center;">8th</td> <td style="width:30%;"></td> </tr> <tr> <td>ASVAB:</td> <td style="text-align:center;">9th</td> <td></td> </tr> <tr> <td>PSAT:</td> <td style="text-align:center;">9th</td> <td></td> </tr> <tr> <td>SAT:</td> <td style="text-align:center;">10th</td> <td></td> </tr> <tr> <td>ACT WorkKeys:</td> <td style="text-align:center;">11th</td> <td></td> </tr> <tr> <td>Other:</td> <td style="text-align:center;">12th</td> <td></td> </tr> <tr> <td colspan="2">FAFSA (date completed)</td> <td></td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse; text-align:center;"> <thead> <tr> <th colspan="2">Scholarship Applications</th> </tr> </thead> <tbody> <tr><td style="width:60%; height:20px;"> </td><td style="width:40%; height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse; text-align:center;"> <thead> <tr> <th colspan="2">Postsecondary Applications</th> </tr> <tr> <th style="width:70%;">Institution Name</th> <th style="width:30%;">Status</th> </tr> </thead> <tbody> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> <tr><td style="height:20px;"> </td><td style="height:20px;"> </td></tr> </tbody> </table> | ACT: | 8th | | ASVAB: | 9th | | PSAT: | 9th | | SAT: | 10th | | ACT WorkKeys: | 11th | | Other: | 12th | | FAFSA (date completed) | | | Scholarship Applications | | | | | | | | | | | | Postsecondary Applications | | Institution Name | Status | | | | | | | | | | | | | | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;"></td> <td style="width:40%;">Career Cluster Inventory</td> </tr> <tr> <td></td> <td>Interest Profiler</td> </tr> <tr> <td></td> <td>Reality Check</td> </tr> <tr> <td></td> <td>Learning Styles Survey</td> </tr> <tr> <td></td> <td>Occupation Sort</td> </tr> <tr> <td></td> <td>Workplace Employability Skills</td> </tr> </table> | | Career Cluster Inventory | | Interest Profiler | | Reality Check | | Learning Styles Survey | | Occupation Sort | | Workplace Employability Skills |
| ACT: | 8th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASVAB: | 9th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PSAT: | 9th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAT: | 10th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACT WorkKeys: | 11th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other: | 12th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FAFSA (date completed) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scholarship Applications | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Postsecondary Applications | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Institution Name | Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Career Cluster Inventory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Interest Profiler | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Reality Check | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Learning Styles Survey | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Occupation Sort | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Workplace Employability Skills | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Graduation Requirements <ul style="list-style-type: none"> • American Civics Exam • Missouri Constitution Exam • U.S. Constitution Exam • 30 min CPR/First Aid Instruction | | Language Arts - 4 credits Mathematics - 3 credits Social Studies - 3 credits Science - 3 credits Fine Art - 1 credit Practical Art - .5 credit Speech - .5 credit | Physical Education - 1 credit Health - .5 credit Personal Finance - .5 credit Electives - 8 credits Total of 25 credits + meet all graduation requirements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- American Civics is effective for graduation class of 2021.
- Constitution Exams have been in place previously and will continue.
- CPR/First Aid is required for all students beginning in year 2017-2018.
- Information: https://dese.mo.gov/sites/default/files/Graduation_Handbook.pdf

Career and Technical Education Certificate Requirements

Name: _____

Graduation Year: _____

The student must meet all the requirements as follows:

- All Graduation Requirements
- CTE Concentrator, three or more credits in sequence in a department-approved career education program defined on the students ICAP, with Grade Point Average in the CTE area of concentration - 3.0 on a 4.0 scale
- TSA/IRC
 - Name of Assessment: _____
 - Pass/Fail: _____
 - Date: _____
- Soft Skills/Business Skills Attainment (1 of 3 options)
 - CTSO active participation in junior or senior year
 - Letters of Recommendation
 - Soft Skills/Ethics Assessment
- College and Career Readiness Measure
 - ACT: _____
 - ACT WorkKeys: _____
 - ASVAB: _____
 - SAT: _____
- 50 hours of work-based learning (Registered Apprenticeships, Cooperative Career Education Programs, internships, clinical settings, job shadowing, entrepreneurial experiences, school-based enterprises, structured business/industry field trips, service learning, or other opportunities that provide real-time, authentic work experiences)
- 95% attendance or greater for grades 9-12

For more information on the CTE Certificate Criteria visit:

[CTE Certificate Criteria | Missouri Department of Elementary and Secondary Education](#)

Arts, AV Technology & Communication

CREATIVE PATH

If Interested in Exploring the Arts & Communication Pathway

There are two pathways and two approaches to this cluster: performance/artist or behind-the-scenes work to make the performance or publication occur. The occupations in this cluster allow you to use creativity, talent, and technical skills to produce a product in live performance, written compositions, or visual displays from multiple media platforms.

Career Cluster Description

Designing, producing, exhibiting, performing, writing, and publishing multimedia content, including visual and performing arts and design, journalism, and entertainment services

RELATED ELECTIVES

Communications
College Public Speaking
Competitive Drama
Debate
Advanced Competitive Drama
Advanced Debate
College Debate
Theatre 1
Acting
Theatrical Design
Repertory Theatre
Introduction to Art
Ceramics 1
Ceramics 2
Ceramics Studio
Photography Studio
Drawing/Painting 1
Drawing/Painting 2
Drawing/Painting Studio
Photography 2
Graphic Design 1
Graphic Design 2
Graphic Design Studio
Photography 1
Treble Choir
Tenor Bass Choir
Concert Choir
Chamber Choir
Campus Band
Concert Band
Symphonic Band
Concert Orchestra
Symphony Orchestra
Jazz Improvisation
AP Music Theory
Lifetime Music

Programs of Study

Visual Arts (2D and 3D)
Graphic Design
Audio/Visual Technology
Journalism
Acting - Musical Theatre
Technical Theatre
Vocal Music - Orchestra - Band

Level of education and earnings in Missouri:

- ★ On-the-job training: \$23,800 - \$45,900
- ★ Work experience (Certificate): \$38,540 - 60,970
- ★ Associate Degree: \$33,340 - \$53,640
- ★ Bachelor's Degree: \$27,780 - \$65,170
- ★ Higher education: \$32,550 - \$102,320

Qualities that Describe Me:

- Creative and Imaginative
- Good Communicator
Excellent Vocabulary
- Curious about new technology
- Relates well to the feelings and thoughts of others

