



LOGAN-MAGNOLIA

2023-2024

COURSE DESCRIPTION BOOK

Table of Contents

Advanced Placement (AP) Courses	10
Classification of Students	3
Course Offerings:	
Art	12
Business	13
Computer Science	16
Dual-Credit	44
English Language Arts	17
Family & Consumer Science	20
Health Science	23
Industrial Technology	23
Lifetime Fitness	28
Mathematics	30
Miscellaneous	42
Music	34
Science	36
Social Studies	38
World Language	41
Edgenuity Course Guideline	10
Four-Year Planning Worksheet	46
Graduation Requirements & Sequencing	3
Open Campus	10
Post-Secondary Planning	11
Senior Year Plus Program	7
Weighted Courses & Grade Point System	44

CLASSIFICATION OF STUDENTS

Students at Logan-Magnolia High School shall be classified at the beginning of each school year as follows:

- Freshmen: 0-12 credits
- Sophomores: 13-25 credits
- Juniors: 26-33 credits
- Seniors: 33 or more credits

GRADUATION REQUIREMENTS

The following is a guide meant to assist students and parents during the course selection and registration process for the 2023-24 school year. This course description book identifies and explains grade-level requirements and graduation requirements and also points out the many electives available. Students must successfully complete each level sequentially, unless an exception is noted.

Please read through this course description book carefully before you begin selecting courses. It is important for you to understand all of the options available to you now, as well as in future grade-levels.

Students who graduate from Logan-Magnolia must earn 50 credits for graduation (31 core credits and 19 elective credits). The 31 core credit requirements are:

- **8 semesters of English**
Students completing English 9 in 8th grade will be required to complete four years of English in high school. The credits earned in junior high will count as elective credits.
- **8 semesters of Mathematics**
Students completing Algebra I in 8th grade will be required to complete four years of Math in high school. The credits earned in junior high will count as elective credits.
- **6 semesters of Science**
- **6 semesters of Social Studies**
- **1 semester of Health**
- **1 semester of Freshman Seminar**
- **1 semester of Senior Seminar**

CORE COURSEWORK SEQUENCING

The charts below break down course sequencing for each content area. Graduation requirements are indicated with double asterisks (**). In most situations, students must complete the levels sequentially, completing one course at each level before progressing to the next level. More descriptive details about specific course prerequisites can be found in the course descriptions.

English Sequence (8 credits)

Required courses indicated with **

Level 1

- **English 9 (2)
- British Literature (1)
- Independent Reading (1)
- Journalism I (2)
- Theater (1)

Level 2

- **English 10 (2)
- Journalism II (2)

Level 3

- **English 11 (2)
- AP Literature (2)
- **Speech (1)

Level 4

- College Composition (1)

Math Sequence (8 credits)

Students should complete at least one course Level 3 or higher before graduation, indicated with **

**Level 1

- Tiered Algebra (2)
AND/OR
- Algebra I (2)

**Level 2

- Geometry Concepts (2)
OR
- Geometry (2)

**Level 3

- Algebra II Concepts (2)
OR
- Algebra II (2)

Level 4A

- College Prep Math (1) + Probability & Statistics (1)
- Tech Math (2)

Level 4B

- Pre-Calculus (1) + Trigonometry (1)

Level 5

- AP Calculus (2)

Science Sequence (6 credits)

Required courses indicated with **

Level 1

- **Physical Science (2)
- Earth Science I (1)
- Earth Science II (1)

Level 2

- **Biology (2)

Level 3A

- Ag Science (2)

Level 3B

- Anatomy & Physiology (2)
- Chemistry (2)

Level 5

- Physics (2)
- Senior Biology (2)

Social Studies Sequence (6 credits)

Required courses indicated with **

Level 1

- **American History (2)

Level 2

- **World History (2)

Level 3

- Contemporary World Issues (1)
- Sociology (1)
- Psychology (1)
- World Geography (1)

Level 4

- **American Government (1)
- Special Topics in American Government (1)

