

Odessa High School



Course Enrollment Guide

2011-2012 

Odessa High School

2011/2012 Course Enrollment Guide

Table of Contents

OHS Graduation Requirements	2
Post-High School Admissions Requirements	3
A+ Information	4
Career Cluster Information	6
Educational Career Plans	12
OHS Course Descriptions	28
Lex-La-Ray Course Descriptions	43
Summit Tech Course Descriptions	44
Notes	46
Four-Year Plan of Study	47
Sports, Clubs, and Organizations	48

Odessa High School Contact Information:

713 South Third St.
 Odessa, MO 64076
www.odessa.k12.mo.us

Phone: 816.633.5533
 Fax: 816.633.7506
 Attendance Phone: 816.633.8367

Notice

The Odessa R-VII School District does not discriminate on the basis of race, color, religion, sex, national origin, age or handicap in admission or access to treatment of employment in its programs and activities. Specific complaints of alleged discrimination should be referred to the Superintendent’s Office, 701 South Third St., Odessa, MO 64076, Phone: 816.633.5316.

Any person having inquiries concerning Odessa R-VII School District compliance with the regulations implementing Title VI, Title IX, and Section 504 is directed to contact the following persons who have been designated to coordinate efforts to comply with these regulations: Title VI and Title IX – Peter Rorvig, Assistant Superintendent, 701 South Third St., Odessa, MO 64076, Phone: 816.633.5316; Section 504 – Sandy Smith, Director of Special Education, 713 South Third St., Odessa, MO 64076, Phone: 816.633.1599.

The Odessa R-VII School District prohibits sexual harassment. Sexual harassment is a form of discrimination prohibited by Title VII and the Civil Rights Act of 1964. Sexual harassment is any unwanted attention of a sexual nature. Incidents of sexual harassment should first be reported to building administrators.

Cover art designed by Garrett Fieth, Class of 2012

ODESSA HIGH SCHOOL GRADUATION REQUIREMENTS

Core Area	Credits	Courses
Language Arts	4	CP Language Arts I, Language Explorations-Grade 9 CP Language Arts II/Honors II-Grade 10 CP Language Arts III/Honors III-Grade 11 CP/DC Language Arts IV/AP English-Grade 12
Mathematics	4	Math Lab, Algebra A, Algebra I, Geometry, Algebra B, Algebra II, Transitional Math, Math Analysis, Algebra III, DC College Algebra, DC Calculus
Science	3	Physics & Earth Science-Grade 9 Chemistry-Grade 10 Biology-Grade 11
Social Studies	3	American History-Grade 9 World History-Grade 10 American Government-Grade 11
Public Speaking	½	Public Speaking/DC Adv. Public Speaking-Grade 11 Speech and Debate-Grades 9-12
Personal Finance	½	Personal Finance-Grade 11
Physical Education	1	PE-Grade 9 (1/2 credit) PE, Weights, Color Guard-Grades 10-12
Health	½	Health-Grade 9
Fine Arts	1	Band, Choir/Music, Art, Drama
Practical Arts	1	Agriculture, Business, Computers, Marketing, Family & Consumer Sciences, Industrial Technology, or courses taken at Lex-La-Ray or Summit Technical Centers
Electives	7 ½	Additional courses taken in all of the above areas
Total Credits	26	

Lex La-Ray Students: Please note 1 credit of Language Arts and 1 credit of Math will be awarded upon completion of any two-year program;

College Preparatory Studies Certificates may be awarded to those students that have met the graduation requirements; maintained a GPA of 3.0 or above; and scored higher than the national composite average on the ACT or SAT.

POST-HIGH SCHOOL EDUCATION ADMISSIONS REQUIREMENTS

Curricular Areas	Entering Freshman University of Missouri System Credit Requirements	Missouri Public 4 year Colleges (UCM, MSU) Credit Requirements	Community & Technical Colleges (Metropolitan Community College)	Military Careers	Apprenticeships
Language Arts	4 credits	4 credits	High School Diploma, GED or a Certificate of Completion of Home School Program	High School Diploma, GED or a Certificate of Completion of Home School Program	High School Diploma, or GED and must be at least 18 years of age
Social Studies	3 credits ½ Government	3 credits ½ Government			
Mathematics	4 credits Alg I & Higher	3 credits Alg I & Higher			
Science	3 credits No General Science 1 must be a lab class	2 credits No General Science 1 must be a lab class			
Fine Arts	1 credit	1 credit			
Foreign Language/ Additional Electives	2 credits 2 years of the same foreign language	3 credits Selected from foreign language &/or core courses			
Totals	17 Credits Plus appropriate class rank and ACT score	16 Credits Plus appropriate class rank and ACT score			

The above chart is for informational purposes only. Please check with each college or university for their exact admission requirements, including ACT scores and GPA requirements.

Odessa R-7 School District

A+ Schools Program

Coordinator: Ashley Ray

What Is A+?

In May 1993, the Missouri General Assembly passed Senate Bill 380, "Outstanding Schools Act." The A+ Schools Program is one of the educational opportunities brought about by this act.

A+ is a comprehensive program developed to help create:

- + Independent learners
- + Effective communicators
- + Problem solvers & decision makers
- + Responsible persons
- + Contributing citizens

Odessa High School, through the Missouri Department of Elementary & Secondary Education, is recognized as an A+ school. Beginning with the class of 2001, OHS students may be eligible to qualify for REIMBURSABLE COLLEGE TUITION at any Missouri public community college or public, post secondary vocational or technical school.

Who Is Eligible?

To be eligible for financial incentives of the A+ Schools Program, OHS and the student must be designated as an A+ Program/Student. To receive designation, this program must implement a rigorous and extensive high school curriculum designed for all students. The individual student must do the following:

- + Complete an **A+** Schools agreement form prior to graduation.
- + Attend a designated **A+** school for three (3) consecutive years prior to graduation.
- + Graduate from high school with an overall grade point average (non-weighted) of 2.5 on a 4.0 scale
- + Have at least 95 percent attendance record overall for grades 9-12.
- + Perform 50 hrs. of unpaid tutoring.
- + Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol.
- + Upon graduation, enroll and attend full-time, at a Missouri public community college or technical school, maintaining a GPA of 2.5.
- + Attempt to secure all available federal financial assistance funds that do not require repayment.
- + Register with the United States Military Selective Service (if applicable).

What Are The Benefits?

Reimbursable college tuition and general fees, subject to legislative appropriation, to any of Missouri's public community colleges or public, post secondary vocational or technical schools.

Incentives will be made available after the student has made a good faith effort to first secure all available federal post-secondary student financial assistance funds that do not require repayment. Parents must complete and send in the Free Application for Federal Student Aid (FAFSA) form. Parental income is not criteria for an A+ student incentive reimbursement.

Students may receive this incentive for a maximum of six (6) semesters and must be enrolled as a full-time student and maintain a GPA average of 2.5 or better on a 4.0 scale. Students are eligible to use the incentive for up to four years after high school graduation.

All funds for the A+ Schools Program are subject to yearly state budgetary appropriations.

Student's Name and Graduation Year (Print): _____
(First) (Last) (Graduation Year)

Name & Address of Other High School(s) Attended: _____

Odessa High School A+ Schools Program Letter of Agreement

Dear Student and Parents/Guardian:

The purpose of this letter is to inform you of the conditions for eligibility for the Student Financial Incentives in accordance with the guidelines of the A+ Schools Program established by Section 14 of the Senate Bill 380. Students who meet the criteria listed below can be eligible to have tuition, general fees* and up to fifty percent (50%) of the book cost subject to legislative appropriation paid for by the state to any Missouri public community college, or vocational or technical school.** Funding for the Student Financial Incentives portion of the A+ Schools Program is the sole responsibility of the State of Missouri. **The A+ Schools Program may provide these educational incentives subject to state funding approval.**

*Fees are limited to general fees that all students are required to pay.

**Funds become available semester following the student's graduation.

The following criteria must all be met for student eligibility in the A+ Student Financial Incentive Program:

1. **Complete and submit during senior year the FAFSA for federal post-secondary student financial assistance funds that do not require repayment. Verification of completion must be provided to the A+ Coordinator.**
2. **Attend an A+ designated school for at least three consecutive years prior to graduation;**
3. **Have at least 95% attendance record for the four year period;**
4. **Graduate with a grade point average of 2.5 or higher on a 4 point scale;**
5. **Perform fifty (50) hours of unpaid tutoring and/or mentoring which is connected to Odessa Schools and supervised by a district employee;**
6. **Maintain a record of good citizenship and avoidance of unlawful use of alcohol or drugs or acts of violence.**
7. **Register for selective service, if applicable.**

In accordance with Missouri State guidelines, a school district may have a process to review an appeal by a student to meet the A+ Schools Program guidelines. Odessa R-7 School District provides such a process for students to submit a request for an appeal. To begin an appeal, contact the A+ Coordinator.

Further, to maintain eligibility after high school graduation, the following criteria must be maintained to be eligible for financial incentives from the State of Missouri:

1. **Attend on a full-time basis a Missouri public community college, or vocational, or technical post-secondary institution; and**
2. **Maintain a grade point average of 2.5 or higher on a 4-point scale.**
3. **Student has four years after high school graduation to claim financial incentive.**

By signing in the designated spaces below, the student and parents/guardians are indicating they have been informed by Odessa High School of the criteria for student participation in the A+ Schools Student Financial Incentive Program.

Student Signature

Date

Parent/Guardian Signature

Date

_____/_____/_____
Student Social Security Number

A+ Coordinator Signature

Date

Career Clusters Interest Survey

Name _____

School _____ Date _____

Directions: Circle the items in each box that best describe you. You may make as many or as few circles in each box as you choose. Add up the number of circles in each box. Look to see which three boxes have the highest numbers. Find the corresponding Career Clusters on the pages immediately following this survey to see which Career Clusters you may want to explore.

BOX 1	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Learn how things grow and stay alive. 2. Make the best use of the earth's natural resources. 3. Hunt and/or fish. 4. Protect the environment. 5. Be outdoors in all kinds of weather. 6. Plan, budget, and keep records. 7. Operate machines and keep them in good repair. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Self-reliant 2. Nature lover 3. Physically active 4. Planner 5. Creative problem solver 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Math 2. Life Sciences 3. Earth Sciences 4. Chemistry 5. Agriculture 	<p>Total number circled in Box 1</p> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>
--------------	---	---	---	---

BOX 2	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Read and follow blueprints and/or instructions. 2. Picture in my mind what a finished product looks like. 3. Work with my hands. 4. Perform work that requires precise results. 5. Solve technical problems. 6. Visit and learn from beautiful, historic, or interesting buildings. 7. Follow logical, step-by-step procedures. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Curious 2. Good at following directions 3. Pay attention to detail 4. Good at visualizing possibilities 5. Patient and persistent 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Math 2. Drafting 3. Physical Sciences 4. Construction Trades 5. Electrical Trades/Heat, Air Conditioning and Refrigeration/Technology Education 	<p>Total number circled in Box 2</p> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>
--------------	--	---	---	---

BOX 3	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Use my imagination to communicate new information to others. 2. Perform in front of others. 3. Read and write. 4. Play a musical instrument. 5. Perform creative, artistic activities. 6. Use video and recording technology. 7. Design brochures and posters. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Creative and imaginative 2. Good communicator/good vocabulary 3. Curious about new technology 4. Relate well to feelings and thoughts of others 5. Determined/tenacious 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Art/Graphic design 2. Music 3. Speech and Drama 4. Journalism/Literature 5. Audiovisual Technologies 	<p>Total number circled in Box 3</p> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>
--------------	---	---	--	---

Source: Adapted from the Guidance Division Survey, Oklahoma Department of Career and Technology Education (2005)

Note: This survey does not make any claims of statistical reliability and has not been normed. It is intended for use as a guidance tool to generate discussion regarding careers and is valid for that purpose.