Career Related Activities

• Art Club • District Art Shows • Capstone Portfolio • Theatre Scene Design • Float Design • School Promotion Materials • National Art Honor Society Photography • DECA-Advertising • Graphic Design • Web Page Design • Coding Club • Yearbook • Newspaper • Photography • School Twitter/Instagram/YouTube • Creative Writing • Drama Club/ Play Productions Drama Club • Step Team • Band • Orchestra • Choir • Missouri State Thespian Conference • Thespian Club Theatre Set Building • Theatre Scene Design • Theatre Stage Management • Theatre Lighting or Sound Design • Costume Design Band • Orchestra • Choir • Missouri State Thespian Conference • Solo/ Ensemble Festival • Choir Performances

RELATED ELECTIVES

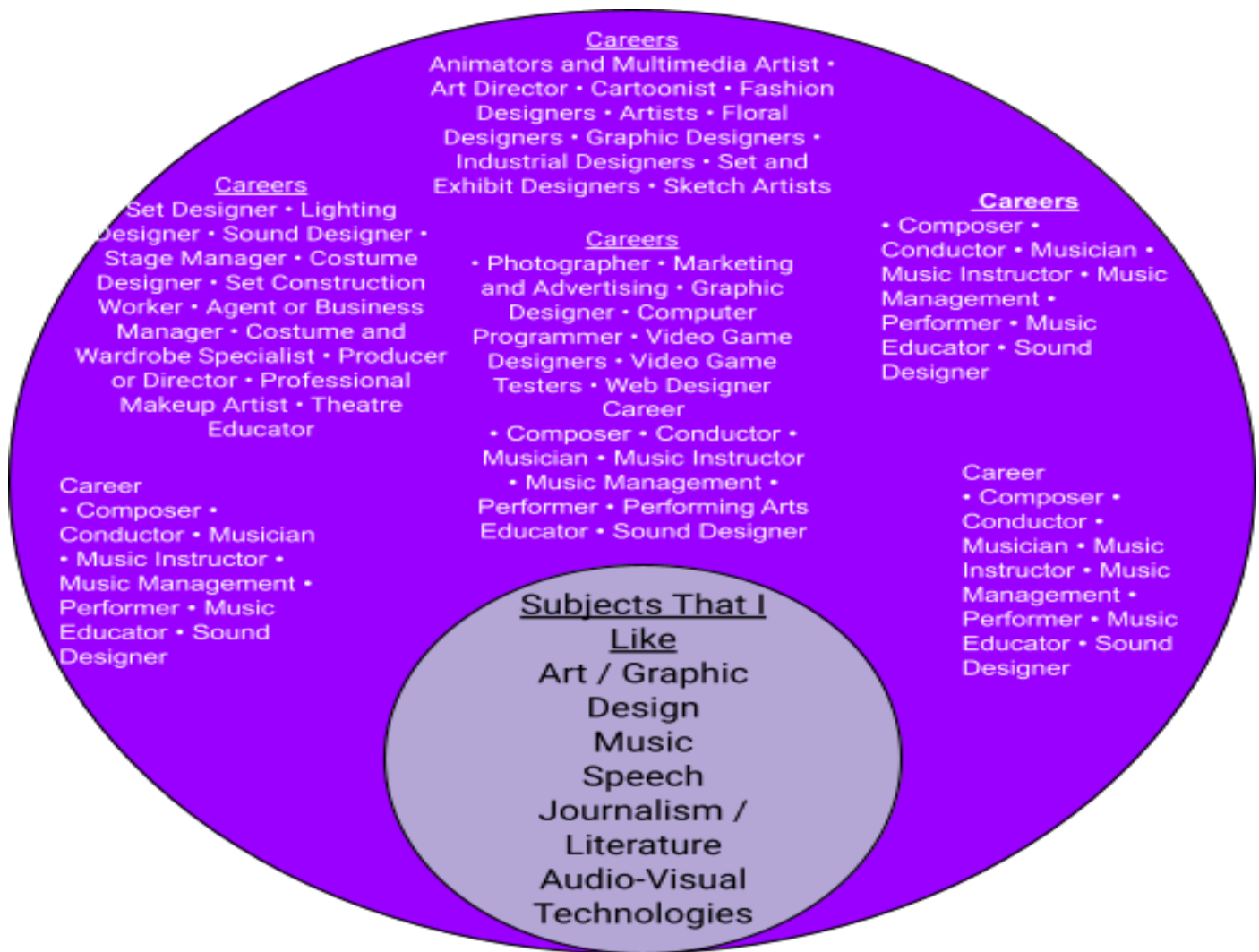
Spanish I
Spanish II
Spanish III (Dual Credit)
Spanish IV (Dual Credit)
Spanish V (Dual Credit)
Spanish for Heritage Speakers (HS9600)
French I
French II
French III (Dual Credit)
French IV (Dual Credit)
Journalism/Newspaper I
Journalism/Newspaper II
Electronic Journalism I
Electronic Journalism II
School Publications I
School Publications II
Fashion Design I
Fashion Design II
Fashion Design III
Desktop Publishing - HS6225
Computer Programming - HS3450

Activities I like to do:

- Use my imagination to communicate new information to others
- Perform in front of others
- Read & Write
- Play a musical instrument
- Perform creative artistic activities
- Use video and recording technology
- Design brochures and posters

College Majors (examples)

• Art History • Art Preservation • Studio Art • Fine Arts • Sculpture Animation, Video Graphics, and Special Effects • Computer Graphics • Computer Programming • Computer Science • Marketing • Advertising • Game and Interactive Media Design • Project Management • Quality Control Technology Animation, Video Graphics, and Special Effects • Computer Graphics • Computer Programming • Film • Game and Interactive Media Design • Project Management • Quality Control Technology • Playwriting or Screenwriting • Photography • Journalism • Small Press Publishing • Creative Writing • Broadcasting • Film • Art Administration • Broadcasting Journalism • Business Management and Administration • Communication and Speech Studies • Dance • Directing Theater Production • Dramatic Arts • Fashion Design • Film Studies • Marketing • Public Relations • Music Composition and Theory • Music • Theatre Education Conducting • Instrumental Performance • Jazz • Music • Music Composition • Music Education • Music Therapy • Music Theory



Workplace Learning Experiences

examples

- Internship at local art museum • Local art apprenticeship • RQS School District Communications Dept. Internship • Marketing Internship • Advertising Internship • Internship at local design firm • Internship at Website developer • Internship with local newspaper • Internship with local TV station • Internship with local radio station • Internet Blogs • Theatre company internships • Musical production/participation • Music related internships • Choir performances • Solo performances • Musical Theatre participation • Music related internships • Orchestra performances • Solo performances • Musical Orchestra Pit

If Interested in Exploring the Business, Management, Technology Pathway

This pathway has three directions a student can decide upon: Finance, Marketing, and Technology. The career options encompass planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Building linkages in IT occupations allows entry-level technical and professional careers related to the design, development support, and management of hardware, software, multimedia, and system integration services. All three of the Business, Management, and Technology career clusters are found in every sector of the economy.