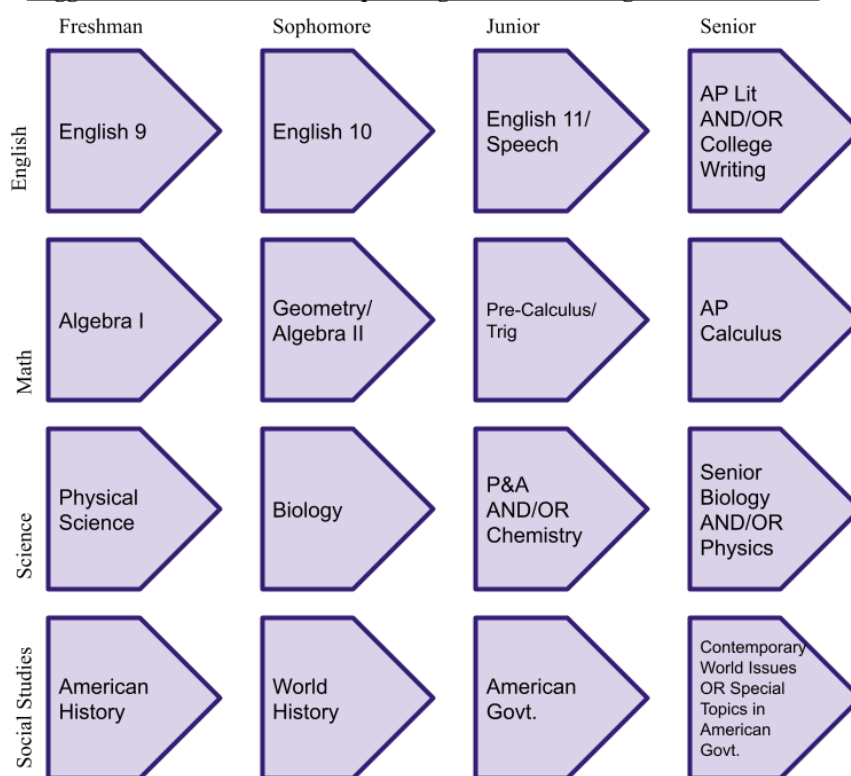
Suggested Core Coursework Sequencing for Industry-Bound Students

	Freshman	Sophomore	Junior	Senior
English	English 9	English 10	English 11/ Speech	Brit Lit OR Independent Reading OR Journalism OR Theater
Math	Algebra I	Geometry	Algebra II	Tech Math
Science	Physical Science	Biology	Ag Science OR Earth Science	
Social Studies	American History	World History	World Geography OR Psychology OR Sociology	American Govt.

Suggested Core Coursework Sequencing for non-STEM College-Bound Students

	Freshman	Sophomore	Junior	Senior
English	English 9	English 10	English 11/ Speech	AP Lit AND/OR College Writing
Math	Algebra I	Geometry	Algebra II	Transition to College Math/ Prob & Stats
Science	Physical Science	Biology	P&A OR Chemistry	*consider taking another science course to prepare for the rigors of college level work
Social Studies	American History	World History	American Govt.	Contemporary World Issues OR Special Topics in American Govt.

Suggested Core Coursework Sequencing for STEM College-Bound Students



SENIOR YEAR PLUS PROGRAM

Logan-Magnolia High School offers students the opportunity to earn college credit in high school as a part of the Senior Year Plus Program and an agreement with Iowa Western Community College (IWCC). The student pays \$25 per course and the district covers the cost of tuition taken through the Senior Year Plus Program. Students will receive their rental textbooks free of charge, but must return them upon completion of the semester. If the student wishes to earn additional college credit, they can enroll and pay for college courses independently. Registration is due by the set deadline each semester in order to enroll for the following semester.

Credits for these courses will be granted at both the high school and community college. Therefore, courses taken through the Senior Year Plus Program will appear on both the student's Logan-Magnolia High School transcript and the student's IWCC transcript. Students may elect to transfer their college credit(s) to another college or university of their choice upon high school graduation. Any request to transfer college credit(s) must be made through the Registrar's Office at IWCC. Students must typically earn a "C" or better in order for the credit(s) to transfer to another college or university. Students and families are responsible for understanding how potential college credits transfer to their intended postsecondary institution and into their potential major.

Thinking of taking college coursework? Here's what you should consider...

Critical behaviors needed for success in college often include those aligned to nonacademic measures. The nonacademic measures of college readiness provided below should assist students and parents in determining their student's level of college readiness.

- Maturity
 - Demonstrates self-advocacy and communication of academic needs
 - Successfully manages academics, work, extracurriculars and other commitments
 - Takes responsibility for their learning and success
- Academic skills or standing
 - Satisfactory attendance record
 - Successfully completes related high school coursework
 - Completes assignments by due date, including assigned readings
 - Demonstrates self-motivation as a learner
- Personal traits/dispositions
 - Demonstrates respect for others
 - Exhibits intellectual curiosity and openness to new ideas
 - Works well as part of a team
 - Demonstrates honesty and ethical decision-making
 - Willingness to devote time each week outside of class to study, review and prepare for coursework

Thinking you're ready for college coursework? Here's what you should prepare for...