BOX 4	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Perform routine, organized activities but can be flexible. 2. Work with numbers and detailed information. 3. Be the leader in a group. 4. Make business contact with people. 5. Work with computer programs. 6. Create reports and communicate ideas. 7. Plan my work and follow instructions without close supervision. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Organized 2. Practical and logical 3. Patient 4. Tactful 5. Responsible 	School subjects that I like: <ol style="list-style-type: none"> 1. Computer Applications/Business and Information Technology 2. Accounting 3. Math 4. English 5. Economics 	Total number circled in Box 4 <input style="width: 50px; height: 30px; margin-top: 10px;" type="text"/>
--------------	--	--	--	---

BOX 5	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Communicate with different types of people. 2. Help others with their homework or to learn new things. 3. Go to school. 4. Direct and plan activities for others. 5. Handle several responsibilities at once. 6. Acquire new information. 7. Help people overcome their challenges. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Friendly 2. Decision maker 3. Helpful 4. Innovative/Inquisitive 5. Good listener 	School subjects that I like: <ol style="list-style-type: none"> 1. Language Arts 2. Social Studies 3. Math 4. Science 5. Psychology 	Total number circled in Box 5 <input style="width: 50px; height: 30px; margin-top: 10px;" type="text"/>
--------------	---	---	---	---

BOX 6	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Work with numbers. 2. Work to meet a deadline. 3. Make predictions based on existing facts. 4. Have a framework of rules by which to operate. 5. Analyze financial information and interpret it to others. 6. Handle money with accuracy and reliability. 7. Take pride in the way I dress and look. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Trustworthy 2. Orderly 3. Self-confident 4. Logical 5. Methodical or efficient 	School subjects that I like: <ol style="list-style-type: none"> 1. Accounting 2. Math 3. Economics 4. Banking/Financial Services 5. Business Law 	Total number circled in Box 6 <input style="width: 50px; height: 30px; margin-top: 10px;" type="text"/>
--------------	--	---	--	---

BOX 7	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Be involved in politics. 2. Negotiate, defend, and debate ideas and topics. 3. Plan activities and work cooperatively with others. 4. Work with details. 5. Perform a variety of duties that may change often. 6. Analyze information and interpret it to others. 7. Travel and see things that are new to me. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Good communicator 2. Competitive 3. Service-minded 4. Well-organized 5. Problem solver 	School subjects that I like: <ol style="list-style-type: none"> 1. Government 2. Language Arts 3. History 4. Math 5. Foreign Language 	Total number circled in Box 7 <input style="width: 50px; height: 30px; margin-top: 10px;" type="text"/>
--------------	--	---	---	---

BOX 8	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Work under pressure. 2. Help sick people and animals. 3. Make decisions based on logic and information. 4. Participate in health and science classes. 5. Respond quickly and calmly in emergencies. 6. Work as a member of a team. 7. Follow guidelines precisely and meet strict standards of accuracy. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Compassionate and caring 2. Good at following directions 3. Conscientious and careful 4. Patient 5. Good listener 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Biological Sciences 2. Chemistry 3. Math 4. Occupational Health classes 5. Language Arts 	<p>Total number circled in Box 8</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
BOX 9	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Investigate new places and activities. 2. Work with all ages and types of people. 3. Organize activities in which other people enjoy themselves. 4. Have a flexible schedule. 5. Help people make up their minds. 6. Communicate easily, tactfully, and courteously. 7. Learn about other cultures. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Tactful 2. Self-motivated 3. Works well with others 4. Outgoing 5. Slow to anger 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Language Arts/Speech 2. Foreign Language 3. Social Sciences 4. Marketing 5. Food Services 	<p>Total number circled in Box 9</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
BOX 10	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Care about people, their needs, and their problems. 2. Participate in community services and/or volunteering. 3. Listen to other people's viewpoints. 4. Help people be at their best. 5. Work with people from preschool age to old age. 6. Think of new ways to do things. 7. Make friends with different kinds of people. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Good communicator/good listener 2. Caring 3. Non-materialistic 4. Intuitive and logical 5. Non-judgmental 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Language Arts 2. Psychology/Sociology 3. Family and Consumer Sciences 4. Finance 5. Foreign Language 	<p>Total number circled in Box 10</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
BOX 11	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Work with computers. 2. Reason clearly and logically to solve complex problems. 3. Use machines, techniques, and processes. 4. Read technical materials and diagrams and solve technical problems. 5. Adapt to change. 6. Play video games and figure out how they work. 7. Concentrate for long periods without being distracted. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Logical/analytical thinker 2. See details in the big picture 3. Persistent 4. Good concentration skills 5. Precise and accurate 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Math 2. Science 3. Computer Tech/Applications 4. Communications 5. Graphic Design 	<p>Total number circled in Box 11</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
BOX 12	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Work under pressure or in the face of danger. 2. Make decisions based on my own observations. 3. Interact with other people. 4. Be in positions of authority. 5. Respect rules and regulations. 6. Debate and win arguments. 7. Observe and analyze people's behavior. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Adventurous 2. Dependable 3. Community-minded 4. Decisive 5. Optimistic 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Language Arts 2. Psychology/Sociology 3. Government/History 4. Law Enforcement 5. First Aid/First Responder 	<p>Total number circled in Box 12</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>

BOX 13	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Work with my hands and learn that way. 2. Put things together. 3. Do routine, organized and accurate work. 4. Perform activities that produce tangible results. 5. Apply math to work out solutions. 6. Use hand and power tools and operate equipment/machinery. 7. Visualize objects in three dimensions from flat drawings. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Practical 2. Observant 3. Physically active 4. Step-by-step thinker 5. Coordinated 	School subjects that I like: <ol style="list-style-type: none"> 1. Math-Geometry 2. Chemistry 3. Trade and Industry courses 4. Physics 5. Language Arts 	Total number circled in Box 13 <input style="width: 50px; height: 40px; border: 1px solid black;" type="text"/>
---------------	--	---	---	---

BOX 14	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Shop and go to the mall. 2. Be in charge. 3. Make displays and promote ideas. 4. Give presentations and enjoy public speaking. 5. Persuade people to buy products or to participate in activities. 6. Communicate my ideas to other people. 7. Take advantage of opportunities to make extra money. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Enthusiastic 2. Competitive 3. Creative 4. Self-motivated 5. Persuasive 	School subjects that I like: <ol style="list-style-type: none"> 1. Language Arts 2. Math 3. Business Education/Marketing 4. Economics 5. Computer Applications 	Total number circled in Box 14 <input style="width: 50px; height: 40px; border: 1px solid black;" type="text"/>
---------------	---	--	--	---

BOX 15	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Interpret formulas. 2. Find the answers to questions. 3. Work in a laboratory. 4. Figure out how things work and investigate new things. 5. Explore new technology. 6. Experiment to find the best way to do something. 7. Pay attention to details and help things be precise. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Detail-oriented 2. Inquisitive 3. Objective 4. Methodical 5. Mechanically inclined 	School subjects that I like: <ol style="list-style-type: none"> 1. Math 2. Science 3. Drafting/Computer-Aided Drafting 4. Electronics/Computer Networking 5. Technical Classes/Technology Education 	Total number circled in Box 15 <input style="width: 50px; height: 40px; border: 1px solid black;" type="text"/>
---------------	---	---	---	---

BOX 16	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Travel. 2. See well and have quick reflexes. 3. Solve mechanical problems. 4. Design efficient processes. 5. Anticipate needs and prepare to meet them. 6. Drive or ride. 7. Move things from one place to another. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Realistic 2. Mechanical 3. Coordinated 4. Observant 5. Planner 	School subjects that I like: <ol style="list-style-type: none"> 1. Math 2. Trade and Industry courses 3. Physical Sciences 4. Economics 5. Foreign Language 	Total number circled in Box 16 <input style="width: 50px; height: 40px; border: 1px solid black;" type="text"/>
---------------	---	---	---	---








Disclaimer: Your interests may change over time. These survey results are intended to assist you with informal career exploration. Consider more formal assessments and other resources or services to help you plan your career. This survey does not make any claims of statistical reliability.



The Sixteen Career Clusters

<p>1</p> <p><i>Agriculture, Food & Natural Resources</i></p>	<p>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.</p>
<p>2</p> <p><i>Architecture & Construction</i></p>	<p>Careers in designing, planning, managing, building, and maintaining the built environment.</p>
<p>3</p> <p><i>Arts, A/V Technology & Communications</i></p>	<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
<p>4</p> <p><i>Business Management & Administration</i></p>	<p>Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.</p>
<p>5</p> <p><i>Education & Training</i></p>	<p>Planning, managing, and providing education and training services, and related learning support services.</p>
<p>6</p> <p><i>Finance</i></p>	<p>Planning, services for financial and investment planning, banking, insurance, and business financial management.</p>
<p>7</p> <p><i>Government & Public Administration</i></p>	<p>Executing 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.</p>
<p>8</p> <p><i>Health Science</i></p>	<p>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p>
<p>9</p> <p><i>Hospitality & Tourism</i></p>	<p>Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions and recreation events, and travel-related services.</p>

Career Clusters cont.

<p>10</p>  <p><i>Human Services</i></p>	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>
<p>11</p>  <p><i>Information Technology</i></p>	<p>Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.</p>
<p>12</p>  <p><i>Law, Public Safety, Corrections & Security</i></p>	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
<p>13</p>  <p><i>Manufacturing</i></p>	<p>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.</p>
<p>14</p>  <p><i>Marketing</i></p>	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
<p>15</p>  <p><i>Science, Technology, Engineering & Mathematics</i></p>	<p>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.</p>
<p>16</p>  <p><i>Transportation, Distribution & Logistics</i></p>	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.</p>

My top three Career Clusters of interest are:

1. _____
2. _____
3. _____

For more information, check with a career counselor at your high school, career technical center, higher education institution, or one-stop career center.

Educational Career Plan

Career Path: Industrial & Engineering Technology

Career Cluster: Architecture & Construction

Career Major: _____


Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

		9 th Grade	10 th Grade	11 th Grade	12 th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▲ Architect ▲ Carpenter ▲ Civil Engineer ▲ Construction Foreman/Manager ▲ Contractor ▲ Demolition Engineer ▲ Drafter ▲ Drywall Installer ▲ Electrician ▲ Electronic Systems Technician ▲ Equipment/Material Manager ▲ General Contractor/Builder ▲ Heating, Ventilation, Air Conditioning and Refrigeration Mechanic ▲ Interior Designer ▲ Painter ▲ Paperhanger ▲ Plumber ▲ Project Estimator ▲ Project Inspector ▲ Roofer ▲ Safety Director ▲ Sheet Metal Worker ▲ Tile and Marble Setter 		
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	<ul style="list-style-type: none"> ▲ Architect ▲ Carpenter ▲ Civil Engineer ▲ Construction Foreman/Manager ▲ Contractor ▲ Demolition Engineer ▲ Drafter ▲ Drywall Installer ▲ Electrician ▲ Electronic Systems Technician ▲ Equipment/Material Manager ▲ General Contractor/Builder ▲ Heating, Ventilation, Air Conditioning and Refrigeration Mechanic ▲ Interior Designer ▲ Painter ▲ Paperhanger ▲ Plumber ▲ Project Estimator ▲ Project Inspector ▲ Roofer ▲ Safety Director ▲ Sheet Metal Worker ▲ Tile and Marble Setter 		
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	<ul style="list-style-type: none"> ▲ Architect ▲ Carpenter ▲ Civil Engineer ▲ Construction Foreman/Manager ▲ Contractor ▲ Demolition Engineer ▲ Drafter ▲ Drywall Installer ▲ Electrician ▲ Electronic Systems Technician ▲ Equipment/Material Manager ▲ General Contractor/Builder ▲ Heating, Ventilation, Air Conditioning and Refrigeration Mechanic ▲ Interior Designer ▲ Painter ▲ Paperhanger ▲ Plumber ▲ Project Estimator ▲ Project Inspector ▲ Roofer ▲ Safety Director ▲ Sheet Metal Worker ▲ Tile and Marble Setter 		
American History	World History	American Government	Social Studies Course (optional)	<ul style="list-style-type: none"> ▲ Architect ▲ Carpenter ▲ Civil Engineer ▲ Construction Foreman/Manager ▲ Contractor ▲ Demolition Engineer ▲ Drafter ▲ Drywall Installer ▲ Electrician ▲ Electronic Systems Technician ▲ Equipment/Material Manager ▲ General Contractor/Builder ▲ Heating, Ventilation, Air Conditioning and Refrigeration Mechanic ▲ Interior Designer ▲ Painter ▲ Paperhanger ▲ Plumber ▲ Project Estimator ▲ Project Inspector ▲ Roofer ▲ Safety Director ▲ Sheet Metal Worker ▲ Tile and Marble Setter 		
PE/Health	Fine Arts	Public Speaking Personal Finance		<ul style="list-style-type: none"> ▲ Architect ▲ Carpenter ▲ Civil Engineer ▲ Construction Foreman/Manager ▲ Contractor ▲ Demolition Engineer ▲ Drafter ▲ Drywall Installer ▲ Electrician ▲ Electronic Systems Technician ▲ Equipment/Material Manager ▲ General Contractor/Builder ▲ Heating, Ventilation, Air Conditioning and Refrigeration Mechanic ▲ Interior Designer ▲ Painter ▲ Paperhanger ▲ Plumber ▲ Project Estimator ▲ Project Inspector ▲ Roofer ▲ Safety Director ▲ Sheet Metal Worker ▲ Tile and Marble Setter 		
Career Major Elective(s) Materials and Processing	Career Major Elective(s) Woodworking Technology	½ PE Construction Technology Engineering	Career Major Coursework: Mechanical & Architectural Design Building Trades (Lex-La-Ray)-3 hours Industrial Welding (Lex-La-Ray)-3 hours Engineering Design & Development (Summit Tech)-3 hours Housing and Design	<ul style="list-style-type: none"> ▲ Architect ▲ Carpenter ▲ Civil Engineer ▲ Construction Foreman/Manager ▲ Contractor ▲ Demolition Engineer ▲ Drafter ▲ Drywall Installer ▲ Electrician ▲ Electronic Systems Technician ▲ Equipment/Material Manager ▲ General Contractor/Builder ▲ Heating, Ventilation, Air Conditioning and Refrigeration Mechanic ▲ Interior Designer ▲ Painter ▲ Paperhanger ▲ Plumber ▲ Project Estimator ▲ Project Inspector ▲ Roofer ▲ Safety Director ▲ Sheet Metal Worker ▲ Tile and Marble Setter 		
Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Computer Applications			<ul style="list-style-type: none"> ▲ Architect ▲ Carpenter ▲ Civil Engineer ▲ Construction Foreman/Manager ▲ Contractor ▲ Demolition Engineer ▲ Drafter ▲ Drywall Installer ▲ Electrician ▲ Electronic Systems Technician ▲ Equipment/Material Manager ▲ General Contractor/Builder ▲ Heating, Ventilation, Air Conditioning and Refrigeration Mechanic ▲ Interior Designer ▲ Painter ▲ Paperhanger ▲ Plumber ▲ Project Estimator ▲ Project Inspector ▲ Roofer ▲ Safety Director ▲ Sheet Metal Worker ▲ Tile and Marble Setter 		