Career Cluster Description

Finance

Securities and Investments, Business Finance, Banking Services, Insurance, Accounting

Marketing

Marketing Management, Marketing Communications Marketing Research, Professional Sales, Merchandising

Information Technology

Network Systems, Information and Support Services, Web and Digital Communications, Programming and Software Development

Business, Management & Technology

BUSINESS PATH

RELATED ELECTIVES

- Applied Accounting 1 - HS6180W
- Applied Accounting 2 - HS6190
- Business Fundamentals - HS6035
- Business Management - HS6065
- PLTW Computer Science Principles HS6870
- Economics - HS6135
- Expository & Literature
- Electronic Journalism I
- Electronic Journalism II
- Business Innovation & Creation
- Travel & Tourism - HS6635
- Entrepreneurship - HS6265
- Marketing - HS6370
- Advanced Marketing - HS6380
- Marketing Internship - HS6460
- Personal Finance - HS6085
- Psychology
- Sociology
- Global Conflicts
- World Religions
- Abnormal Psychology
- Communications
- College Public Speaking
- DevSecOps

Programs of Study

- Business Management/ Administration
- Finance
- Information Technology
- Marketing, Sales and Service

Level of education and earnings in Missouri:

- ★ On-the-job training: \$23,800 - \$45,900
- ★ Work experience (Certificate): \$38,540 - 60,970
- ★ Associate Degree: \$33,340 - \$53,640
- ★ Bachelor's Degree: \$27,780 - \$65,170
- ★ Higher education: \$32,550 - \$102,320

Qualities that Describe Me:

- Perform routine organized activities but can be flexible
- Work with numbers and detailed information
- Be the leader
- Make business Contact with people
- Work with computer programs
- Create reports and communicate ideas
- Plan my work and follow instructions without close supervision

Career Related Activities

- Future Business Leaders of America (FBLA)
- Distributive Education Clubs of America (DECA)
- Technology Student Association (TSA)

RELATED ELECTIVES

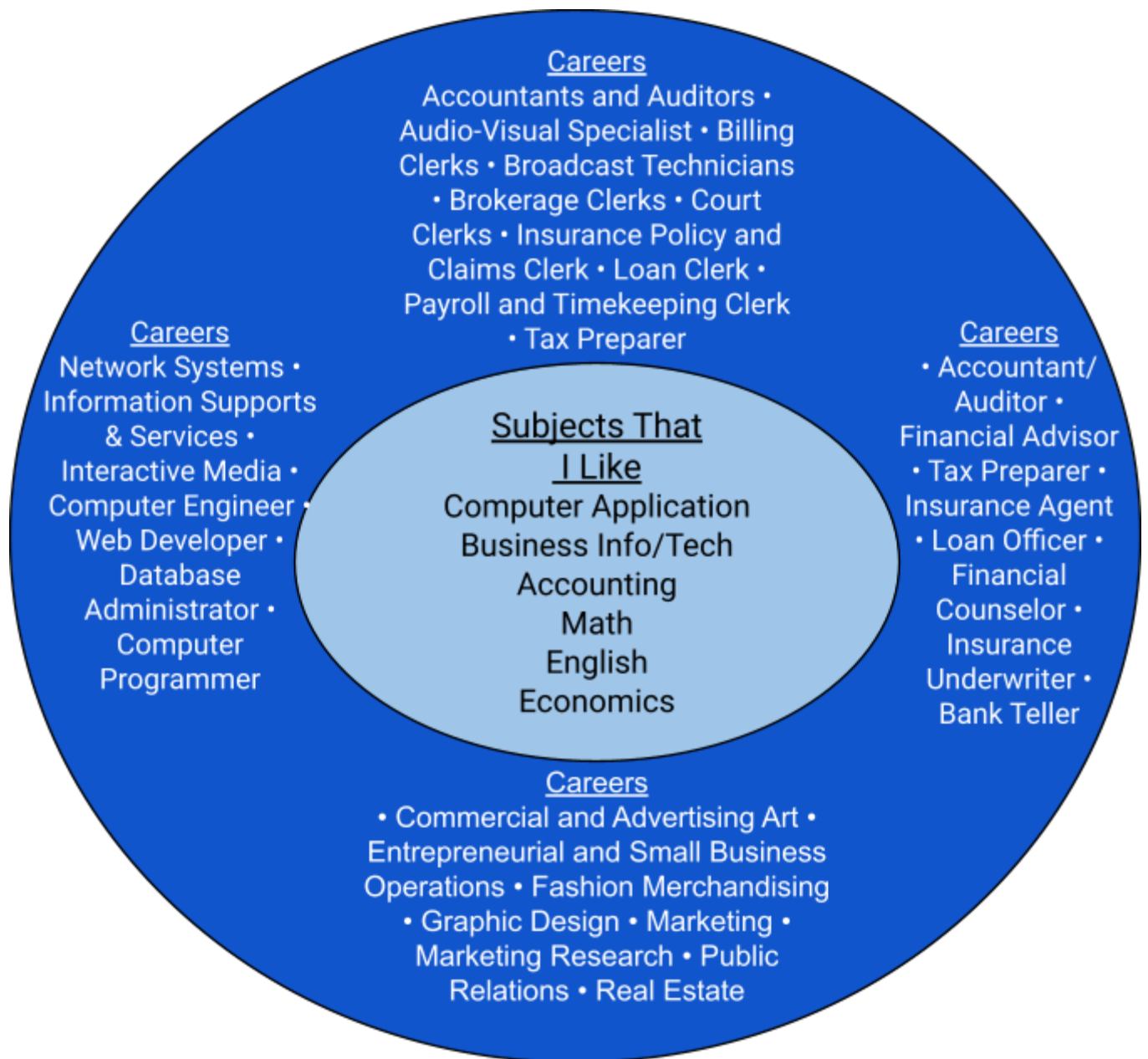
Advanced Networking and Cyber Concepts
Advanced Networking and Cyber Concepts
Cyber Security
Cyber Operations
Business Finance and Fintech
Software Development
Computer Applications - HS6205
Foundations fo Web Design - HS3480
Desktop Publishing - HS6225
Computer Programming - HS3450