Potential POSITIVE impacts of dual-enrollment college coursework:

- Support postsecondary college/career goals
- Encourage student interest
- Transfer courses to another college/university
- Shorten college timeline
- Decrease educational costs
- Broaden understanding of access to postsecondary education

Potential NEGATIVE impacts of dual-enrollment college coursework:

- Contradict postsecondary college/career goals
- Discourage student interest
- Unable to transfer courses to another college/university
- Suffer negative outcomes of poor academic performance (ie. decrease cumulative GPA, poor grades on transcript, ineligibility from extracurricular activities, academic probation, lose future access to federal financial aid)

SENIOR YEAR PLUS GUIDELINES

The following guidelines are set forth regarding all dual credit courses for students at Logan-Magnolia High School. These courses are offered through Iowa Western Community College, located in Council Bluffs, Iowa.

1. Location - Courses can be taken at the Council Bluffs campus, at the Missouri Valley Buss Center, online, or with certified Logan-Magnolia staff.
2. Attendance - Students are expected to be in full attendance, including being in their assigned area when taking online courses.
3. Grades - The high school is not privy to receiving regular grades from IWCC, so **progress of course work is the responsibility of the student and parent/guardian**. Students will be required to meet with their advisor every two weeks to monitor coursework and grades for online courses. Students will be required to physically show their advisor their grade report within ROC/Canvas. Failure to do so will cause the student to be placed on the academic watch list.
4. Cost - There is a \$25 per course fee payable to LoMa Schools for each course taken.
5. Eligibility - Students who wish to take these courses must be proficient in all Iowa Assessment testing areas and in good academic standing with the school. Students are encouraged to have earned a grade of C- or higher in all academic courses the previous semester before taking online courses. Additional eligibility requirements may be placed on specific courses by the IWCC. Registration for a course does not necessarily equate enrollment in a course.
6. Registration - Students will fully and accurately complete the provided Google Sheet to register for all dual credit courses. Students must also meet all deadlines set forth by IWCC and Logan-Magnolia Schools. Students must complete an online IWCC [high school student application](#) prior to registering for any courses.
7. Dropping Courses - The guidelines for dropping a course, set forth by the school board, also apply to dual credit courses: courses must be dropped within the first three school days of the semester. Students must meet with the school counselor to complete the drop process. If a student wishes to drop an IWCC course *after* the first three school days of the semester, the student will receive a “F” on their LoMa transcript and a “W- Withdraw” on their IWCC transcript. This reflects the dual-credit nature of the course. Just as if a student would receive an “F” for not completing a high school course, they will receive an “F” for not completing a college course.
8. Books - IWCC will provide textbooks for most dual credit courses. In rare situations, students may be responsible for procuring their own books or other materials for the courses they choose to take. Students are expected to keep books in good condition and may need to reimburse the school for any lost, destroyed, or damaged textbooks issued to the student.
9. Schedule - Students who are first-time dual credit students will be given one period per day to work on their course. Students who are repeat dual credit students will be allowed one period per day for every two dual credit courses they are taking.
10. Orientation – Students who are enrolling in a dual credit course for the first time are encouraged to attend an orientation session offered by IWCC.
11. Miscellaneous - The Logan-Magnolia CSD administration will have communications with professors on an as needed basis for students who are struggling to meet academic demands of the online course.

Signatures by student and parent/guardian are required for enrollment in online courses. These signatures do not indicate agreement with the above terms, but does indicate both the student and parent/guardian are understanding of the terms, and will abide by them.

ADVANCED PLACEMENT (AP) COURSES

Advanced Placement (AP)® courses are college-level courses offered by high schools, most often in their junior or senior years. The courses, curriculum, and standardized tests are provided by CollegeBoard© and must meet CollegeBoard© guidelines and procedures. AP® courses are a good way for high school students to access challenging coursework, maintain the support of a classroom teacher, and gain college credits.