Educational Career Plan

Career Path: Arts & Communications

Career Cluster: Arts, A/V Technology & Communications

Career Major: _____

Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

	9 th Grade	10 th Grade	11 th Grade	12 th Grade*	Occupations in this Career Clusters
	College Prep LA I	College Prep LA II Honors LA II	College Prep LA III Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▶ Actor ▶ Audio-Video Designer and Engineer ▶ Broadcast Technician ▶ Commercial Artist ▶ Computer Animator ▶ Curator/Gallery Manager ▶ Director and Coach ▶ Fashion Designer ▶ Journalist ▶ Lithographer ▶ Musician ▶ Printing Equipment Operator ▶ Telecommunication Technician ▶ Videographer ▶ Web Page Designer
	Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	
	Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	
	American History PE/Health	World History Practical Art	American Government Public Speaking Personal Finance	Social Studies Course (optional)	
			½ PE (if needed)		
	Career Major Elective(s) Studio Art I Band Choir Drama	Career Major Elective(s) Studio Art II Graphic Design Band Choir Drama	Career Major Coursework: Graphic Design Studio Art III Band Choir Drama Multimedia Desktop Publishing Digital Media Technology	Career Major Coursework: Psychology/Sociology Architectural Design Journalism I Journalism II DC Adv. Public Speaking Drawing/Painting Housing Design	
	Additional Coursework Foreign Language	Additional Coursework Foreign Language Debate			

Educational Career Plan

Career Path: Business, Management, & Technology
Career Cluster: Business, Management & Administration
Career Major: _____

Date: _____
Student Name: _____
Student Signature: _____
Advisor Signature: _____
Parent/Guardian Signature (if required): _____

High School				12th Grade*	Occupations in this Career Cluster
9th Grade	10th Grade	11th Grade	12th Grade*		
College Prep LA I Algebra A Algebra I Geometry (9)	College Prep LA II Honors LA II Geometry (10-12) Algebra II (10)	College Prep LA III Honors LA III Algebra B Algebra II (11-12) Math Analysis	College Prep LA IV Language Arts IV DC College English AP English Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	<ul style="list-style-type: none"> ▶ Administrative Assistant ▶ Advertising Sales Person ▶ Auditor ▶ Business Consultant ▶ Certified Public Accountant ▶ Corporate Trainer ▶ E-Commerce Analyst ▶ Entrepreneur ▶ Facilities Manager ▶ Finance Director ▶ Human Resources Manager ▶ Investment Executive ▶ Marketing Analyst ▶ Medical Transcriptionist ▶ Office Manager ▶ OSHA/ADA Compliance Officer ▶ Personnel Recruiter ▶ Public Relations Manager ▶ Sales Representative ▶ Wholesale and Retail Buyer 	
Physics/Earth Science American History PE/Health	Chemistry World History ½ PE (if needed)/ ½ Elective	Biology American Government Public Speaking Personal Finance	Anatomy and Physiology AP Chemistry Advanced Physics Social Studies Course (optional)		
Career Major Elective(s) Computer Applications Fund. Of Marketing	Career Major Elective(s) Multimedia I Business Technology	Foreign Language Psychology/Sociology Business Technology Desktop Publishing Accounting I/II	Career Major Coursework Digital Media Technology (Summit Tech)-3 hours Entrepreneurship DC Business Management Sports and Entertainment Marketing		
Additional Coursework Foreign Language Fine Arts	Additional Coursework Foreign Language				

Educational Career Plan

Career Path: Human Services

Career Cluster: Education & Training

Career Major: _____

Date: _____
Student Name: _____
Student Signature: _____
Advisor Signature: _____
Parent/Guardian Signature (if required): _____

9th Grade	10th Grade	11th Grade	12th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▶ Administrator ▶ Assessment Specialist ▶ CareerTech Administrator ▶ Child Care Worker ▶ Clinical Psychologist ▶ Coach ▶ College/University Faculty ▶ Counselor ▶ Curriculum Developer ▶ Elementary Teacher ▶ High School Teacher ▶ Middle School Teacher ▶ Principal ▶ Speech-Language Pathologist
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	
American History	World History	American Government	Social Studies Course (optional)	
PE/Health	Fine Arts	Public Speaking Personal Finance		
Career Major Elective(s) Career and Family Leadership Additional Coursework Foreign Language Computer Applications				
Career Major Elective(s) Parenting Foods Additional Coursework Foreign Language Computer Applications				
Career Major Coursework: Family Living Psychology/Sociology Housing and Design Early Childhood Professionals (Lex-La-Ray)-3 hours DC Psychology DC Sociology A+ Tutoring Law and You Cadet Teaching				



Educational Career Plan

Career Path: Business, Management, & Technology

Career Cluster: Finance

Career Major: _____

Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

	9th Grade	10th Grade	11th Grade	12th Grade*	Occupations in this Career Clusters
	College Prep LA I Algebra A Algebra I Geometry (9)	College Prep LA II Honors LA II Geometry (10-12) Algebra II (10)	College Prep LA III Honors LA III Algebra B Algebra II (11-12) Math Analysis	College Prep LA IV Language Arts IV DC College English AP English Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	<ul style="list-style-type: none"> ▲ Abstractor ▲ Accountant ▲ Actuary ▲ Bill and Account Collector ▲ Commodities Representative ▲ Controller ▲ Credit Analyst ▲ Debt Counselor ▲ Economist ▲ Financial Planner ▲ Foreign Exchange Manager ▲ Fund Raiser ▲ Insurance Broker ▲ Internal Auditor ▲ Loan Officer ▲ Non-Profit Manager ▲ Tax Examiner ▲ Title Researcher and Examiner ▲ Treasurer ▲ Trust Officer ▲ Underwriter
			Biology	Anatomy and Physiology AP Chemistry Advanced Physics	
		World History	American Government	Social Studies Course (optional)	
	PE/Health	Fine Arts	Public Speaking Personal Finance	½ PE (if needed)	
	Career Major Elective(s) Computer Applications	Career Major Elective(s) Accounting I Business Technology	Career Major Coursework		
	Additional Coursework Foreign Language	Additional Coursework Foreign Language	Accounting I Accounting II DC Business Technology DC Business Ownership Fundamentals Of Marketing Entrepreneurship Psychology/Sociology Law and You		

Educational Career Plan

Career Path: Human Services
Career Cluster: Government & Public Administration
Career Major: _____

Date: _____
Student Name: _____
Student Signature: _____
Advisor Signature: _____
Parent/Guardian Signature (if required): _____

9 th Grade	10 th Grade	11 th Grade	12 th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III or Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▲ Ambassador ▲ Bank Examiner ▲ City Manager ▲ Combat Control Officer ▲ Commissioner ▲ Cryptographer ▲ Election Supervisor ▲ Elected Official ▲ Foreign Service Officer ▲ Immigration Officer ▲ Intelligence Analyst ▲ Internal Revenue Investigator ▲ Lobbyist ▲ National Security Advisor ▲ Planner ▲ Policy Advisor ▲ Tax Policy Analyst
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	
American History	World History	American Government	Social Studies Course (optional)	
PE/Health	Fine Arts	Public Speaking Personal Finance		
		½ PE		
Career Major Elective(s) Debate	Career Major Elective(s) Debate	Career Major Coursework:		
Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language	Law and You Civil War Psychology Sociology Accounting DC Psychology DC Sociology DC Criminal Justice Family Living DC US History Vietnam War Era Parenting		



Educational Career Plan

Career Path: Health Services

Career Cluster: Health Science

Career Major: _____

Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

High School		9th Grade	10th Grade	11th Grade	12th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III or Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	Occupations Requiring Less than Baccalaureate Degree ▶ Dental Assistant/Hygienist ▶ EMT/Paramedic ▶ Health Information Coder ▶ Home Health Aide ▶ Lab Technician ▶ Phlebotomist ▶ Radiographer ▶ Registered Nurse		
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	Occupations Requiring Baccalaureate Degree ▶ Athletic Trainer ▶ Biochemist ▶ Biostatistician ▶ Geneticist ▶ Industrial Hygienist ▶ Nutritionist ▶ Occupational Therapist ▶ Physician (MD/DO) ▶ Physician's Assistant ▶ Psychologist ▶ Radiologist ▶ Research Scientist ▶ Speech/Language Pathologist ▶ Toxicologist ▶ Veterinarian		
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	Occupations Requiring Baccalaureate Degree ▶ Athletic Trainer ▶ Biochemist ▶ Biostatistician ▶ Geneticist ▶ Industrial Hygienist ▶ Nutritionist ▶ Occupational Therapist ▶ Physician (MD/DO) ▶ Physician's Assistant ▶ Psychologist ▶ Radiologist ▶ Research Scientist ▶ Speech/Language Pathologist ▶ Toxicologist ▶ Veterinarian		
American History	World History	American Government	Social Studies Course (optional)	Occupations Requiring Baccalaureate Degree ▶ Athletic Trainer ▶ Biochemist ▶ Biostatistician ▶ Geneticist ▶ Industrial Hygienist ▶ Nutritionist ▶ Occupational Therapist ▶ Physician (MD/DO) ▶ Physician's Assistant ▶ Psychologist ▶ Radiologist ▶ Research Scientist ▶ Speech/Language Pathologist ▶ Toxicologist ▶ Veterinarian		
PE/Health	Fine Arts	Public Speaking Personal Finance	Public Speaking Personal Finance	Occupations Requiring Baccalaureate Degree ▶ Athletic Trainer ▶ Biochemist ▶ Biostatistician ▶ Geneticist ▶ Industrial Hygienist ▶ Nutritionist ▶ Occupational Therapist ▶ Physician (MD/DO) ▶ Physician's Assistant ▶ Psychologist ▶ Radiologist ▶ Research Scientist ▶ Speech/Language Pathologist ▶ Toxicologist ▶ Veterinarian		
Career Major Elective(s) Career & Family Leadership	Career Major Elective(s) Foods Parenting Family Living	Career Major Elective(s) Foods Parenting Family Living	Career Major Coursework: Health Occupations (Lex-La-Ray)-3 hours Principals of Biomedical Science (Summit Tech)-3 hours Medical Interventions (Summit Tech) – 3 hours Pre-Nursing (Summit Tech)-3 hours DC Advanced Biology(I-TV) Parenting Family Living DC Psychology (online) DC Sociology (I-TV)	Occupations Requiring Baccalaureate Degree ▶ Athletic Trainer ▶ Biochemist ▶ Biostatistician ▶ Geneticist ▶ Industrial Hygienist ▶ Nutritionist ▶ Occupational Therapist ▶ Physician (MD/DO) ▶ Physician's Assistant ▶ Psychologist ▶ Radiologist ▶ Research Scientist ▶ Speech/Language Pathologist ▶ Toxicologist ▶ Veterinarian		
Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Computer Applications	Occupations Requiring Baccalaureate Degree ▶ Athletic Trainer ▶ Biochemist ▶ Biostatistician ▶ Geneticist ▶ Industrial Hygienist ▶ Nutritionist ▶ Occupational Therapist ▶ Physician (MD/DO) ▶ Physician's Assistant ▶ Psychologist ▶ Radiologist ▶ Research Scientist ▶ Speech/Language Pathologist ▶ Toxicologist ▶ Veterinarian		

Educational Career Plan

Career Path: Human Services

Career Cluster: Hospitality & Tourism

Career Major: _____

Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

High School		9th Grade	10th Grade	11th Grade	12th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III or Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▶ Baker ▶ Bartender ▶ Casino Manager ▶ Caterer ▶ Concierge ▶ Convention Services Manager ▶ Director of Operations - Lodging ▶ Director of Tourism Development ▶ Event Planner ▶ Executive Chef ▶ Facilities Manager ▶ Maitre d' ▶ Museum Director ▶ Reservations Manager ▶ Restaurant Owner/Manager ▶ Sports Promoter ▶ Theme Park Manager ▶ Tour and Travel Guide ▶ Travel Agent ▶ Wine Steward 		
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	<ul style="list-style-type: none"> ▶ Director of Operations - Lodging ▶ Director of Tourism Development ▶ Event Planner ▶ Executive Chef ▶ Facilities Manager ▶ Maitre d' ▶ Museum Director ▶ Reservations Manager ▶ Restaurant Owner/Manager ▶ Sports Promoter ▶ Theme Park Manager ▶ Tour and Travel Guide ▶ Travel Agent ▶ Wine Steward 		
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	<ul style="list-style-type: none"> ▶ Baker ▶ Bartender ▶ Casino Manager ▶ Caterer ▶ Concierge ▶ Convention Services Manager ▶ Director of Operations - Lodging ▶ Director of Tourism Development ▶ Event Planner ▶ Executive Chef ▶ Facilities Manager ▶ Maitre d' ▶ Museum Director ▶ Reservations Manager ▶ Restaurant Owner/Manager ▶ Sports Promoter ▶ Theme Park Manager ▶ Tour and Travel Guide ▶ Travel Agent ▶ Wine Steward 		
American History	World History	American Government	Social Studies Course (optional)	<ul style="list-style-type: none"> ▶ Baker ▶ Bartender ▶ Casino Manager ▶ Caterer ▶ Concierge ▶ Convention Services Manager ▶ Director of Operations - Lodging ▶ Director of Tourism Development ▶ Event Planner ▶ Executive Chef ▶ Facilities Manager ▶ Maitre d' ▶ Museum Director ▶ Reservations Manager ▶ Restaurant Owner/Manager ▶ Sports Promoter ▶ Theme Park Manager ▶ Tour and Travel Guide ▶ Travel Agent ▶ Wine Steward 		
PE/Health	Fine Arts	Public Speaking Personal Finance		<ul style="list-style-type: none"> ▶ Baker ▶ Bartender ▶ Casino Manager ▶ Caterer ▶ Concierge ▶ Convention Services Manager ▶ Director of Operations - Lodging ▶ Director of Tourism Development ▶ Event Planner ▶ Executive Chef ▶ Facilities Manager ▶ Maitre d' ▶ Museum Director ▶ Reservations Manager ▶ Restaurant Owner/Manager ▶ Sports Promoter ▶ Theme Park Manager ▶ Tour and Travel Guide ▶ Travel Agent ▶ Wine Steward 		
		½ PE (if needed)				
Career Major Elective(s) Career & Family Leadership	Career Major Elective(s) Foods Fundamentals of Marketing/ Entrepreneurship	Career Major Coursework:				
Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Multimedia	<ul style="list-style-type: none"> Housing and Design Family Living Psychology/Sociology DC Psychology (online) DC Sociology (I-TV) Advanced Marketing Sports and Entertainment Marketing DC Business Ownership Desktop Publishing Accounting 				