Activities I Like to Do:

- Organized
- Practical and logical
- Patient
- Tactful
- Responsible

College Majors (examples)

- Accounting Technology and Bookkeeping • Computer Science • Data Entry and Processing • Information Technology • Office Support • Accounting • Finance • Business, Managerial Economics • Insurance and Risk Management • Actuarial Science • International Business • Computer Information Systems • Computer Programming • Computer Networking • Interactive Digital Media • Management Information Systems • Cyber-Security • Commercial and Advertising Art • Entrepreneurial and Small Business Operations • Fashion Merchandising • Graphic Design • Marketing • Marketing Research • Public Relations • Real Estate



Workplace Learning Experience:

examples

- District Internships • Assist in school front offices • Assist in school libraries • Assist in various other departments within the district as approved by Board of Education • Receptionist
- Administrative • Assistant District Accounting Internships • Accounting Firm • Insurance Office • Tax Preparation Office • Title Company
- RQS Technology Department Internship • Web Development Company (examples) • Hazelwood School District Technology Department Internship • Web Development Company(examples) • Marketing Firm • Advertising Agency • Newspaper/Magazine Company • District Internships • Realtor Group

Health Services

Health Path

If Interested in Exploring the Health Services Pathway

Health Science cluster promote health and wellness or diagnose and treat injuries and disease. You could work directly with people. Or you could work in laboratories to get information used in research or diagnosis. Careers in this pathway are responsible for planning, managing, and providing therapeutic services, diagnostic services health informatics, support services and biotechnology research and development. Health service employees go to work at a variety of different sites. Some work in hospitals, offices, or laboratories. Others work on cruise ships, at sports arenas, or within communities.

Career Cluster Description

Biotechnology Research & Development
Therapeutic Services
Diagnostic Services
Health Services
Support Services

RELATED ELECTIVES

Algebra 2 - HS3220
Enriched Algebra 2 - HS3230
Anatomy and Physiology - HS4240
DC Anatomy and Physiology - HS4240W
DC AP Biology - HS4220W
Chemistry HS4410
DC Chemistry HS4430W
Enriched Chemistry
Microbiology - HS4235
Genetics - HS4225
Communications-HS1335
College Public Speaking-HS1345W
Weights
Aerobics
Foundations of Nursing
Intro to PT/Sports Med
EMT
Behavioral Health
Child Development I and II
Relationships
Abnormal Psychology
Psychology
Sociology
Professional Nursing
Allied Health Academy
Medical
Interventions/Biomedical
Innovations

Programs of Study

- Health Science

Level of education and earnings in Missouri:

- ★ On the job training: \$21,580 - \$35,530
- ★ Work experience: \$29,250 - \$45,160
- ★ Associate Degree: \$21,710 - \$74,350
- ★ Bachelor's Degree: \$39,660 - \$160,270
- ★ Higher education: \$52,910 - \$196,920

Activities I Like to Do:

- Work under pressure
- Help sick people and animals
- Make decisions based on logic and information
- Participate in health and science classes
- Respond quickly and calmly in emergencies
- Work as a team member
- Follow guidelines precisely and meet strict standards of accuracy

Workplace Learning Experiences

examples

- Health Occupation Clinicals
- Internships with local hospitals

RELATED ELECTIVES

College Algebra HS3340W
Pre-Calculus HS3310W
Calculus HS3430w
Expository & Literature
Composition

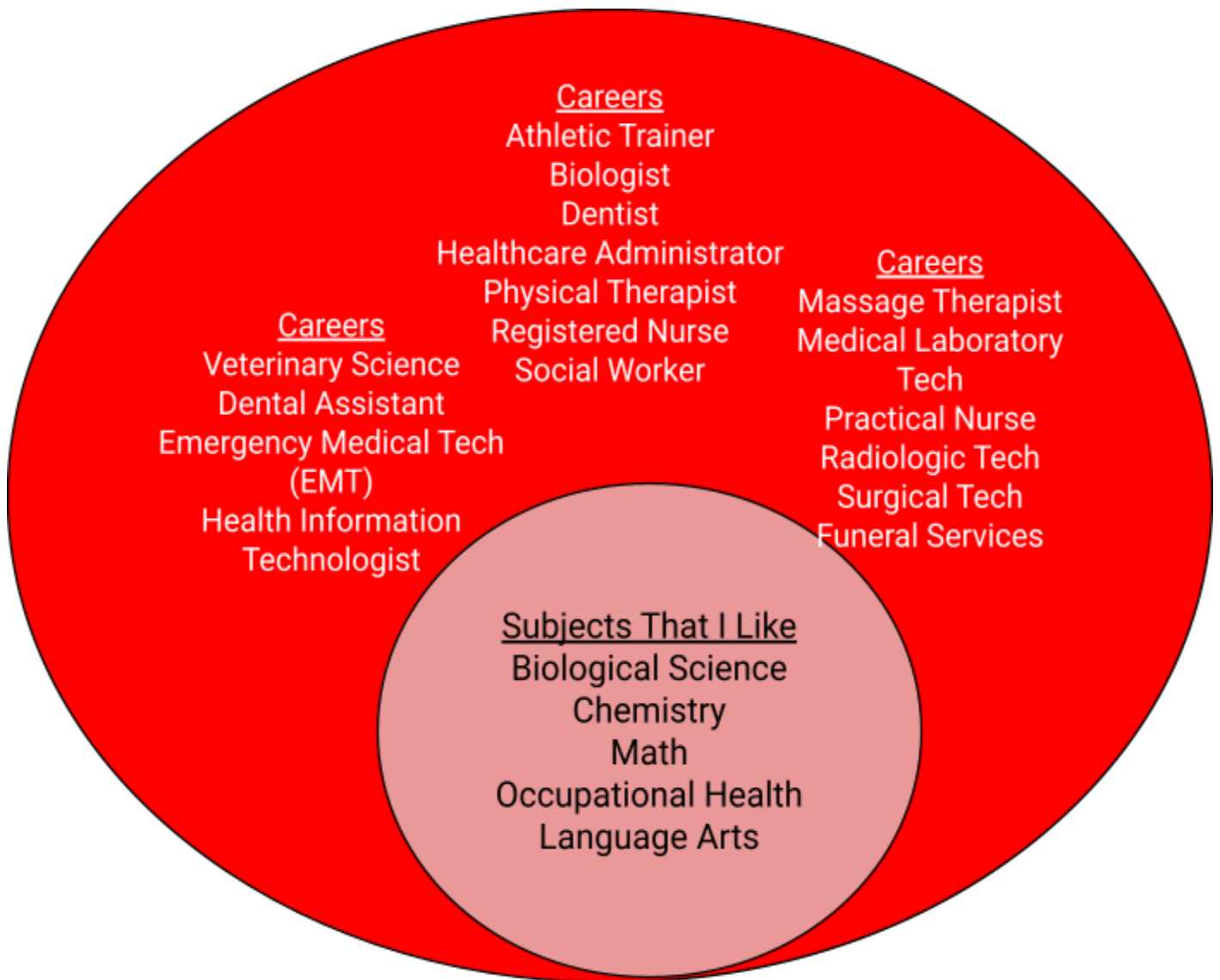
Qualities that Describe Me:

- Compassionate and caring
- Good at following directions
- Conscientious and careful
- Patient
- Good listener

College Majors

(examples)

Health Records Administration •
Medical Coding •
Biological Sciences •
Chemistry • Veterinary Sciences • Pharmacy •
Nursing • Health Sciences • Public Health • Kinesiology



Career Related Activities

- Health Occupation Student Association (HOSA)
- STEAM Activities/Events
- Medical Explorers Chapter 10th-12th (through John Hopkins All Children's Hospital)
- Biology Club
- Sports Medicine Club

Human Services

Helping Path

If Interested in Exploring the Health Services Pathway

This cluster causes individuals to work with people and families to meet their personal needs. There are 5 clusters in the Human Services Path. *Education & Training* - These careers in expect planning, managing and providing educational training services, and related learning support services.

Government and Public Administration - focuses on execution of governmental functions to include governance, national security, foreign service, planning, revenue and taxation, regulation, and management and administration at the local, state and federal levels. *Hospitality and and Tourism* - encompasses the management, marketing, and operations of restaurants and other food services, lodging attractions, recreation events and travel related services. *Human Services* - Prepares individuals for employment in career pathways that relate to families and human needs. *Law, Public Safety & Security* -also includes planning managing, and providing, legal, public safety protective services and homeland security, including professional and technical support services.

Career Cluster Description

Education & Training

Government & Public Administration

Hospitality & Tourism

Human Services

Law, Public Safety, Corrections & Security

RELATED ELECTIVES

Debate
Competitive Drama
Advanced Competitive Drama
Advanced Debate
College Debate
Communications
College Public Speaking
Theatre 1
Theatre II
Acting
Theatrical Design
Repertory Theatre
Expository & Literature
Composition
French I-IV & Spanish
I-V-HS9510 & HS9610
Child Development I
Child Development II
Relationships: Through the
Lifespan
Food Prep I
Food Prep II
World Foods
French III (Dual Credit) (HS9530)
French IV (Dual Credit) (HS9540)
Spanish III (Dual Credit)
(HS9630)
Spanish IV (Dual Credit)
(HS9640)
Spanish V (Dual Credit) (HS9670)
Spanish for Heritage Speakers
(HS9600)

Programs of Study

- Health Science

Level of education and earnings in Missouri:

- ★ **On the job training:**
\$19,540 - \$37,330
- ★ **Work experience:**
\$22,150 - \$39,860
- ★ **Associate Degree:**
\$40,330 - \$58,770
- ★ **Bachelor's Degree:**
\$34,200 - \$64,720
- ★ **Higher education:**
\$82,760 - 140,160

Activities I Like to Do:

- Care about people their needs and their problems
- Participate in community services and /or volunteering
- Listen to other people's viewpoints
- Help others be at their best
- Work with people from preschool to old age
- Think of new ways to do things
- Make friends with different kinds of people

RELATED ELECTIVES

Law Enforcement & Police
 Science
 Education Exploration
 Cosmetology
 Teacher Education Academy
 International Studies Academy
 College World History
 College American Government
 College American History
 Psychology
 Sociology
 Global Conflicts
 World Religions
 Ancient Civilizations
 African American History
 Abnormal Psychology
 Hospitality, Tourism and
 Recreations

Qualities that Describe Me:

- Good communication / good listener
- Caring
- Non-materialistic
- Intuitive and logical
- Non-judgemental