Wanting to take college coursework, but still wanting the support of a LoMa teacher? Right now, Logan-Magnolia offers two AP® courses:

- AP Calculus AB
- AP Literature and Composition

EDGENUITY COURSE GUIDELINES

Students at Logan-Magnolia may be allowed and/or required to take classes through an internet-based service for various reasons. Those reasons include, but are not limited to, credit recovery, schedule conflicts, and student needs. Currently, Logan-Magnolia offers internet-based courses through a program titled [Edgenuity](#). If a student is enrolled in an Edgenuity course for any reason the following guidelines will be followed:

1. Students must get a username and password from assigned school personnel.
2. Students must make adequate weekly progress in the course. If a student falls behind the adequate weekly progress they will be placed on the academic noncompliance list and may lose flex schedule privileges that apply.
3. Students must successfully complete 100% of the course work by the end of the grading period.
 - a. Classes are closed at the end of the academic day on the last day of the semester. (i.e. If the day ends at 11:30, then that is considered the end of the academic day)
 - b. Second-semester seniors will be required to attend each day of school (full day) if course work is not completed upon seniors being released.
4. Students must successfully complete 100% of the course on time in order to receive credit for the course. Time extensions will only be granted for extenuating circumstances upon request to the high school principal.
5. Students will meet with the principal or their advisor weekly if they do not make adequate weekly progress.
6. If students have questions regarding the content, they will go to the specific content teacher.

Signatures by student and parent/guardian are required for enrollment in online courses. These signatures do not indicate agreement with the above terms, but does indicate both the student and parent/guardian are understanding of the terms, and will abide by them.

OPEN CAMPUS

Open campus is a *privilege*, NOT a right. Seniors who meet all of the following criteria may be eligible for open campus during their senior year:

1. Parent approval
2. Pass all of previous semester's classes with at least a C- and be on track to complete graduation requirements
3. Enroll in five 1 credit classes (required to be considered a full-time student) and six total classes
4. Maintain all of current semester's classes with at least a D-
5. Must leave school campus at their designated release time

If a senior is in violation of any of the criteria listed above, they will be required to spend their open campus periods in an academic study hall on campus.

POST-SECONDARY PLANNING

It is important to give considerable attention to the selection of high school courses. Although students have met LMHS requirements, please be aware that requirements of some four-year colleges and universities may be different. Listed below are Logan-Magnolia High School's graduation requirements as well as the three state universities' admissions requirements, which may vary depending on the student's intended major:

Subject	LMHS	Iowa State	Iowa	UNI
English	4 years	4 years	4 years	4 years
Math	4 years	3 years	3-4 years	3 years
Science	3 years	3 years	3 years	3 years
Social Studies	3 years	2-3 years	2-3 years	3 years
World Languages	Not required	2 years	2-4 years	Not required
Other Courses	19 elective credits	Not specified	Not specified	2 years of additional course from the required subject areas (World Languages, Fine Arts)

If you are in need of any type of support for post-secondary planning, please visit with your school counselor as soon as possible.

If you are interested in participating in any extracurricular activities in college, please make sure to follow the guidelines of the appropriate eligibility center for either the [NCAA](#) or the [NAIA](#).

LOGAN-MAGNOLIA COURSE OFFERINGS

ART

Drawing I			Mr. Cooper
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: None			
<p>Are you looking to explore your creative side? This course will focus on the wonderful world of creating. You'll start with the use of graphite and charcoal, which will carry over to future art classes. Along with the basics of drawing, you will have the opportunity to experiment with Pastel, Print-making, Watercolor, and possibly more media. This course is a prerequisite to all other art courses.</p> <p><i>Still interested in drawing, but you've already taken Drawing I?</i> Talk to Mr. Cooper about continuing in Drawing II, III, or even IV!</p>			
#creative #handson #introductory			

Painting I			Mr. Cooper
1 Credit - Elective	Grade Level: 10-12	Length: Semester	Offered: Fall & Spring
Prerequisite: C+ or higher in Drawing I			
<p>Are you wanting to expand your creativity into other mediums? This course offers the exciting opportunity to work with different types of paint. Watercolor, Acrylic, Oil, and Gouache will be introduced and explored. Different art movements such as Pop Art, Abstract Expressionism, and Surrealism will also be discussed and possibly implemented in your work.</p> <p><i>Still interested in painting, but you've already taken Painting I?</i> Talk to Mr. Cooper about continuing in Painting II, III, or even IV!</p>			
#creative #handson			

Pottery			Mr. Cooper
1 Credit - Elective	Grade Level: 10-12	Length: Semester	Offered: Fall & Spring