Educational Career Plan

Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

Career Path: Human Services

Career Cluster: Human Services

Career Major: _____

		9 th Grade	10 th Grade	11 th Grade	12 th Grade*	Occupations in this Career Cluster
	College Prep LA I	College Prep LA II Honors LA II	College Prep LA III or Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	Buyer Certified Financial Planner Community Service Director Consumer Advocate Cosmetologist Director of Childcare Facility Emergency and Relief Worker Esthetician Funeral Director Licensed Professional Counselor Market Researcher Massage Therapist Personal Fitness Trainer School Counselor/Psychologist Small Business Owner Social Worker	
	Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra		
	Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics		
	American History	World History	American Government	Social Studies Course (optional)		
	PE/Health	Fine Arts	Public Speaking Personal Finance			
			½ PE (if needed)			
	Career Major Elective(s) Career & Family Leadership	Career Major Elective(s) Parenting	Career Major Coursework: Family Living I/II Psychology/Sociology DC Psychology (online) DC Sociology (I-TV) DC US History (I-TV) Foreign Language Law and You Early Childhood Professionals (Lex-La-Ray) 3 hours Health Occupations (Lex-La-Ray) 3 hours			
	Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Computer Technology				

Educational Career Plan

Career Path: Business, Management, & Technology

Career Cluster: Information Technology

Career Major: _____

Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

High School		9th Grade	10th Grade	11th Grade	12th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III or Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▶ Animator ▶ Database Administrator ▶ Data Systems Designer ▶ E-Business Specialist ▶ Game Developer ▶ Information Technology Engineer ▶ Media Specialist ▶ Network Administrator ▶ Network Security Analyst ▶ PC Support Specialist ▶ Programmer ▶ Software Applications Specialist ▶ Systems Administrator ▶ Telecommunications Network Technician ▶ User Support Specialist ▶ Virtual Reality Specialist ▶ Web Architect/Designer 		
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	<ul style="list-style-type: none"> ▶ Anim ator ▶ Database Administrator ▶ Data Systems Designer ▶ E-Business Specialist ▶ Game Developer ▶ Information Technology Engineer ▶ Media Specialist ▶ Network Administrator ▶ Network Security Analyst ▶ PC Support Specialist ▶ Programmer ▶ Software Applications Specialist ▶ Systems Administrator ▶ Telecommunications Network Technician ▶ User Support Specialist ▶ Virtual Reality Specialist ▶ Web Architect/Designer 		
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	<ul style="list-style-type: none"> ▶ Anim ator ▶ Database Administrator ▶ Data Systems Designer ▶ E-Business Specialist ▶ Game Developer ▶ Information Technology Engineer ▶ Media Specialist ▶ Network Administrator ▶ Network Security Analyst ▶ PC Support Specialist ▶ Programmer ▶ Software Applications Specialist ▶ Systems Administrator ▶ Telecommunications Network Technician ▶ User Support Specialist ▶ Virtual Reality Specialist ▶ Web Architect/Designer 		
American History	World History	American Government	Social Studies Course (optional)	<ul style="list-style-type: none"> ▶ Anim ator ▶ Database Administrator ▶ Data Systems Designer ▶ E-Business Specialist ▶ Game Developer ▶ Information Technology Engineer ▶ Media Specialist ▶ Network Administrator ▶ Network Security Analyst ▶ PC Support Specialist ▶ Programmer ▶ Software Applications Specialist ▶ Systems Administrator ▶ Telecommunications Network Technician ▶ User Support Specialist ▶ Virtual Reality Specialist ▶ Web Architect/Designer 		
PE/Health	PE	Public Speaking Personal Finance		<ul style="list-style-type: none"> ▶ Anim ator ▶ Database Administrator ▶ Data Systems Designer ▶ E-Business Specialist ▶ Game Developer ▶ Information Technology Engineer ▶ Media Specialist ▶ Network Administrator ▶ Network Security Analyst ▶ PC Support Specialist ▶ Programmer ▶ Software Applications Specialist ▶ Systems Administrator ▶ Telecommunications Network Technician ▶ User Support Specialist ▶ Virtual Reality Specialist ▶ Web Architect/Designer 		
Career Major Elective(s) Computer Applications I Studio Art I Additional Coursework Foreign Language Fine Arts	Career Major Elective(s) Business Technology Multimedia I Additional Coursework Foreign Language	Career Major Coursework: Desktop Publishing Graphic Design Info Technology Essentials (Summit Tech)-3 hours Adv. Network Administration/Cisco Academy (Summit Tech)-3 hours Computer Maintenance & Networking (Lex-La-Ray)-3 hours Accounting I/II Journalism				

Educational Career Plan

Career Path: Human Services

Career Cluster: Law, Public Safety & Security

Career Major: _____


Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

		9th Grade	10th Grade	11th Grade	12th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III or Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▶ Attorney ▶ Bomb Technician ▶ Corrections Officer ▶ Court Reporter ▶ Criminal Investigator ▶ EMT ▶ Federal Marshall ▶ Firefighter ▶ Gaming Surveillance Specialist ▶ Hazardous Materials Responder ▶ Loss Prevention Specialist ▶ Paralegal ▶ Park Ranger ▶ Police and Patrol Officer ▶ Probation/Parole Officer ▶ Public Information Officer ▶ Security Director ▶ Youth Services Worker 		
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra			
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics			
American History	World History	American Government	Social Studies Course (optional)			
PE/Health	Fine Arts	Public Speaking Personal Finance				
Career Major Elective(s) Materials and Processing	Career Major Elective(s) Debate	<p style="text-align: center;">Career Major Coursework:</p> Law and You/Civil War Vietnam War Era/20 th Century Media Psychology Sociology DC Psychology DC Sociology DC Criminal Justice Family Living DC US History Parenting Fire Safety (Fort Osage)-3 hours/Waiting List				
Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language PE/Weights					


Educational Career Plan

Career Path: Industrial & Engineering Technology

Career Cluster: Manufacturing

Career Major: _____

Date: _____
Student Name: _____
Student Signature: _____
Advisor Signature: _____
Parent/Guardian Signature (if required): _____

		12th Grade*		Occupations in this Career Cluster	
9th Grade	College Prep LA I	10th Grade	College Prep LA II Honors LA II	11th Grade	College Prep LA III or Honors LA III
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	<ul style="list-style-type: none"> ▲ Assembler ▲ Boilermaker ▲ Design Engineer ▲ Environmental Engineer ▲ Foundry Worker ▲ Freight, Stock and Material Mover ▲ Health and Safety Representative ▲ Industrial Machinery Mechanic ▲ Inspector ▲ Labor Relations Manager ▲ Logistician ▲ Manufacturing Technician ▲ Pattern and Model Maker ▲ Production Manager ▲ Quality Control Technician ▲ Safety Engineer ▲ SPC Coordinator ▲ Tool and Die Maker ▲ Traffic Manager ▲ Welder
Physics/Earth Science	Chemistry	Biology	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	
American History	World History	American Government	American Government	Social Studies Course (optional)	
PE/Health	Fine Arts	Public Speaking Personal Finance	Public Speaking Personal Finance		
Career Major Elective(s) Materials and Processing	Career Major Elective(s) Woodworking Technology	½ PE (if needed)	½ PE (if needed)	Career Major Coursework: Construction Technology Engineering Design Mechanical & Architectural Design Manufacturing & Engineering (Lex-La-Ray)-3 hours Building Trades (Lex-La-Ray)-3 hours Industrial Welding (Lex-La-Ray)-3 hours Engineering Design & Development (Summit Tech)-3 hours	
Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Computer Applications				

Educational Career Plan

Career Path: Human Services

Career Cluster: Marketing, Sales & Service

Career Major: _____

Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

9th Grade	10th Grade	11th Grade	12th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III or Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▶ Copywriter/Designer ▶ E-Commerce Director ▶ Entrepreneur ▶ Field Marketing Representative ▶ Forecasting Manager ▶ Interactive Media Specialist ▶ Inventory Manager/Analyst ▶ Logistics Manager ▶ Merchandise Buyer ▶ On-line Market Researcher ▶ Public Relations Manager ▶ Promotions Manager ▶ Retail Marketing Coordinator ▶ Sales Executive ▶ Shipping/Receiving Clerk ▶ Telemarketer ▶ Trade Show Manager ▶ Warehouse Manager ▶ Webmaster
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	
American History	World History	American Government	Social Studies Course (optional) ½ PE	
PE/Health	Fine Arts	Public Speaking Personal Finance		
Career Major Elective(s) Fundamentals of Marketing	Career Major Elective(s) Entrepreneurship	Career Major Coursework:		
Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Computer Applications	Sports and Entertainment Marketing Advanced Marketing DC Business Ownership Graphic Design DC Psychology DC Sociology Business Technology Accounting I/II		

Educational Career Plan

Career Path: Industrial & Engineering Technology

Career Cluster: Science, Technology, Engineering & Mathematics

Career Major: _____

Date: _____

Student Name: _____

Student Signature: _____

Advisor Signature: _____

Parent/Guardian Signature (if required): _____

9th Grade	10th Grade	11th Grade	12th Grade*	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	<ul style="list-style-type: none"> ▶ Aerospace Engineer ▶ Agricultural Engineer ▶ Analytical Chemist ▶ Anthropologist ▶ Architectural Engineer ▶ Astrophysicist ▶ Biomedical Engineer ▶ CAD Technician ▶ Civil Engineer ▶ Computer Programmer ▶ Ecologist ▶ Geologist ▶ Geothermal Engineer ▶ Math Teacher ▶ Mathematician ▶ Metallurgist ▶ Statistician ▶ Survey Technician ▶ Zoologist
Algebra A Algebra I Geometry (9)	Geometry (10-12) Algebra II (10)	Algebra B Algebra II (11-12) Math Analysis	Transitional Math Algebra II (11-12) Algebra III Math Analysis Calculus DC College Algebra	
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	
American History	World History	American History	Social Studies Course (optional)	
PE/Health	Fine Arts	Public Speaking Personal Finance		
		½ PE (if needed)		
Career Major Elective(s) Computer Applications	Career Major Elective(s) Biology Engineering Mechanical & Architectural Design	Career Major Coursework:		
Additional Coursework Foreign Language	Additional Coursework Foreign Language	Manufacturing & Engineering (Lex-La-Ray) 3 hours Engineering Design & Development (Summit Tech) 3 hours Networking Essentials (Summit Tech) 3 hours Adv. Network Administration (Summit Tech) 3 hours IT Essentials I/II (Summit Tech) 3 hours Digital Media Technology (Summit Tech) 3hours		

Educational Career Plan

Career Path: Industrial & Engineering Technology

Career Cluster: Transportation, Distribution and Logistics

Career Major: _____

Date: _____
Student Name: _____
Student Signature: _____
Advisor Signature: _____
Parent/Guardian Signature (if required): _____