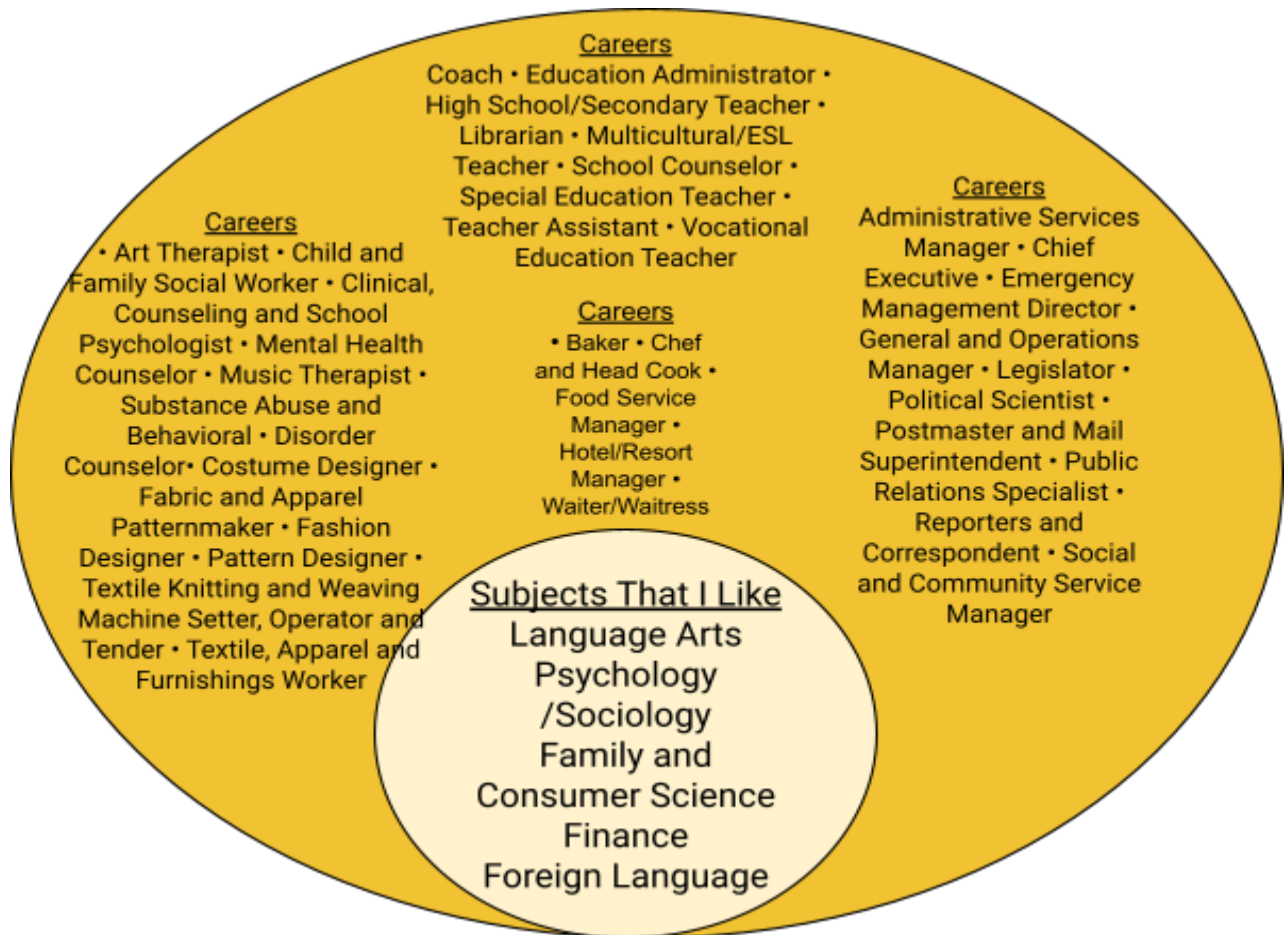
College Majors

(examples)

• Social Work • Psychology • Sociology • Mental and Social Services • Community Health Services • Family Counseling • Substance Abuse/ Addiction Counseling • Library Science • Multicultural/ESL Education • School Administration • School Counseling • Early Childhood Education • Primary Education • Secondary Education • Special Education • Sport and Fitness Management • Teaching Content Area • Library Science • Multicultural/ESL Education • School Administration • School Counseling • Early Childhood Education • Primary Education • Secondary Education • Baking and Pastry Arts/Baker/Pastry Chef • Cooking and Related Culinary Arts, General • Culinary Arts/Chef Training • Hotel Administration/Management • Restaurant/Food Services Management • Apparel Technology • Textile Studies • Fashion Design • Fashion Studies • Fashion Merchandising

Workplace Learning Experiences examples

• Internships with local hospitals • District internships • Work in school guidance department • Work with school social workers • A+ Tutoring • Community Daycares • RQS Early Childhood Education Centers • Exploring Teaching Classroom Experience In RQS Elementary Schools • Exploring Teaching Classroom Experiences in RQS Middle Schools • Local city offices • District internships • Work in district School Safety department • Local newspaper Restaurant Casino Food and Beverage Department • Local fast food and fine dining restaurants • District Internships to Work for district Child Nutrition Services Department • Local catering companies • Local retail stores • Local apparel printing/embroidery companies



Career Related Activities

District Career Days • District Career Nights • Family Career and Community Leaders of America (FCCLA) • Peer Mentor • Service Learning • Student Council • Student Tutor Service Learning • Student Athletic Trainer • Student Council • Student Tutor • Family Career and Community Leaders of America (FCCLA) • Leadership Council • Speech Team • Student Council • Speech Team Peer Mentor • Service Learning • Student Council • Student Tutor

Industrial & Engineering Technology

Building & Fixing Path

If Interested in Exploring the Industrial & Engineering Technology Pathway

If you choose to work in this pathway, there are four directions it can lead you, Architecture & Construction - Careers in designing, planning, managing, building and maintaining the built environment. Manufacturing involves planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control maintenance, and manufacturing/process engineering. Sci., Tech, & Math is grounded in scientific research and professional and technical services including laboratory and testing and development services. Finally, Transpo., Distribution & Logistics is centered in the movement of people, materials and goods by road, pipeline, air, rail and water.

Career Cluster Description

Architecture & Construction

Manufacturing

Science, Technology, Engineering & Mathematics

Transportation, Distribution & Logistics

RELATED ELECTIVES

Functional Woodworking
HS6810
Industrial Woodworking 1
HS6820
Industrial Woodworking 2
HS6830
PLTW IED HS6790
PLTW POE HS6780
PLTW CSP HS6870
PLTW DE HS6800
Expository & Literature
Composition
Physics - HS 4510W
DC College Physics 210 -
HS4520W
Computer Programming -
HS3450
Theatrical Design
Enriched Geometry
Auto Collision and Repair
Technology 1
Auto Collision and Repair
Technology 2
Automotive Technology 1
and 2

Programs of Study

- Engineering and Technology
 - Architecture and Construction
 - Computer Science
 - Construction and Construction Trades

Level of education and earnings in Missouri:

- ★ Work experience (Certificate): \$42,510 - \$46,040
- ★ Associate Degree: \$33,940 - \$86,510
- ★ Bachelor's Degree: \$33,940 - \$102,220
- ★ Higher Education: \$30,480 - \$114,290

Activities I Like to Do:

- Care about people their needs and their problems
- Participate in community services and /or volunteering
- Listen to other people's viewpoints
- Help others be at their best
- Work with people from preschool to old age
- Think of new ways to do things
- Make friends with different kinds of people

RELATED ELECTIVES

HVAC / Industrial Maintenance 1 and 2
 Construction Technology 1 and 2
 Diesel, industrial and Agricultural Mechanics 1 and 2
 Digital Electronics
 Computer Integrated Manufacturing
 Aerospace Engineering
 Engineering Design and Development
 Internship in STEM
 Careers
 MIC

Qualities that Describe Me:

- Detailed-oriented
- Inquisitive
- Objective
- Methodical
- Mechanically Inclined