Prerequisite: C+ or higher in Drawing I
<p>Do you like to work hands-on? Then this is literally the class for you. This course will focus on the vast properties of clay. You will have the opportunity to experiment on how to hand-build (pinch pot, coiling method, slab construction method, and more) as well as “throw” on a pottery wheel. You will also get to discover the varieties of glazing.</p> <p><i>Still interested in pottery, but you’ve already taken Pottery I?</i> Talk to Mr. Cooper about continuing in Pottery II, III, or even IV!</p>
#creative #hands-on

Independent Art			Mr. Cooper
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: B or higher in Drawing I and Painting I/Pottery I			
<p>Have you loved your other art classes? Are you bursting with ideas for your own unique projects? This course gives you an outstanding opportunity to think and create independently. This is a course where you will take previous art knowledge from your other art courses and apply it in a medium of your choosing. You get the chance to hone in on what suits you best artistically.</p>			
#advanced #creative #handson #independent			

Community Art			Mr. Cooper
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: A- or higher in all other art classes + instructor approval			
<p>Are you ready to share your art with the world? This course will focus on creating artwork for clients within several areas of the community. Mural work will be introduced and explored. This is a great opportunity to get your artwork exposed, as artwork will be displayed and potentially sold within local businesses. This is considered an advanced class, therefore you need to be ambitious, have an art background, and be granted instructor's approval prior to entry into the class.</p>			
#advanced #careerprep #community #creative #entrepreneurship #independent #new			

BUSINESS

Introduction to Business			Mr. Thomspson
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: None			
<p>Why do some businesses thrive while others fail? What tactics do businesses use to get your attention? Or are there things that businesses do that drive you away? In Intro to Business you will answer these types of questions as you learn more about the history, ethics, and strategies used in the business world. You will learn about international business, online business, and the process of starting your own business.</p>			
#careerprep #CTE #introductory			

Business Law			Mr. Thomspson
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: None			
<p>Rules and laws are an expected part of life, but do you really understand the American Legal System that governs the world around you? In Business Law, you will learn about the fundamentals of the legal system including contractual and business law as well as civil and criminal law. This course is recommended for anyone planning to pursue a business degree in college or anyone looking to start their own business.</p>			
#careerprep #CTE			

Accounting			Mr. Thomspson
2 Credits - Elective	Grade Level: 9-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: none			
<p>If entrepreneurship, managing your own farm, or a college business degree is a part of your future plan, then you should be taking Accounting. In this course you will learn the process of keeping accounting records for service business, retail business, and payroll accounting. This course is not only great for college- and career-prep, but also for real-world skills!</p>			
#careerprep #collegeprep #CTE #entrepreneurship #lifeskills #realworld			

Sales & Marketing			Mr. Thomspson
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall
Prerequisite: none			
Under Armour or Nike? Pepsi or Coke? Why do you choose one brand over another? It all comes down to the marketing strategies that companies use to get your attention. In Sales and Marketing, we will study current marketing trends, work with local businesses to build on their marketing campaigns, and learn the process to develop a complete marketing plan.			
#careerprep #community #CTE #entrepreneurship			

Social Media, Sports, & Entertainment Marketing			Mr. Thomspson
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: none			
As you scroll through social media, is your feed full of influencers? Have you ever purchased something promoted by a social media influencer? We're living in a world in which advertising is making a great shift to all social media platforms. In this class, you'll learn about the newest marketing techniques used in social media as well as the multi-million dollar sports and entertainment industries.			
#careerprep #community #CTE #entrepreneurship #new			

CORE			Mr. Thomspson
2 Credits - Elective	Grade Level: 12	Length: Semester	Offered: Fall & Spring
Prerequisite: Must be a senior			
You've done it. You've finally decided what job you're working towards. But have you considered all that is required to keep that job? To advance in that job? Career Opportunities and Workplace Readiness (aka CORE) provides an opportunity to grow your employability skills through business tours, volunteer opportunities, service roles, and community participation. If you're nervous about meeting all of the requirements of Senior Seminar, you should pair it with CORE!			
#careerprep #community #CTE #handson #hiddengem #leadership #lifeskills			

Internship I			Mr. Thomspson
1 Credit - Elective	Grade Level: 12	Length: Semester	Offered: Fall & Spring
Prerequisite: Must be a senior + school counselor and instructor approval			
<p>What would you say to earning school credit while simultaneously earning a paycheck? Participating in an internship just might give you that opportunity. If you are ready to join the workforce, gain career experience, make connections with career men and women in our community, and potentially establish quality references for your resume, then Internship I is right for you.</p> <p><i>Interested in continuing your internship placement or starting a new internship placement, but you've already taken Internship I? Talk to Mr. Thompson about continuing in Internship II!</i></p>			
#careerprep #community #CTE #entrepreneurship #handson #leadership #lifeskills			