High School					12th Grade*	11th Grade	10th Grade	9th Grade	Occupations in this Career Cluster
College Prep LA I	College Prep LA II Honors LA II	College Prep LA III Honors LA III	College Prep LA IV Language Arts IV DC College English AP English	Airplane Pilot/Co-Pilot	Algebra B Algebra I Geometry (9)	Algebra B Algebra II (11-12) Math Analysis	Geometry (10-12) Algebra II (10)	College Prep LA I	▶ Air Traffic Controller ▶ Avionics Technician ▶ Cargo and Freight Agent ▶ Customs Inspector ▶ Environmental Manager ▶ Facility Engineer ▶ Industrial Equipment Mechanic ▶ Industrial and Packaging Engineer ▶ International Logistics Specialist ▶ Locomotive Engineer ▶ Marine Captain ▶ Port Manager ▶ Safety Analyst ▶ Storage and Distribution Manager ▶ Transportation Manager ▶ Truck Driver ▶ Urban and Regional Planner ▶ Warehouse Manager
Physics/Earth Science	Chemistry	Biology	Anatomy and Physiology AP Chemistry Advanced Physics	Marine Captain	Algebra B Algebra I Geometry (9)	Algebra B Algebra II (11-12) Math Analysis Calculus DC College Algebra	Geometry (10-12) Algebra II (10)	College Prep LA I	▶ Airplane Pilot/Co-Pilot ▶ Air Traffic Controller ▶ Avionics Technician ▶ Cargo and Freight Agent ▶ Customs Inspector ▶ Environmental Manager ▶ Facility Engineer ▶ Industrial Equipment Mechanic ▶ Industrial and Packaging Engineer ▶ International Logistics Specialist ▶ Locomotive Engineer ▶ Marine Captain ▶ Port Manager ▶ Safety Analyst ▶ Storage and Distribution Manager ▶ Transportation Manager ▶ Truck Driver ▶ Urban and Regional Planner ▶ Warehouse Manager
American History	World History	American Government	Social Studies course (optional)	Port Manager	Algebra B Algebra I Geometry (9)	Algebra B Algebra II (11-12) Math Analysis Calculus DC College Algebra	Geometry (10-12) Algebra II (10)	College Prep LA I	▶ Airplane Pilot/Co-Pilot ▶ Air Traffic Controller ▶ Avionics Technician ▶ Cargo and Freight Agent ▶ Customs Inspector ▶ Environmental Manager ▶ Facility Engineer ▶ Industrial Equipment Mechanic ▶ Industrial and Packaging Engineer ▶ International Logistics Specialist ▶ Locomotive Engineer ▶ Marine Captain ▶ Port Manager ▶ Safety Analyst ▶ Storage and Distribution Manager ▶ Transportation Manager ▶ Truck Driver ▶ Urban and Regional Planner ▶ Warehouse Manager
PE/Health	Fine Arts	Public Speaking Personal Finance		Safety Analyst	Algebra B Algebra I Geometry (9)	Algebra B Algebra II (11-12) Math Analysis Calculus DC College Algebra	Geometry (10-12) Algebra II (10)	College Prep LA I	▶ Airplane Pilot/Co-Pilot ▶ Air Traffic Controller ▶ Avionics Technician ▶ Cargo and Freight Agent ▶ Customs Inspector ▶ Environmental Manager ▶ Facility Engineer ▶ Industrial Equipment Mechanic ▶ Industrial and Packaging Engineer ▶ International Logistics Specialist ▶ Locomotive Engineer ▶ Marine Captain ▶ Port Manager ▶ Safety Analyst ▶ Storage and Distribution Manager ▶ Transportation Manager ▶ Truck Driver ▶ Urban and Regional Planner ▶ Warehouse Manager
Career Major Elective(s) Materials and Processing Ag Science I	Career Major Elective(s) Engineering Design Ag Science II	Career Major Course Work: Mechanical and Architectural Design Woodworking Technology Automotive Technology (Lex-La-Ray) 3 hours Collision Repair Technology (Lex-La-Ray) 3 hours Industrial Welding (Lex-La-Ray) 3 hours		Storage and Distribution Manager	Algebra B Algebra I Geometry (9)	Algebra B Algebra II (11-12) Math Analysis Calculus DC College Algebra	Geometry (10-12) Algebra II (10)	College Prep LA I	▶ Airplane Pilot/Co-Pilot ▶ Air Traffic Controller ▶ Avionics Technician ▶ Cargo and Freight Agent ▶ Customs Inspector ▶ Environmental Manager ▶ Facility Engineer ▶ Industrial Equipment Mechanic ▶ Industrial and Packaging Engineer ▶ International Logistics Specialist ▶ Locomotive Engineer ▶ Marine Captain ▶ Port Manager ▶ Safety Analyst ▶ Storage and Distribution Manager ▶ Transportation Manager ▶ Truck Driver ▶ Urban and Regional Planner ▶ Warehouse Manager
Additional Coursework Foreign Language Computer Applications	Additional Coursework Foreign Language Computer Applications			Transportation Manager	Algebra B Algebra I Geometry (9)	Algebra B Algebra II (11-12) Math Analysis Calculus DC College Algebra	Geometry (10-12) Algebra II (10)	College Prep LA I	▶ Airplane Pilot/Co-Pilot ▶ Air Traffic Controller ▶ Avionics Technician ▶ Cargo and Freight Agent ▶ Customs Inspector ▶ Environmental Manager ▶ Facility Engineer ▶ Industrial Equipment Mechanic ▶ Industrial and Packaging Engineer ▶ International Logistics Specialist ▶ Locomotive Engineer ▶ Marine Captain ▶ Port Manager ▶ Safety Analyst ▶ Storage and Distribution Manager ▶ Transportation Manager ▶ Truck Driver ▶ Urban and Regional Planner ▶ Warehouse Manager

**ODESSA
HIGH SCHOOL
COURSE
DESCRIPTIONS**

OHS COURSE WEIGHTING SYSTEM

Only core area courses which are above the Coordinating Board of Higher Education requirements for entrance into Missouri's four-year colleges/universities are weighted. In each of the following courses, a 0.333 quality point will be added to each semester grade and be factored into the student's GPA:

Honors Language II & III, AP English, DC Language Arts IV, DC Adv. Public Speaking
Math Analysis, Calculus, DC College Algebra
Anatomy & Physiology, AP Chemistry, Adv. Physics, DC Adv. Biology
DC US History, DC Sociology/Psychology
Spanish III & IV, DC Business Tech, DC Business Ownership

LANGUAGE ARTS

The following courses count as Language Arts credits unless noted

NOTE: Any student that does not pass a Language Arts class must repeat the course or complete the course through credit recovery before moving on to the next course.

Language Arts Explorations: Grade 9 (2 credits-meets daily entire year)

Students are placed in this course based on an 8th grade reading exam, MAP test, and teacher recommendations. It is designed to help students improve their reading, writing, speaking, and listening skills; practice and develop research skills; attain grade-level proficiency in courses that use literacy skills; and gain practice in working in effective teams.

College Prep Language Arts I: Grade 9 (1 credit-meets daily entire year)

This course is divided into three main categories: Grammar, Composition, and Literature. The basic fundamentals of grammar consisting of the parts of speech and sentence construction will be covered. Creative and expository writing will be incorporated into grammar and literature units. The literature book is arranged in thematic units that consist of short stories, poetry, a play, several brief novels, and will include introduction to research and speech.

College Prep Language Arts II: Grade 10 (1 credit-meets daily entire year)

This course is divided into three categories: Grammar, Composition, and Literature. In grammar, students will be expected to master the parts of speech, sentence structure, capitalization, and punctuation. In composition, students will be assigned various writing activities. In literature, students complete thematic units that consist of short stories, plays, poetry, and novels.

Honors Language Arts II: Grade 10 (1 credit-meets daily entire year)

Weighted Course

Pre-requisite: Recommendation from CP LA I teacher. This course is designed for the academically talented student to further develop the writing skills emphasized in CP LA I. Key components within instruction of effective composition include structure, style, tone, voice, purpose, usage, and mechanics. Timed writing and critical essay responses will help gauge the students' progress and growth. Researching, evaluating information, and synthesizing findings, along with competent utilization of MLA format for documentation, are also integral to the course. Summer reading assignment must be submitted on the first day of class.

College Prep Language Arts III: Grade 11 (1 credit-meets daily entire year)

The standard course will include written communications with an emphasis on research techniques and term paper writing; formal essays; a general survey of American Literature; and vocabulary development.

Honors Language Arts III: Grade 11 (1 credit-meets daily entire year)

Weighted Course

Pre-requisite: Recommendation from current Honors LA II teacher. Those who are accepted into the program are obtaining preparation for College Board's Advanced Placement English test taken their senior year. The curriculum is prescribed & provided by the College Board designed specifically to prepare students for the required levels of grammatical skills, analytical thinking skills, writing skills, literary exposure, & creativity expected in AP Senior English. Summer readings are required to be completed by the first day of class.

Language Arts IV: Grade 12 (1 credit-meets daily entire year)

This first half of the course is designed to provide opportunities for continued development of reading comprehension and writing skills. Topics of study will include, but are not limited to, novels, short stories, poetry and drama. The second half consists of a Senior Project that is a student-created presentation that demonstrates further academic pursuit, social service, career exploration, and/or creative endeavor resulting in helping the student become a more educated, active, and productive member of their community. Students will propose a project, research the topic, devote 25 hours of outside school time working on the project, and present a PowerPoint presentation and product.

College Prep Language Arts IV: Grade 12 (1 credit-meets daily entire year)

The first half of this course is designed for four-year college bound students, needing to improve writing skills and research techniques. The second half consists of a Senior Project that is a student-created presentation that demonstrates further academic pursuit, social service, career exploration, and/or creative endeavor resulting in helping the student become a more educated, active, and productive member of their community. Students will propose a project, research the topic, devote 25 hours of outside school time working on the project, and present a PowerPoint presentation and product.

Dual Credit Language Arts IV: Grade 12

Weighted Course

(1 LA credit & 3 college hours-meets daily entire year) Pre-requisite: 3.0 GPA & minimum score of 18 on English subsection of ACT (must be met prior to enrollment). This course follows UCM's composition curriculum and incorporates literature. Credit will not be issued until completion of both composition and literature units. Final testing with UCM may not occur until second semester. **Tuition fee** set by college and payable by the student.

Advanced Placement English: Grade 12 (1 credit-meets daily entire year)

Weighted Course

Curriculum prescribed by the College Board to prepare students for AP Literature & Composition Exam administered in May. **Test fee** paid by student.

Journalism 1: Grade 10-12 (1 elective credit-meets daily entire year)

Pre-requisite: B average in Language Arts, Computer Applications, application & teacher approval. This course introduces the basic skills of journalism, including all aspects of newspaper publication, and introduction to yearbook design. Students will publish a monthly newspaper, THE GROWLER.

Journalism II/III: Grade 11-12 (1 elective credit-meets daily entire year)

Pre-requisite: Journalism I/II, B average in Language Arts, application & teacher approval. These courses further develop a yearbook from start to finish.

Public Speaking: Grade 11-12 (1/2 public speaking credit-meets daily one semester)

Pre-requisite: Language Arts I & II. This course will introduce students to speech communication. It will provide the student with an opportunity to use basic skills needed in everyday communication such as job interviews and interpersonal communication as well as formal speaking situations.

Dual Credit Advanced Public Speaking: Grade 11-12

Weighted Course

(1 public speaking credit & 3 college hours-meets daily entire year) Pre-requisite: 3.0 GPA and teacher approval. UMKC approved curriculum will be followed in this class. This course will prepare students for a variety of speaking situations. Standards of evaluation will be at the college level. **Tuition fee** set by university and payable by the student.

Speech & Debate (Forensics): Grade 9-12 (1 elective credit-meets daily entire year)

This course focuses on speaking, performing, and debating in front of an audience in a competitive setting and is geared for students on the speech and debate team. Students are required to attend a minimum of one tournament a semester in which they will perform competitively. Students will use class time to practice areas of speech including storytelling, poetry, prose, dramatic & humorous interpretation, original oratory, duet improvisation, and debate. Enrollment in this course means you have joined the Speech & Debate team for one year. **Completion of full year is recognized as meeting Public Speaking graduation requirement.**

MATHEMATICS

The following courses count as Mathematics credits

NOTE: Freshman students are placed in Mathematics courses based on 8th grade placement exams, MAP scores, and teacher recommendations. Any student that does not pass a Mathematics course must repeat the course or complete the course through credit recovery before moving on to the next course.

Algebra Math Lab: Grade 9 (1 credit-meets daily entire year)

This course is an enrichment course that is taken concurrently with Algebra A. This course is designed to help students who struggle with algebra by providing them with a small class size so they can receive more one-on-one instruction and be successful in Algebra A.

Algebra A: Grades 9-12 (1 credit-meets daily entire year)

This course covers the first semester of traditional Algebra I. This gives the opportunity for a student to take Algebra I over a 2 year period. Algebra is the study of the relations and properties of numbers by means of letters and symbols in solving equations and other mathematical problems.

Algebra I: Grades 9-12 (1 credit-meets daily entire year)

Algebra is the study of the relations and properties of numbers by means of letters and symbols in solving equations and other mathematical problems.

Geometry: Grades 9-12 (1 credit-meets daily entire year)

Plane geometry is a course that will enhance reasoning ability through a logical approach to problem solving, proofs, and spatial sense related to 2-dimensional and 3-dimensional figures.

Algebra B: Grades 11-12 (1 credit-meets daily entire year)

This course covers the second semester of traditional Algebra I. This gives the opportunity for a student to take Algebra I over a 2 year period. Algebra is the study of the relations and properties of numbers by means of letters and symbols in solving equations and other mathematical problems.

Algebra II: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Geometry and Algebra I. This course is an extension of Algebra I. Previously learned concepts are expanded and new topics are also presented. Topics include systems of equations, properties of functions, quadratic functions, polynomial functions, radicals, complex numbers, exponential and logarithmic functions, and data analysis.

Math Analysis: Grades 11-12 (1 credit-meets daily entire year)

Weighted Course

Pre-requisite: Algebra II. The first half of this course is devoted to trigonometry, which is the study of the theories and formulas based on the relationships between the sides and angles of triangles. The second half of the course is pre-calculus. Topics will include: coordinate and analytic geometry, exponents and logarithms, matrices, and other extensions of algebra.

Algebra III: Grade 12 (1 credit-meets daily entire year)

Pre-requisite: Algebra II & teacher recommendation. This course is designed for the college-bound students that are not taking Math Analysis. This will be the study of equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, matrices and determinants, and the conic sections.

Transitional Math: Grade 12 (1 credit-meets daily entire year)

Pre-requisite: Algebra I, Average grade of D or below in Geometry & teacher approval. This course covers a variety of topics from Discrete Mathematics, a branch of mathematics that is extremely useful in business and industrial applications, and may also include units involving issues of money, banking and finance, and data analysis. This course will emphasize functions and mathematical modeling.

Dual Credit Calculus: Grade 12**Weighted Course**

(1 credit & 4 college hours-meets daily entire year) Pre-requisite: Math Analysis or average grade of A in Algebra II & permission of instructor with concurrent enrollment in Math Analysis. This course utilizes concepts learned in Algebra, Geometry, and Math Analysis as tools in a completely different and unique branch of mathematics. Topics covered will include the derivative, curve sketching, maxima and minima, velocity and acceleration, periodic (circular or trigonometric) functions, exponential functions, integration, and logarithms. The use of calculus greatly expands the types of problems that can be worked mathematically and is therefore a key to the study of engineering and advanced science. Each student should have a graphing calculator, such as the TI-nspire (with CAS is suggested but not required). **Tuition fee** set by university and payable by the student.

Dual Credit College Algebra: Grade 12**Weighted Course**

(1 credit & 3 college hours-meets daily entire year) Pre-requisite: Math Analysis or and A- average in Algebra II and be taking Math Analysis concurrently. College Algebra is a study of equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, matrices and determinants, and the conic sections. **Tuition fee** set by university and payable by the student.

SCIENCE

The following courses count as Science credits unless noted

NOTE: Any student that does not pass a Science class must repeat the course or complete the course through credit recovery before moving on to the next course.

Physics & Earth Science: Grade 9 (1 credit-meets daily entire year)

Physics is the study of force, motion and energy. Forces involved in motion, laws of motion and various forms and sources of energy are explored. Earth Science is the study of the Earth's systems. Areas of study include: Earth's atmosphere, weather, Earth's crust, changes that occur in the Earth and human impact on the Earth, along with the universe.