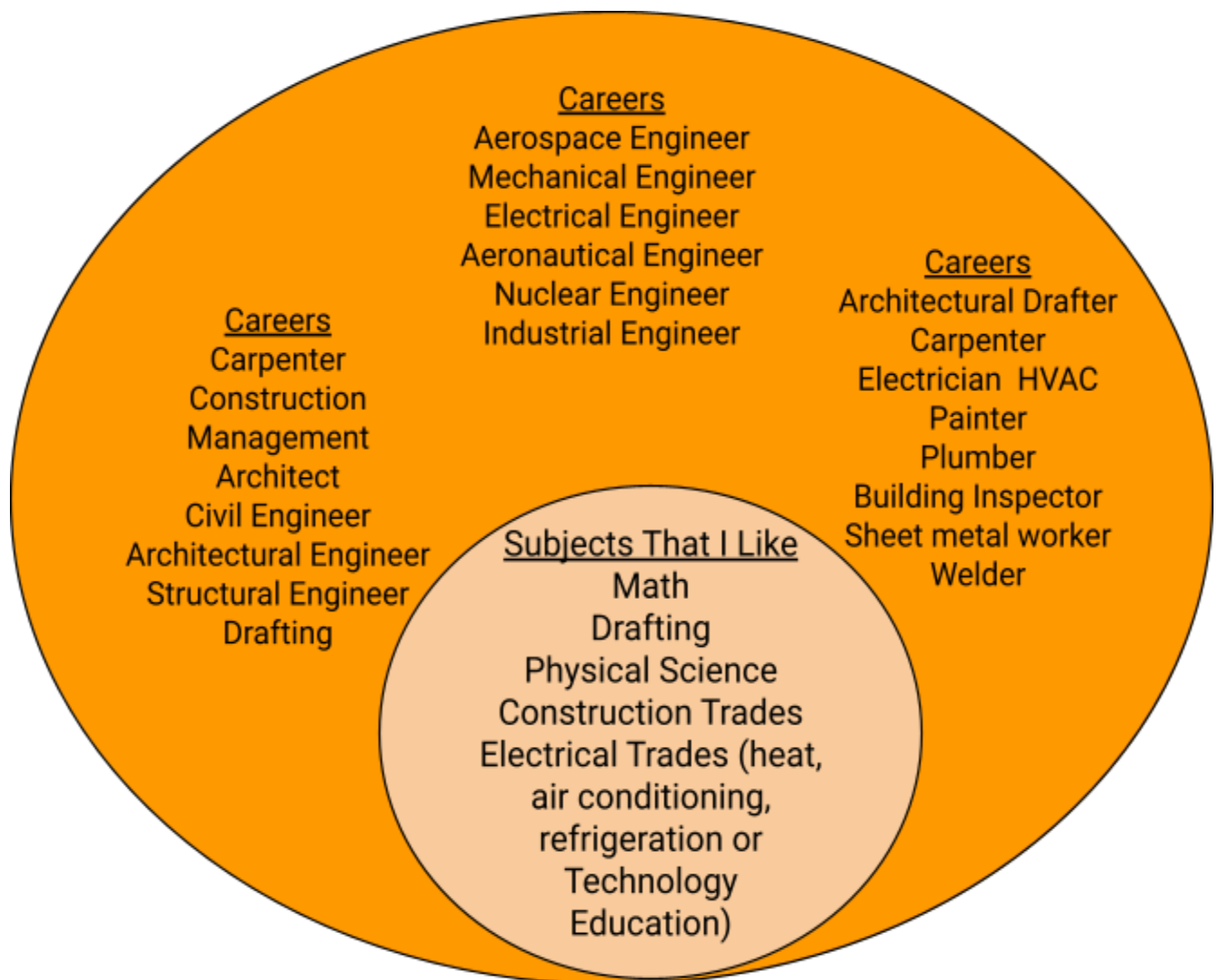
Workplace Learning Experiences examples

• Local engineering companies • Local construction companies • District internships • Work in district carpenter's shop. • Work for district maintenance department. • Local technology companies • RQS Technology Department District internships • Work in district carpenter's shop. • Work for district maintenance department. • Various related unions • Contact local unions to determine entrance requirements.

College Majors

(examples)

- Aerospace Engineering • Mechanical Engineering • Electrical Engineering • Aeronautical Engineering • Nuclear Engineering • Industrial Engineering • Civil Engineering • Construction Management • Architecture • Drafting • Engineering Drafting • Computer Science • Information Technology • Hardware Engineering • Software Engineering • Construction Management • Architectural Drafting



Career Related Activities

Student Council • Missouri Girls State • Missouri Boys State • Girl Scouts • Peer Mentoring • Student Tutor • Teacher Aid • Speech and Debate Team • Family Career and Community Leaders of America (FCCLA)

Natural Resources & Agriculture

Nature Path

If Interested in Exploring the Health Services Pathway

The production, processing, marketing, distribution, financing and development of agricultural commodities and resources including food, fiber, wood products, natural resources horticulture and other plant and animal products/ resources

Career Cluster Description

Agriculture
Food
Natural Resources

RELATED ELECTIVES

Geology - HS4025
Astronomy Space Science - HS4535
Microbiology - HS4235
Chemistry HS4410
DC Chemistry HS4430W
Animal Health Science
Turf Management & Horticulture
Environmental Studies
Advanced Math Topics
Global Conflicts
Communications

Programs of Study

-Agribusiness Systems
Animal Systems
Food Products and Processing Systems
Natural Resources
Environmental Service Systems
Power, Structural and Technical Systems
Plant Systems

Level of education and earnings in Missouri:

- ★ Less than HS \$28,600 - \$47,700
- ★ High School(Certificate): \$38,540 - 47,880
- ★ Bachelor's Degree: \$30,350 - \$96,820
- ★ Bachelor's Degree: \$27,780 - \$65,170
- ★ Higher education: \$66,750- \$137,900

Activities I Like to Do:

- Care for Animals
- Grow plants
- Recycling
- Environment/ Nature conservation efforts
- Enjoy outdoors
- Hands on project with nature and animals

Qualities that Describe Me:

- Detailed-oriented
- Inquisitive
- Objective
- Methodical
- Mechanically Inclined
- Cautious Risk Taker
- Flexible & Adaptable