COMPUTER SCIENCE

Computer Science Principles I			Mrs. Hinsdale
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall
Prerequisite: None			
<p>Do you like working with computers? Do you want to design apps? Would your dream job be working in the tech industry? This course will focus on exploring topics like how digital information is processed, how the internet works, and introductory programming. You will have the opportunity to learn coding and create apps. This course will give you lots of hands-on experience and give you the opportunity to learn what it's like to work in the tech industry.</p>			
#careerprep #CTE #handson #introductory #new #STEM #technology			

Computer Science Principles II			Mrs. Hinsdale
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: Computer Science Principles I			

Did you enjoy Computer Science Principles I? In this class you will learn even more complex coding and create intricate apps. You will also explore how data is organized as well as the global impacts of cyber security. You should definitely continue to learn coding if you are considering any career in computer science or information systems.

#careerprep #CTE #new #STEM #technology

Information Technology Fundamentals			Mr. Christensen
1 Credit - Elective	Grade Level: 10-12	Length: Semester	Offered: Fall
Prerequisite: Computer Science Principles I			
Are you the one your friends and family ask to fix their tech problems? Or maybe you have a passion for figuring out puzzles or helping others? In this class, you'll work to earn industry certification that will help you get an entry-level job right out of high school or give you a foundation for college study in a computing field. You will get hands-on experience with computer repair, software, networking, and cybersecurity. Here is your next step on the path toward a lucrative career in technology!			
#careerprep #certification #collegeprep #CTE #entrepreneurship #handson #new #STEM #technology			

Video Game Development & Design			Mr. Christensen
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Spring
Prerequisite: C or higher in both Computer Science Principles I & II			
Now is your chance to create the next hit game! In this comprehensive course, you will mix code and creativity to experience the entire game development process, from inspiration and design to bug-testing and distribution. You will program your own projects from scratch, using high quality digital assets or even designing your own. Time permitting and depending on student interest, you may be able to obtain a professional certification as an entry-level game developer. This course is programming-intensive and will be as rigorous as an upper-level math class.			
#advanced #careerprep #certification #collegeprep #creative #CTE #entrepreneurship #new #STEM #technology			

ENGLISH LANGUAGE ARTS

English 9			Ms. Beck
2 Credits - Required	Grade Level: 9	Length: Full Year	Offered: Fall & Spring
Prerequisite: None			
Are you ready to make sure your English and grammar capabilities are at the high school level? This course will advance your knowledge and understanding of English grammar and will develop your critical reading skills. Be prepared to evolve your writing capabilities through competent essays. You will also critically analyze several interesting texts, including <i>The Hunger Games</i> .			
#communication #introductory			

English 10			Ms. Beck
2 Credits - Required	Grade Level: 10	Length: Full Year	Offered: Fall & Spring
Prerequisite: English 9			
Have you ever wondered why some books are considered “classics” today? This course comprehensively explores historically significant literature that is still relevant in today’s society. You will read <i>Of Mice and Men</i> , <i>Animal Farm</i> , <i>The Great Gatsby</i> , and other prominent literary works. You will also learn strategies and techniques for writing through independent journaling and essays, culminating with a large research paper in the spring semester.			
#communication #research			

English 11			Mr. McKinney
2 Credits - Required	Grade Level: 11	Length: Full Year	Offered: Fall & Spring
Prerequisite: English 10			
Do you enjoy reading books by and for Americans? Are you ready to strengthen your core writing skills? In this course there will be two major areas of study: American literature and research. First you will read short stories and a novel by some of the most celebrated American authors in history. Show what you know by writing essays, creating movie posters, penning newspaper articles, and more! The second area of study is research. You will have the freedom to choose what you want to learn,			

researching, writing, and presenting your findings to the class. It's time to strengthen those core skills that help in college, trade school, and beyond!