Chemistry: Grade 10 (1 credit-meets daily entire year)

Chemistry is a course designed to help students develop a basic understanding of the composition, structure, and properties of matter and the transformation that they undergo; including the rates, equilibrium, and energy changes associated with chemical reactions. Chemistry contains a laboratory component designed to reinforce concepts from lecture as well as develop proper lab techniques and safety procedures.

Biology: Grade 11 (1 credit - meets daily entire year)

Biology is a course designed to give students a basic knowledge of the science of biology. Topics to be studied include biochemistry, cell structure and function, genetics, and ecology. At the end of the course, students are required to take an End Of Course (EOC) exam that will be worth 10% of their grade. Dissections will occur at the end of the year after the EOC exam.

Anatomy & Physiology: Grades 11-12 (1 elective credit-meets daily entire year)**Weighted Course**

Pre-requisite: Minimum grade of B+ in Biology or Anatomy teacher approval. This course is designed to cover the basics of anatomy and physiology and will include a detailed look into the body's organs and systems. Topics to be studied will include levels of organization, body cell types, and an overview of all the body's tissues, organs, and systems. Dissection is required and will play an important role in this course, especially in the second semester.

AP Chemistry: Grades 11-12 (1 elective credit-meets daily entire year)**Weighted Course**

Pre-requisite: Completion of Chemistry and Algebra II with B average and teacher approval. This is a certified Advanced Placement course taught at a College Preparatory level and to the specification of the College Board. This course is designed to prepare student for the AP chemistry test during the spring semester. Subjects include atomic structure, solution chemistry, acids and bases, chemical equilibriums, solubility, thermochemistry and equilibrium.

Advanced Physics: Grades 11-12 (1 elective credit-meets daily entire year) **Weighted Course**
Pre-requisite: Algebra II and Math Analysis (can take concurrently). Advanced Physics is a course that provides the opportunity to learn about technology and the laws of nature within which technology must operate. This course contains the materials that are found in a typical college Physics course, but at a pace appropriate for high school. A laboratory component of the Physics course will be used to reinforce concepts from the lecture as well as developing observational skills necessary to analyze events of natural occurrences.

SOCIAL STUDIES

The following courses count as Social Studies credits unless noted

NOTE: Any student that does not pass a Social Studies class must repeat the course or complete the course through credit recovery before moving on to the next course.

American History: Grade 9 (1 credit-meets daily entire year)

This course is an in-depth study of the events that have affected the development of the United States from the Reconstruction to the present administration. Students will be responsible for key issues and concepts in the development of the United States and their effect throughout the world.

World History: Grade 10 (1 credit-meets daily entire year)

This course will cover the events of modern history starting with the 1300s and continuing to the present. Examples of these topics include the Renaissance, the Reformation, Enlightenment Period, European monarchies, the French Revolution, the World Wars, and the Cold War. The course will also incorporate the study of American history, geography, and current events in connection with major topics.

American Government: Grade 11 (1 credit-meets daily entire year)

This course will include instruction in the institutions, branches and functions of federal and state governments. Events leading to the development of the US Constitution will also be included. This course will also cover issues with an emphasis on governance systems, basic fundamental economic concepts, and geography. Students must also satisfactorily pass tests over the US and MO Constitutions to be eligible for graduation from high school.

Civil War Period: Grades 11-12 (1/2 elective credit-meets daily one semester)

Students will gain a more in-depth understanding of the Civil War; its causes, major battles, and leaders as their impact divided America.

Law and You: Grades 11-12 (1 elective credit-meets daily entire year)

Topics for class discussion and work will include: Bill of Rights, courtroom procedures, juvenile justice, probation & parole, responsibilities of citizens, police procedures, and crime scene investigations. The coursework will involve a variety of strategies such as labs, guest speakers, cooperative learning, and possibly a field trip. Students will be expected to take a mid-term and a final exam.

Vietnam Era: Grades 11-12 (1/2 elective credit-meets daily first semester)

This course will provide an examination of the Vietnam War by analyzing information from the prewar history of Vietnam to the effects on today's society. This course will examine the French-Indochina War, the American-Vietnam War, the Counter Culture Movement, and the experience of soldiers during the war.

20th Century Media: Grades 11-12 (1/2 elective credit-meets daily second semester)

This course will examine five of the major media that existed during the 20th century: print, radio, film, television, and the internet. This course will analyze the role each of these media has played in shaping the history of the 20th century.

Psychology: Grades 11-12 (1 elective credit-meets daily entire year)

Psychology is the emphasis developing self-awareness through the study of personality, motivation, emotions, and human growth and development. Students also study factors of mental health and theories in the field.

Sociology: Grades 11-12 (1/2 elective credit-meets daily one semester)

This course is a study of human relationships. Various social problems such as education, crime, prejudice, work-place relations, and marriage and the family are considered.

FOREIGN LANGUAGE

The following courses count as elective credits

NOTE: Students planning to attend any University of Missouri System school are required to take two years of a foreign language.

Spanish I: Grades 9-12 (1 elective credit-meets daily entire year)

This course will introduce students to basic vocabulary and grammar, rudimentary communication with learned phrases, and simple questions and answers in Spanish. Students will acquire an understanding of the customs and traditions of the Spanish-speaking world.

Spanish II: Grades 10-12 (1 elective credit-meets daily entire year)

Pre-requisite: Spanish I with a C average. This course is a continuation of Spanish I, emphasizing the ability to narrate events in the past. Students will increase and improve their reading, writing, listening, and speaking skills in Spanish.

Spanish III/Dual Credit Spanish 101: Grades 11-12

Weighted Course

(1 elective credit & 4 college hours-meets daily entire year) Pre-requisite: 3.0 GPA and B average in Spanish II. This is a continuation of Spanish II with an emphasis on obtaining advanced skills and specific knowledge of oral and written language. This course will focus on use of different tenses such as past, imperfect, and future. **Tuition fee** set by university and payable by the student in August.

Spanish IV/Dual Credit Spanish 102: Grade 12

Weighted Course

(1 elective credit & 4 college hours-meets daily entire year) Pre-requisite: 3.0 GPA and B average in Spanish III. This is a continuation of Spanish III with a greater emphasis on obtaining advanced skills and specific knowledge of oral and written language. This course will further focus on use of different tenses and moods such as imperfect, future, conditional, subjective and imperative. **Tuition fee** set by university and payable by the student in August.

HEALTH/PHYSICAL EDUCATION

The following courses count as PE or elective credits.

NOTE: All 9th grade students must enroll in Health and one semester of PE. Besides Health, each of these classes can be repeated for elective credit. Students may enroll in only one PE course per semester.

Health: Grade 9 (1/2 credit-meets daily one semester)

This health course is designed to meet the needs of the high school student in the areas of mental, emotional and physical well-being and safety. This course includes an emphasis on healthy life styles and prevention of substance abuse, at-risk sexual behavior, STDS, AIDS, communicable diseases and pregnancy. Other topics include: nutrition, decision-making, injury prevention and wellness.

Physical Education: Grades 9-12 (1 credit-meets daily entire year)

This course is designed to help students develop many aspects of life. Through team sports students will have the opportunity to learn and develop responsibility, leadership, cooperation, competitiveness, sportsmanship, and proper hygiene and hopefully instill an appreciation for and a desire to exercise and have fun. Students will also have the opportunity to learn knowledge and fundamental skills of various team sports. Activities include: physical fitness testing, basketball, volleyball, softball, soccer, team handball, floor hockey, and flag football. Students must dress appropriately, participate in a positive manner, and complete written and skills tests.

Aerobics: Grades 10-12 (1 credit-meets daily entire year)

This class is structured to emphasize total body fitness, specifically in the areas of cardio respiratory and strength improvement. Aerobic conditioning will utilize various activities, such as: jogging/walking up to 2 miles per conditioning session, aerobic dance, step, circuit training and toning exercises. Strength conditioning will be developed using various types of weightlifting programs. General health topics will also be covered throughout the semester.

Weight Training & Conditioning: Grades 10-12 (1 credit-meets daily entire year)

This course is designed to teach the student about basic weight training techniques, principles and lifts. Students identify muscles and their location along with proper safety procedures. The course also covers nutrition, flexibility, and body composition. Students are graded on participation, written and fitness tests.

Advanced Weight Training & Conditioning: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Varsity level athlete and teacher approval. This course is designed to give students the opportunity to learn advanced weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from advanced methods of comprehensive weight training, aerobics, plyometrics, agility training, flexibility training, and running activities.

FINE ARTS

The following courses count as fine art or elective credits.

Band: Grades 9-12 (1 credit-meets daily entire year)

Prerequisite: previous band experience and/or permission of director. This course is designed to help students further develop playing skills and increase musical knowledge. Through band class, students are given the opportunity to develop responsibility, cooperation, commitment and leadership. Marching band students will be required to purchase shoes and gloves (band uniform provided). Students are also expected to have concert band attire as prescribed by the director. Students using any school equipment will be required to pay a rental fee. This class requires time outside of the school day for practices and performances.

Color Guard: Grades 9-12 (1/2 credit-meets daily first semester)

Prerequisite: audition required. This course is designed for students interested in further developing color guard skills. Through color guard, students are given the opportunity to develop responsibility, cooperation, commitment and leadership. Students are required to purchase shoes, uniform and equipment. This group is part of the high school marching band which requires time outside of the school day for practices and performances.

Drama: Grades 9-12 (1 credit-meets daily entire year)

This course will introduce students to the basics of dramatic elements, stage direction, voice and movement, characterization, and acting. Reading and evaluating plays will be integrated with practical hands-on experience. Participation in Drama Club activities is encouraged, and students usually attend at least one class field trip to a play or musical. Students will learn stage design and drafting as well as basic use of sets and props for the yearly play or musical.

Studio Art I: Grades 9-12 (1 credit-meets daily entire year)

This is a foundation/prerequisite course for all other art courses at the high school level. Special attention is given to the acquisition of basic elements and principles in the visual arts. Students will work with a variety of media, subjects and styles. Art history, criticism and aesthetics are also included in the course curriculum. A \$10 course fee may be charged for consumable materials.

Studio Art II: Grades 10-12 (1 credit-meets daily entire year)

Prerequisite: B- in Studio I. This course is designed for students with an interest and desire to work in the studio arts and to continue and build upon the skills that were acquired in Studio I. Students will work on developing a personal style through the creation of projects in multiple mediums. Art history, criticism and aesthetics are also included in the course curriculum. A \$10 course fee may be charged for consumable materials.

Studio Art III: Grades 11-12 (1 credit-meets daily entire year)

Prerequisite: B- in Studio II AND teacher approval. This course is designed for students with an interest and desire to work in the studio arts and to continue and build upon the skills that were acquired in Studio I and Studio II. Students will work on further developing a personal style through the creation of projects in multiple mediums. Art history, criticism and aesthetics are also included in the course curriculum. A \$10 course fee may be charged for consumable materials.

Studio Art IV: Grade 12 (1 credit-meets daily entire year)

Prerequisite: B- in Studio III AND teacher approval. This course is designed for seniors with an interest and desire to work in the studio arts and to continue to build upon the skills that they have acquired in prerequisites and electives prior to this class. Students will work on further developing a personal style through the creation of projects in multiple mediums. Art history, criticism and aesthetics are also included in the course curriculum. A \$10 course fee may be charged for consumable materials.

Drawing: Grades 10-12 (1/2 credit-meets daily first semester)

Pre-requisite: B- in Studio Art I or teacher approval. This course is designed for students interested in furthering their skills in two dimensional drawing mediums such as charcoal, graphite, pastel, etc. Subject matter will vary and may include portraiture, still-life, non-objective art, etc. A \$10 course fee may be charged for consumable materials. This course may be repeated as Drawing II.

Painting: Grades 10-12 (1/2 credit-meets daily second semester)

Pre-requisite: B- in Studio Art I and/or teacher approval. This course is designed for students interested in furthering their skills in painting. Students will work primarily with acrylic paint and occasionally watercolor and/or oil. Subject matter will deal primarily with direct observation in still-life, portraiture, and landscape. Art history and the study of the master painters will also be part of this class. A \$10 course fee may be charged for consumable materials. This course may be repeated as Painting II.

Graphic Design: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: B- in Studio Art I or teacher approval REQUIRED. This course is designed for students interested in the field of graphic design. Through the use of design software as well as hand crafted studio design, students will create projects with direct relation to today's graphic design field. Students can expect to delve into the areas of advertising, package design, logo design, etc. Individual presentation is a large part of this class as well. This course may be repeated as Graphic Design II.

NOTE: All choir students are required to comply with the choral department handbook while enrolled in their respective choir. All choir students are required to perform in all scheduled school concerts and performances. **REQUIRED PERFORMANCE DATES WILL BE DISTRIBUTED AT THE BEGINNING OF THE YEAR. IF YOU HAVE ANY CONFLICTS IMMEDIATELY CONTACT THE INSTRUCTOR!** Students are expected to commit to the course for full school year. Any student wanting to enter or exit a choir class in the mid- year must get the director's approval. **Students are only allowed to enroll in up to two (2) choir courses per year unless otherwise approved by the instructor.**

Intro to Music: Grades 9-12 (1 credit-meets daily entire year)

This is a full year course in which students learn how music affects their daily lives, the culture of our country and other nations worldwide, and events in world history. Along with aspects of a typical music appreciation class, students will work on fundamentals of singing technique and prepare two songs to perform at the concert at the end of the school year. Students should be ready for classroom participation, reading assignments, quizzes, group projects, and individual papers/projects. This course is not intended for current band or choir students..