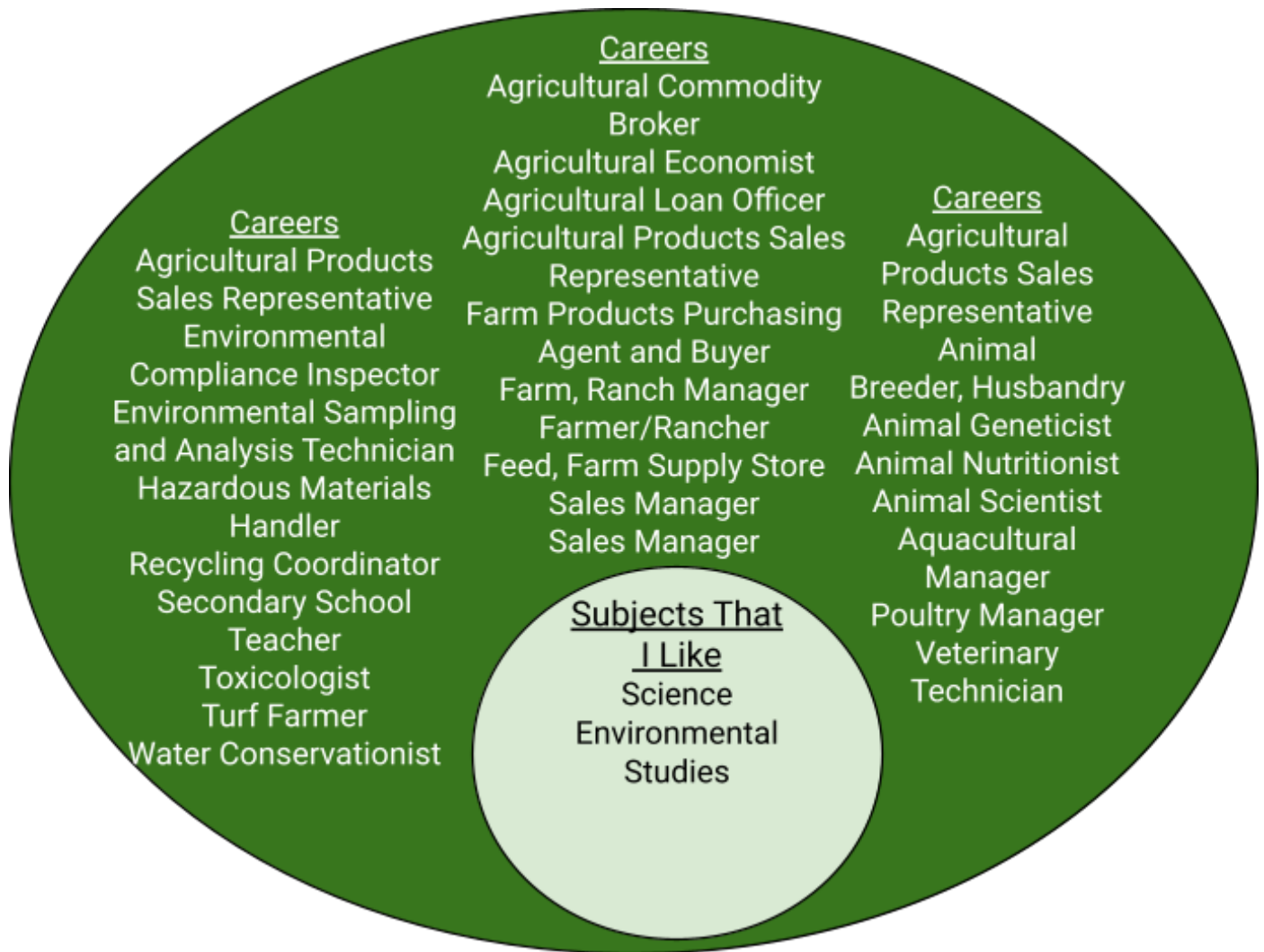
Workplace Learning Experiences examples

- Local florist shops • Local landscaping companies • RQS grounds crew • Local Community Garden Projects.
- Kansas City Zoo Internships. • Local veterinarians • Dairy Farmers internships (local) • Missouri Department of Agriculture Kansas City office • Various related unions • Contact local unions to determine entrance requirements.

College Majors

(examples)

- Animal Science • Agricultural Engineering • Agribusiness • Horticulture • Food Science • Agriculture Communication • Plant Science • Forestry • Animal Husbandry • Agricultural Business • Agriculture & Environmental Technology • Entomology • Marketing Turf Grass • Agricultural economist • Nutrition • Bacteriology • Farm and Ranch Management • Poultry Science • Environmental Science • Agricultural Production



Career Related Activities

Future Farmers of America • Four H Club • Boy Scouts • Girl Scouts • Environmental Awareness Club • Missouri Farm Bureau Youth Leadership

CAREER PLANNING COMMON LANGUAGE

Individual Student Planning Vocabulary

Guidance and Counseling Missouri Department of Elementary and Secondary Education 2015

- **Career Awareness:** Gaining knowledge of career paths and job opportunities and the skills and qualifications necessary to be successful.
- **Career Exploration:** Process of learning about yourself and the world of work and developing effective strategies to realize your goals.
- **Career Paths and Career Clusters:** Six career paths branch into 16 career clusters to provide a progressive framework to organize the world of work and career information. The framework provides the structure to assist students in understanding the world of work, and to organize course and co-curricular offerings in the school.
- **Career Pathways:** The 16 career clusters diverge into 78 career pathways.
- **Career Planning:** On-going processes that can help you manage your learning and career development.
- **School Counseling Grade Level Expectations (GLEs):** The systematic, sequential and developmentally appropriate set of knowledge, skill and understanding for the K-12 school counseling curriculum.
- **Individual Student Planning:** The process of on-going educational and career-planning services that helps all students develop personal plans of study organized around programs of study and their personal, career, and educational goals.
- **Life Career Development:** Self-development over the life span through the integration of roles, settings, and events of a person's life.
- **Market Value Asset(MVA):** As industry valued and recognized skills acquired in high school that create a more seamless transition from school to postsecondary education and/or the workplace. Students who leave high school with a diploma and market value assets are more likely to enroll in postsecondary education/training and successfully navigate the journey from school to employment
- **Missouri Career Education:** A collection of resources provided on the Missouri Department of Elementary and Secondary Education website. <http://dese.mo.gov/college-career-readiness>
- **Missouri Connections:** A free web-based career and educational planning resource to help Missouri citizens determine their career interests, explore occupations, establish education plans, develop job search strategies, and create résumés.
- **Individual Career and Academic Plan (ICAP):** A student's scope and sequence of coursework and related activities based upon their chosen Career Path or Career Cluster and their educational goals. Initiated in the eighth grade, it is designed to insure a successful post-secondary transition. The key component of the Individual Student Planning Process.

QUESTIONS AND ANSWERS ABOUT CAREER CLUSTERS

What steps are involved in choosing a career?

- Identify your interests, abilities, and talents.
- Consider the possible career in each cluster in relationship to those interests, abilities and talents.
- Decide which career seems to fit you the best.
- Select courses that are related to the career you've chosen

How can parents and other interested adults help?

- Help students identify interests, abilities, and talents by discussing strengths with them.
- Share information about careers and work experiences.
- Arrange for students to talk with people about careers that are of interest.

What if a student changes his or her mind?

- A career choice is not a permanent commitment.
- As students have new experiences, they will learn new things about themselves and may change career paths.
- If a student decides on a new career path, he or she can discuss it with a counselor and adjust future course selections accordingly.