#communication #creative #research

British Literature			Ms. Beck
1 Credit - Elective	Grade Level: 10-12	Length: Semester	Offered: Fall
Prerequisite: English 9			
<p><i>"Home is behind, the world ahead."</i> - J.R.R. Tolkein</p> <p>Do classic and modern works of British literature interest you? This course will focus on reading and analyzing several books written by British authors from various time periods. Find out what popular British works, such as <i>Beowulf</i>, <i>The Hobbit</i>, and <i>Harry Potter</i>, have in common and what makes them so influential.</p>			
#communication #hiddengem			

Independent Reading			Ms. Beck
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: None			
<p>Do you ever find yourself wishing you had more time in the day to read? On the other hand, has reading ever been challenging for you? This course supports both the avid-reader and the non-reader. You will get to choose what grade-level novels you will read within the classroom. You will maintain a reading log, self-pacing to achieve your individual reading goal. Take Independent Reading - it's just like a choose-your-own-adventure novel!</p>			
#creative #independent #introductory			

Journalism I / II			Mr. McKinney
2 Credits - Elective	Grade Level: 9-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: Must take Journalism I before Journalism II			

Do you find yourself scrolling the news or “trending” section on social media? Do you want to help create documents that will be a part of Logan-Magnolia’s history? If so, then this course is where you need to be! Journalism is designed to teach you various forms of journalism, analysis of media, as well as writing skills. You will engage in multiple forms of media, with a strong focus in newspaper, photography, and writing. Everyone is expected to take on roles within the school newspaper, *Panther Prints*, by writing and editing articles. You will also have a highly active role in documenting, writing, and creating the annual school yearbook. Come join us as we make real, positive impacts on the Logan-Magnolia community.

#careerprep #communication #community #creative #entrepreneurship #handson #independent #leadership #realworld

Theater			Ms. Beck
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: None			
<p><i>“All the world’s a stage...”</i> - Shakespeare</p> <p>Are you interested in performing on a stage? Do plays interest you? This course will focus on theater performances and teaching you how to act, write, and direct your own play. This course will give you the opportunity to build your self-confidence and regularly participate in fun theatrical opportunities. Break a leg!</p>			
#communication #community #creative #new			

AP English Literature & Composition			Mr. McKinney
2 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: C or higher in English 10 or instructor approval			
<p>Do you hope to earn college credit in English Language Arts? Do you want to push yourself to get ready for reading and writing at the college level? AP English Literature and Composition is a college-level literary analysis course. Cultivate your understanding of literature through reading and analyzing texts (fiction, poetry, drama) as you deepen your understanding of the ways writers use language to provide both meaning and pleasure. Explore concepts like character, setting, structure, perspective, figurative language, and literary analysis. You will take the AP exam at the end of the semester; successful completion may result in exemption from introductory college literature courses.</p>			
#advanced #collegeprep #communication #dualcredit #hiddengem #weighted			

College Composition			Mr. McKinney
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: C or higher in English 11 or instructor approval			
Are you wanting to make sure your writing skills are up to par before you get to college? This high-intensity writing class focuses on developing your academic writing, critical thinking, and critical reading skills. In this course, you complete complex readings, reading responses, essays, discussion boards, and in-class activities that help you prepare to be a successful college student. Look forward to crafting, drafting, and editing three of the most common pieces of writing at the collegiate level: narrative, argumentative, and research. If you like to challenge yourself, then this is the course for you!			
#advanced #collegeprep #communication #hiddengem #research #weighted			

Speech			Mrs. Muxfeldt
1 Credit - Required	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: Must be a junior or senior			
Communication is the key to success! This course will build your confidence and improve your ability to communicate effectively. In class you will participate in dynamic group discussions and practice formal public speaking. After one semester you will surely be a more confident, skilled presenter who can take on all realms of public speaking.			
#careerprep #collegeprep #communication #lifeskills #realworld			

FAMILY & CONSUMER SCIENCE

Applied Nutrition			Mrs. Cavalier
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall
Prerequisite: None			
How much do you know about the food you eat? This course will teach you helpful information such as health facts, nutrition science, and culinary arts. You will learn kitchen safety, how to modify recipes, alternative ways to make food, and how to develop menus with nutrition in mind.			