Women's Choir: Grades 9-12 (1 credit-meets daily entire year)

This course is open to any female student interested in music and singing. Studies include a wide range of music including, but not limited to: Motown, Madrigal, Classical, Pop, and other treble concert styles. All music selected will enable students to learn singing techniques and music fundamentals. All students will be required to pay a rental charge for use of a school choir robe. This course may be repeated.

Men's Choir: Grades 9-12 (1 credit-meets daily entire year)

This course is open to any male student interested in music and singing. Studies include a wide range of music including, but not limited to: 40's-60's Do-Wop, Barbershop, Madrigal, Classical, A cappella, Pop, and other men's concert styles. All music selected will enable students to learn singing techniques and music fundamentals. All students will be required to pay a rental charge for use of a school choir robe.

Concert Choir: Grades 9-12 (1 credit-meets daily entire year)

Pre-requisite: Audition Required. This course is for music students who are serious about developing musical performance skills. The members are taught a well rounded appreciation for Madrigal, Classical, Jazz, Do-Wop, Pop and many other choral music styles. Advanced musical skills, knowledge, and attitudes are taught as well as responsibility, dedication, and commitment. Each year there will be competitions and rehearsals that take place outside of the school day, students will receive this information before auditioning/enrolling. Students will be required to pay a rental/purchase fee to the department for the use of their uniform and purchase other essential items for performance. This course may be repeated.

Chamber Choir/Ovation: Grades 9-12 (1 credit-meets daily entire year)

Pre-requisite: Audition Required. This course is composed of a limited amount of singers balanced over 4-8 parts. Advanced musical skills, knowledge, and attitudes are taught as well as responsibility, dedication, and commitment. Students should be ready for challenging choral material. Each year there will be competitions and rehearsals that take place outside of the school day, students will receive this information before auditioning/enrolling. Students will be required to pay a rental fee to the department for the use of their uniform and purchase other essential items for performance. This course may be repeated.

BUSINESS, TECHNOLOGY, AND MARKETING

The following courses count as practical art or elective credits

Computer Applications: Grades 9-12 (1 credit-meets daily entire year)

This course is offered to students who want to expand their knowledge and skill in the use of the computer. You will learn to keyboard by touch (use correct fingers and not watch your hands); format a variety of documents including memos, letters, reports, and tables; create spreadsheets, charts, and graphs; produce eye-catching documents using basic desktop publishing techniques; produce presentations using text and graphics; and use the internet safely and efficiently.

Business Technology: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Computer Applications. Students will learn the basics about computers and software.

Also, students will be interactive with software on the Internet and manage their time accordingly. This class will use SAM software to teach the office package and E-Companion for assignments and testing.

This course can be taken for dual credit through NWMSU for students with a 21 or higher ACT score.

Tuition fee set by university and payable by the student. NOTE: The dual credit course is weighted.

Multimedia: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Computer Applications. Students will combine text, graphics, video, and sound using computer technology to produce multimedia projects. Students will learn the basics of photo-editing, animation, web design, and video-editing software and will follow guidelines for appropriate Internet use.

Accounting I: Grades 10-12 (1 credit-meets daily entire year)

Knowledge of accounting is useful to anyone in a business-related occupation as well as for personal business. Topics include: recording business transactions, preparing financial reports, banking, payroll procedures, and computerized accounting.

Accounting II: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Accounting I. This course expands on topics introduced in Accounting I while adding new topics about management accounting, cost accounting, not-for-profit accounting, and financial analysis.

Desktop Publishing: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Computer Applications. Students will use desktop publishing software to create visual communications for professional or desktop printing. Students will learn elements of design to create attractive, eye-catching publications; create school-related documents (flyers, programs, tickets); and design commercial documents (brochures, magazines, menus, invitations, certificates, business cards, etc.)

Personal Finance: Grades 11-12 (1/2 personal finance credit-meets daily one semester)

This course is designed to teach students how to manage their finances while in high school and prepare them for financial success after graduation. The course covers four main categories: income, money management, spending and credit, and saving and investing. Students will research careers, create a personal budget and complete checking account simulations, as well as many other activities.

Fundamentals of Marketing: Grades 9-12 (1 credit-meets daily entire year)

This class provides students with the basic skills required in the field of marketing. Course material deals with basic marketing concepts, communication, economics, human relations, sales promotion, advertising, and selling. Students are encouraged to take an active part in the DECA Chapter.

Sports & Entertainment Marketing: Grades 10-12 (1/2 credit-meets daily first semester)

This course will help students develop a thorough understanding of the marketing concepts and theories that apply to sports, sports events, and entertainment events. The areas this course will cover include basic marketing, promotions, sponsorship proposals, and implementation of sports marketing plans. This course will also delve into promotional plans, sports and entertainment marketing plans, and event evaluation and management techniques. Students are encouraged to take an active part in the DECA Chapter.

Entrepreneurship: Grades 10-12 (1/2 credit-meets daily second semester)

This class provides students with the basic principles necessary to plan, research, and formulate and actual business plan. Students are encouraged to take an active part in the DECA Chapter.

Dual Credit Business Ownership & Management: Grades 11-12 **Weighted Course**

(1/2 credit & 3 college hours-meets daily one semester) Pre-requisite: 3.0 GPA. This course prepares students to undertake the formation and operation of small business enterprises (including franchise operations) for the purpose of marketing a product line or service, with emphasis given to the management, social responsibilities, legal requirements and risks involved in the conduct of private enterprise. **Tuition fee** set by university and payable by the student.

Advanced Marketing: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Fundamentals of Marketing, Entrepreneurship, or Sports & Entertainment Marketing. This class is for the advanced study of marketing skills, management, business ownership, international marketing, employee relations, and distribution processes. Employment is not required for this class. Students are expected to take an active part in the DECA Chapter.

Marketing Internship: Grade 12 (1-2 credits per year)

Pre-requisite: Fundamentals of Marketing, Sports & Entertainment Marketing, or Entrepreneurship, must take Advanced Marketing concurrently, and teacher approval (based on attendance and discipline record).

This course offers students the opportunity to receive credit for hours worked at their place of employment. Students must work a minimum of 10 hours per week to earn one credit and twenty hours to earn two credits. Depending on the amount of hours worked, these students may leave school during 7th or 8th hour. Students **MUST** be in attendance at school in order to receive credit for work on days when school is in session.

FAMILY AND CONSUMER SCIENCES

The following courses count as practical art or elective credits

Career & Family Leadership: Grades 9-12 (1 credit-meets daily entire year)

This comprehensive instructional program describes the general study of family and consumer sciences, including how individuals develop and function in family, work and community settings and how they relate to their physical, social, emotional and intellectual environments. Career exploration and its impact on families are key components.

Foods & Nutrition: Grades 10-12 (1 credit-meets daily entire year)

This course prepares students to understand the principles of nutrition and the relationship of nutrition to health and well being; to analyze the influences on food choices; to practice the selection, preparation, and handling of food; and to apply the optimal use of resources in the preparation of food. Math, science and technology skills will be reinforced.

Parenting & Child Development : Grades 10-12 (1 credit-meets daily entire year)

This class explores the process of child development: how children grow from conception through infancy, including pregnancy and prenatal care. It also explores parenting decisions and how adults and caregivers provide for and influence the children in their lives. Other topics include: male/female reproduction, contraceptives, and teen pregnancy. Opportunities will be provided to observe and/or interact with children at the district's childcare center.

Family Living: Grades 11-12 (1/2 credit-meets daily first semester)

This class provides study in the challenges and rewards of marriage throughout the family life cycle. Some topics to be covered include: human sexuality, preparation for marriage, engagement and wedding, marriage adjustments and crises, divorce and remarriage, aging and death.

Housing & Design: Grades 11-12 (1/2 credit-meets daily second semester)

This course is an instructional program that describes the study of the behavioral, social, economical, functional, and aesthetic aspects of housing, interiors, and other built environments. It includes instruction in analyzing, planning, designing, and furnishing residential, work, and leisure spaces to meet user needs.

AGRICULTURE

The following courses count as practical art or elective credits

Agricultural Science I: Grades 9-12 (1 credit-meets daily entire year)

Basic introduction to the field of Agriculture with emphasis on animals, leadership, careers, record keeping, agricultural business, and shop work (woodworking, ARC welding, and power tools).

Agricultural Science II: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Ag Science I. Major emphasis on plants and soils with continued education in leadership, records, careers, and shop work (Oxy-Acetylene, tool sharpening, material selection, plan reading, and project construction).

Greenhouse Operation Management: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Ag Science II. This course deals with the basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate these procedures. Plants are started from cuttings, seeds, grafts, or by layers. Students will manage their own crops as a greenhouse project. The class will also include a study of soils and fertilizers, continued education in leadership, record keeping and greenhouse safety. NOTE: An articulation agreement has been made between OHS and Longview Community College. Students who take this course will receive up to 6 hours of elective credit in the Longview Turf Management Program for the course: AGBS 153: Special Topics in Horticulture.

Agribusiness Sales & Marketing: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Ag Science II. This course deals with human relations, personal inventory, careers in selling, and other experiences necessary for employment on agribusiness's engaged in marketing, purchasing and storing, grading, and transporting supplies and products. It also continues education in leadership and record keeping. NOTE: This course is offered during odd numbered school years (example=2010-2011, 2012-2013, etc.)

Agriculture Management & Economics: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Ag Science II. This course is a combination of farm management and agribusiness content based on agriculture economic principles. Computer applications are included to enhance student understanding and utilization of current technology. Units include human relations, verbal and written communication, microcomputers in agriculture, economic principles, farm planning, agribusiness functions and business management. NOTE: This course is offered during even numbered school years (example=2011-2012, 2013-2014, etc.)

Agriculture Construction: Grades 11-12 (1/2 credit-meets daily first semester)

Pre-requisite: Ag Science II. This course focuses on ARC, MIG, and Acetylene Welding. After students have mastered all welding positions they will be allowed to construct a project of their choice. There is also continued education in leadership, record keeping, and shop safety.

Agriculture Structures: Grades 11-12 (1/2 credit-meets daily second semester)

Pre-requisite: Ag Science II. This course focuses on constructing buildings, planning water systems, building fences, and some electrical wiring. There will be time spent in the shop on project construction, applying what has been learned in the classroom. There is also continued education in leadership, record keeping, and shop safety.

Supervised Agriculture Experience: Grade 12 (1 or 2 credits per year)

Pre-requisite: Ag Management & Economics or Ag Sales & Marketing (can take concurrently) & teacher approval (based on attendance). This course will provide the student with the opportunity to learn employment skills while on the job. Students must work a minimum of 10 hours per week to earn one credit and twenty hours to earn two credits. Depending on the amount of hours worked, these students may leave school after 6th or 7th hour and must be enrolled in a five or six credit earning courses. Students MUST be in attendance at school in order to receive credit for work on days when school is in session. Employer and instructor will determine grades.

INDUSTRIAL TECHNOLOGY

The following courses count as practical art or elective credits

Note: Each of the following courses requires a \$20 shop fee per each class and may include additional fees for project materials.

Materials & Processing: Grades 9-12 (1 credit-meets daily entire year)

Students will be expected to make core projects in metalworking, woodworking, drafting and a mass production project while learning the materials and processes in each unit. One section of this course will be for girls only.

Mechanical & Architectural Design: Grades 10-12 (1 credit-meets daily entire year)

Students will learn the basics of drafting and design. The students will use both hands-on and computer skills to help with the design process in mechanical and architectural units. Various computer programs such as Rhinoceros, Autosketch and 3D Home Architect will be utilized to complete drawings such as orthographic projections, 3D models, residential floor plans, etc. The class may also compete in a high mileage competition during the Spring semester. This course may be repeated with teacher's approval.

Engineering Design I/II: Grades 10-12 (1 credit-meets daily entire year)

Engineering Design offers students the opportunity to apply knowledge and skills required to create/transform ideas and concepts into a product that satisfies specific customer requirements. Students will experience design engineering in the creation, synthesis, iteration and presentation of design solutions. This course will maintain a focus on how engineers apply their creativity, resourcefulness, mathematical, scientific, and technical knowledge and skills in the creation or refinement of technological products/systems. A key approach will be the employment of a sophisticated, sequential, and iterative design and development process to solve authentic engineering tasks/problems.

Woodworking Technology: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: C average in Materials & Processing. Students will learn fundamental woodworking skills and terminology. Safety procedures will be stressed. Students will construct their own projects and the projects will vary depending on what level you are in. Students will also have the opportunity to take projects to woods contest in the Spring semester. This course may be repeated as Woods II/III with teacher's approval.

Construction Technology: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: C average in Materials & Processing. Students will go thorough various units including: safety, electrical, plumbing, roofing, concrete and framing. Students will learn aspects of being a contractor such as writing work reports, work contracts and bills. The students will be constructing sheds and other various projects.

OTHER

The following courses count as practical art or elective credits unless noted

A+ Tutoring: Grade 12 (No (0) credit-meets daily one semester)

Pre-requisite: 2.5 GPA minimum, 95% cumulative attendance, signed A+ agreement, in good standing with regards to A+ citizenship guidelines, and have attended an A+ certified school for three consecutive school years prior to graduation. In an attempt to help A+ students reach the A+ Program tutoring requirement of 50 hours, OHS allows qualified students to tutor for one class period during one semester. This tutoring must be completed in an academic subject area at an Odessa R-VII School and supervised by a district employee.

Cadet Teaching: Grade 12 (1/2 credit-meets daily one semester)

Pre-requisite: 3.0 GPA & membership in FEA. This experience is an outgrowth of Future Educators of America (FEA), an organization promoting leadership and support for teacher education. This program provides students considering teaching as a career with hands-on experience. Students will assist with the instruction of students in the elementary or middle school and are also responsible for keeping daily logs. NOTE: This course is Pass/Fail and does not count towards GPA quality points.

Library Aide: Grades 11-12 (1/2 or 1 credit-meets daily one semester or entire year)

Pre-requisite: Application, 2 teacher recommendations, 2.75 GPA. Duties while working as a library aide include checking library materials in and out, shelving library materials, assisting teachers and students in finding materials, straightening and keeping materials in order and processing new books and periodicals. NOTE: This course is Pass/Fail and does not count towards GPA quality points.

Parenting Lab: Grades 9-12 (1/2 credit-meets daily one semester)

Pre-requisite: Must be a parenting teen. This course is required of all parenting teens with children placed in the Odessa R-VII Childcare Program. Students will be able to visit the childcare facility to observe their child and learn information about their child's development. NOTE: This course is Pass/Fail and does not count towards GPA quality points.

College Release: Grades 11-12 (1-3 credits per year)

This option is available for students who will be taking college courses (not including DC/ITV courses offered at OHS) prior to graduation. Eligible students must meet the following criteria: 3.0 GPA minimum; enrolled in a college level course that is not similar to a course available at OHS (unless there is a scheduling conflict); complete an application in the Counselors' office and submit proof of college enrollment and course description(s). Students enrolled for 3 college hours will receive up to 2 hours of college release credit; students enrolled in 5+ college hours will receive up to 3 hours of college release credit. It is the full responsibility of the student to choose and apply to the college, enroll in classes, and to provide a copy of their grade card in order to receive credit. If the student withdraws or fails the college course, no credit will be given and an "F" will be placed on the student's transcript for the course taken.

LEX-LA-RAY TECHNICAL CENTER

The following courses count as practical art and elective credits unless noted

Each school within the Lex-La-Ray Vocational Technical District is allotted slots based on student enrollment. Students must complete an application and interview process. Selection of students will be based on attendance, grades, personal conduct, and career goals. All vocational programs are two years in length with the exception of Health Occupations which may be taken as a one year program. After the completion of any two year program, students will receive one Language Arts credit and one Math credit.

Automotive Technology: Grades 11-12 (3 credits-meets daily entire year)

Instruction will include understanding and repairing all major systems of the automobile. Students will work with a computerized 4-wheel alignment system, a Hunter front-end alignment system, electronic and computerized ignition diagnostic equipment, a Coats 4040SA tire changer, AMOCO brake lathe, starter and alternator test bench, and a computerized wheel balancer.

Building Trades: Grades 11-12 (3 credits-meets daily entire year)

Students build a house over a two year period. This includes learning blueprint reading, use of hand/power tools, building mathematics, planning and layout, framing, roofing, exterior trim and finishing building materials and cabinet making. The cabinet making shop includes power shapers, planers, routers, jointers, band saws, lathes, disk sanders, drum sanders, and a wide range of hand tools.

Collision Repair Technology: Grades 11-12 (3 credits-meets daily entire year)

Students will receive training in all phases of collision repair including the science of Unibody repair and paint and plastics technology. Students learn steel and sheet metal repair, glass replacement, painting and refinishing, fiberglass and plastic repair, unitized body sectioning, body filling techniques and surface preparation.

Computer Maintenance & Networking: Grades 11-12 (3 credits-meets daily entire year)

Pre-requisite: Computer Applications. This course offers students the opportunity to acquire skills and knowledge in computer networking, applications and support. Student's work with peers and mentors from industry to design, build and maintain local and wide area networks. They also provide computer training and support for staff and students. Students will have the opportunity to troubleshoot and repair computer software and hardware problems; install and configure computer hardware and software; diagnose and resolve printer problems; staff the computer help desk to provide computer support. The nature of this class will require strong communication skills and the ability to work in a team. Students may be asked to travel off campus to other schools to perform computer support services during and after regular class hours.

Early Childhood Professions: Grades 11-12 (3 credits-meets daily entire year)

The Child Care Program will prepare students for entry into the workforce or college degree program to pursue a care as an early childhood professional. The course is structured around the Child Development Associated (CDA) national credentialing program. Students will acquire skills in child growth and development, nutrition, program planning and management, safety, behavior, guidance, recreations and play activities, child abuse and neglect, parent-child relationships, learning experiences for children and maintenance of children's environments. Laws, regulations and policies related to child care services and maintenance of children's environments will be covered. Students will have the opportunity to apply skills learned in lab setting through observation/participation in public schools and day care centers.

Health Occupations: Grades 11-12 (3 credits-meets daily entire year)

Students cover the basic principles of anatomy and physiology. Students are also trained in skills involving patient care and emergency procedures. Starting during the second half of the first year, students will spend 3 class periods per week in a health occupation setting such as a dental office, hospital, nursing home, day care center, ambulance crew, home health agency, or veterinarian service.

Industrial Welding: Grades 11-12 (3 credits-meets daily entire year)

Instruction is in the basic types of welding including: stick, electrode, MIG, TIG, and oxyacetylene welding, brazing, and cutting. These methods of welding are then applied to the two basic types of welding industries, which are fabrication of new products and materials and the repair of existing products and materials. Blueprint reading and metallurgy are taught to supplement the student's industrial welding skills.

SUMMIT TECHNOLOGY ACADEMY

The following courses count as practical art and elective credits unless noted

Each school within the Summit Technology Academy District is allotted slots based on student enrollment. Selection of students will be based on application, attendance, grades, personal conduct, and career goals.

IT Essentials: Grades 11-12 (1.5 credits-meets daily first semester)

Pre-requisite: 2.0 GPA & C average in Algebra I. Students learn the functionality of hardware and software components, as well as, best practices in maintenance and safety issues. The students, through hands-on activities and labs, learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. Students will also be introduced to the fundamentals of programming. This course helps students prepare for the CompTIA A+ certification. This course is currently taught as part of our Cisco Networking Academy and will utilize online curriculum provided by Cisco Systems and sponsored by Hewlett-Packard Company. NOTE: This course has a dual credit option through Metropolitan Community Colleges

Networking Essentials: Grades 11-12 (1.5 credits-meets daily second semester)

Pre-requisite: C average in IT Essentials. This course is an intensive introduction to computer networking, as well as, multi-user, multi-tasking network operating systems. Students will explore a variety of topics including installation, configuration, and troubleshooting basic networking hardware, protocols, and services. Students will also be introduced to programming for networks. This course helps students prepare for the CompTIA Server+ certification. This course is currently taught as part of our Cisco Networking Academy and will utilize online curriculum provided by Cisco Systems and sponsored by Hewlett-Packard Company. NOTE: This course has a dual credit option through Metropolitan Community Colleges.

Advanced Network Administration/Cisco Academy: Grade 12 (3 credits-meets daily entire year)

Pre-requisite: C average in Networking Essentials or instructor approval. Students will acquire the skills necessary to select, connect, configure and troubleshoot various Cisco networking devices in a hands-on LAN/WAN networking environment. This course covers topics on extending switched networks with VLANs, determining IP routes, managing IP traffic with access lists (firewalls), establishing point-to-point connections, and establishing frame-relay connections. This course prepares students for Network+ and Cisco Certified Network Associate (CCNA) certificates. This course would be recommended for students with an interest in computer and network engineering, network design and/or information technology. NOTE: This course has a dual credit option through Metropolitan Community Colleges.

Digital Media Technology: Grades 11-12 (3 credits-meets daily entire year)

Pre-requisite: 2.0 GPA, C average in Algebra I, and 1 fine art credit. Students will focus on audio production technologies including, sound generation, studio recording, and live sound reinforcement. They will work in teams to integrate music, graphics, and video technologies in entrepreneurial projects for school and communities. This course prepares students for careers in digital media and communications industries.

Digital Electronics PLTW: Grades 11-12 (3 credits-meets daily entire year)

Pre-requisite: 2.0 GPA & C average in Algebra I. This course is in applied logic that gives students the opportunity to learn how computers/logic circuits think and control the work around us. Computer simulation software is used to design and test digital circuitry prior to the actual opportunity to learn everything from basic electronic circuit design, logic circuit design, all the way up to microcontrollers, which includes robot applications. NOTE: This course has a dual credit option through Metropolitan Community Colleges.

Engineering Design & Development: Grade 12 (3 credits-meets daily entire year) **1 Weighted Credit**

Pre-requisite: B average in Algebra II or Physics. This is an engineering research course in which students work on two major engineering projects as well as a research topic during the year. During the fall semester the students work on an open-ended EDD problem that they research, design, and devise a solution. During the second semester, students work in teams to research, design, and construct a solution to an open-ended engineering problem through the Lee's Summit Public Works Department. Students apply principles developed in the four preceding courses, learn advanced physics applications, and are guided by an engineering mentor. They must present progress reports, submit a final written report, and defend their solutions to a panel of outside reviewer at the end of the school year. NOTE: This course has a dual credit option through University of Missouri-Kansas City.

Principles of Biomedical Science/Human Body Systems: Grades 11-12

(3 credits-meets daily entire year) Pre-requisite: 2.0 GPA & C average in Algebra I. This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Student work involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Key medical concepts are imbedded in the curriculum along with community medical experiences. Engineering principles including: the design process, feedback loops, fluid dynamics, and the relationship of structure to function of the human body are incorporated into the curriculum. Students will use the Lab-View software to design and build systems to monitor body functions. The course is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundations necessary for student success in the medical field. NOTE: This course has a dual credit option through Metropolitan Community Colleges.

Medical Interventions/Science Research: Grade 12 (3 credits-meets daily entire year)

Pre-requisite: 2.0 GPA, Principles of Biomedical Science or advanced coursework in Biology, Chemistry, or Anatomy and Physiology with instructor approval. Medical practice includes a wide range of interventions to treat disease and maintain health. Student projects will investigate various medical interventions that extend and improve the quality of life including: gene therapy, pharmacology, surgery, prosthetics, rehabilitation and supportive care. Students will study the design and development of various medical interventions including vascular stents, cochlear implants, and prosthetic limbs. They will investigate the history of transplants, gene therapy, and current cutting edge developments in medicine. The student will work with a community mentor to conduct their research and defend their research conclusions to a panel of outside reviewers.

Pre-Professional Nursing: Grade 12 (3 credits-meets daily entire year)

Pre-requisite: 2.0 GPA, C average in Algebra I, Biology, and Chemistry, background check and TB test required. This course is designed to prepare senior students who have identified nursing as a clear career goal, for a collegiate registered nursing program. Students will spend a portion of their class time in a local hospital and in a clinical skills lab. Major units of study include health care exploration, pharmaceutical math, CPR/First Aid, HIPPA, clinical practice, and medial ethics. Students will learn to use APA style in the production of research papers and projects. NOTE: This course has a dual credit option through Metropolitan Community Colleges and University of Central Missouri.

NOTES

Odessa High School

Four-Year Plan of Study

Student Name: _____

Graduation Year: _____

Grade 9

College Prep LA I

Math _____

American History

Physics/Earth Science

Health/Physical Education

Grade 10

Col Prep LA II/Honors LA II

Math _____

World History

Chemistry

Grade 11

Col Prep LA III/Honors LA III

Math _____

American Government

Biology

Public Speaking/Personal Finance

Grade 12

LA Course _____

Math _____

Summer School Courses (optional)

The Sixteen Career Clusters

Check one:

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V & Communications
- Business, Management & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Correction & Security
- Manufacturing
- Marketing, Sales & Service
- Science, Technology, Engineering & Math
- Transportation, Distribution & Logistics

Graduation Requirements – 26 credits

Language Arts	4
Math	4
History	3
Science	3
P. E.	1
Health	1/2
Public Speaking	1/2
Personal Finance	1/2
Fine Art	1
Practical Art	1
Electives	7 1/2

ODESSA HIGH SCHOOL SPORTS, CLUBS, & ORGANIZATIONS

Football-Dan Joiner, Head Coach
Volleyball-Amber Barkley, Head Coach
Cross Country-Zach Meler, Head Coach
Softball-Tia Saxon, Head Coach
Tennis (Girls)-Allan Twilligear, Head Coach
Golf (Girls)-Chad Meyer, Head Coach
Basketball (Boys)-Philip Courter, Head Coach
Basketball (Girls)-Roger John, Head Coach
Wrestling-Roger Offield, Head Coach
Baseball-Kerry Shaw, Head Coach
Track-Allan Twilligear, Head Coach
Tennis (Boys)-Kyle Barkley, Head Coach
Golf (Boys)-Chad Meyer, Head Coach
Trapshooting-Jacque Henning, Head Coach
Dance-Kristi Gudde, Head Coach
Cheerleading: Lindsay Chambers, Head Coach Julie Whitaker, Fall Coach Kaley Chadwick, Winter Coach Amanda Wallace, JV Coach
Instrumental Music-Grant Maledy, Director
Color Guard-Brian Penny, Sponsor
Vocal Music-Scott Harvey, Director
Drama-Sarah Esser, Sponsor

A+ Program-Ashley Ray, Coordinator
Student Council-Terry Stever, Sponsor
History Club-Terry Stever, Sponsor
Spanish Club-Kelly Ogle, Sponsor
DECA-Jessica Wade, Sponsor
Art Club-Andrea Grass, Sponsor
Quiz Bowl-Kris Poisal, Sponsor
Journalism-Kris Poisal, Sponsor
Guardian Angels Melissa Livengood, Sponsor
Debate-Sarah Esser, Sponsor
National Honor Society (NHS) Deborah Cox, Sponsor Kris Poisal, Sponsor
Future Educators of America (FEA) Carrie Begemann, Sponsor
Future Business Leaders of America(FBLA) Deborah Cox, Sponsor Julie Whitaker, Sponsor
National FFA Organization Bill Angel, Sponsor
Future Career & Community Leaders of America (FCCLA)-Tricia Ward, Sponsor
Technology Students Association (TSA) Jason Rathert, Sponsor

Extracurricular activities are an important part to a student's overall high school experience. Any student interested in participating in any of the above activities should contact the coach or sponsor for further information.