#careerprep #CTE #handson #introductory #lifeskills #new #realworld

Culinary Essentials			Mrs. Cavalier
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: None			
Do you know the difference between a stock and a sauce? How about the difference between sauté and flambé? If you don't know the differences (or even if you do), you should consider taking this class. You will learn skills such as basic kitchen safety and sanitation, knife skills, menu planning, breakfast cooking, bread making and so much more.			
#careerprep #CTE #handson #introductory #lifeskills #new #realworld			

Culinary I			Mrs. Cavalier
2 Credits - Elective	Grade Level: 10-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: Applied Nutrition (previously called Food & Nutrition) or Culinary Essentials			
If you are interested in being a social media manager, entrepreneur, chef, chemist, or farmer then you should plan on taking this year long class. This course is part of an industry-backed culinary arts and management program. Culinary I can give you a leg up in your job search and open the door to collegiate and career opportunities. You will learn all facets of the restaurant and food service industry.			
#careerprep #certification #collegeprep #CTE #entrepreneurship #new #realworld			

Childhood Education			Mrs. Cavalier
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: None			
Are there small children in your life? Are you interested in becoming a teacher, childcare provider, doctor, nurse, counselor, police officer, social worker, or lawyer? Do you plan to become a parent someday? Clearly everyone would benefit from studying child development! This course will focus on the development of children, especially between the ages of zero and six. Get ready to work with young			

children in Logan-Magnolia's Panther Room, preschool, and elementary school- there won't be a dull moment!

#careerprep #community #CTE #handson #leadership #lifeskills #new #realworld

Lifespan Development			Mrs. Cavalier
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: None			
If you ever plan on getting older, working with others, starting a family, and "adulting," you should be taking this class. This course studies how humans learn, grow, and transform throughout their many phases of life. With this knowledge, you might find yourself learning more about who you are, reflecting on your childhood and young adulthood, and looking forward to what the future might hold.			
#careerprep #CTE #lifeskills #new #realworld			

Life Skills			Mrs. Cavalier
2 Credits - Elective	Grade Level: 9-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: Class size is limited - school counselor & instructor approval			
Are you ready for the real world? It's one thing to be book-smart; it's quite another to have the practical know-how for day-to-day life. This class will focus on preparing you for household/automotive care and repair, money management, time management skills, problem solving, social emotional learning, self-care, communication skills, and employability.			
#CTE #handson #lifeskills #new #realworld			

Soft Lines Design			Mrs. Cavalier
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: None			
Have you ever had a button fall off and you didn't know how to fix it? Do you want to redesign your room but you are just not sure where to start? Would you like to repurpose old things into new things?			

If you answered yes to at least one of these questions (or just want to learn something new), then sign up for Soft Lines Design. These skills can lead to career pathways in merchandising, design, sales, fashion, and engineering.

#careerprep #creative #CTE #handson #new #realworld

HEALTH SCIENCE

Intro to Health Care Careers			Mrs. Chase
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall
Prerequisite: Must be junior or senior			
Do you have an interest in the medical field and want to broaden your knowledge of possible careers? This course will give you hands-on experience exploring several different health care career pathways. You will explore several different colleges of your choice and compare their health care programs; you will also have the opportunity to tour two colleges. Guest speakers such as NICU nurses, radiologists, dietitians, and public health nurses will offer you insight on their careers. You will also get hands-on experience job shadowing your career of choice at a local hospital. This course is a prerequisite to all other health science courses.			
#careerprep #CTE #handson #introductory #realworld #STEM			

IWCC HSC-128 - Anatomy & Physiology for Allied Health			Mrs. Chase
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: Intro to Health Care Careers or instructor approval			
If you are planning to enter the medical field, then this is the course for you. Anatomy and Physiology for Allied Health will provide a base knowledge of the organization, structure, terminology and pathology of the human body. Body systems and their functions will be covered, in detail, allowing you to understand how the human body works as a whole.			
#advanced #careerprep #collegeprep #CTE #dualcredit #STEM			

IWCC HSC-172 - Nurse Aide (CNA)			Mrs. Chase
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1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Spring
Prerequisite: Intro to Health Care Careers or Instructor Approval			
If you are thinking about going into the nursing field, this course is an excellent opportunity for you. Nurse Aide is the 75 hour nurse aide (CNA) course. It will allow you to meet the training requirements of the Omnibus Budget Reconciliation Act of 1987 (OBRA) for nurse aides working in nursing facilities and skilled nursing facilities. Emphasis in the course is on achieving a basic level of knowledge and demonstrating skills to provide safe and effective resident care. At the completion of this course you will have the knowledge to test for your CNA license.			
#advanced #careerprep #certification #collegeprep #CTE #dualcredit #handson #lifeskills #realworld #STEM			

IWCC HSC-113 - Medical Terminology			Mrs. Chase
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: Intro to Health Care Careers or instructor approval			
Are you considering a career as a doctor, nurse, physical therapist, chiropractor, or radiologist? This is a fast paced course that will give you the basic medical knowledge needed to explore these careers. Medical Terminology studies terms used in medicine. This course gives you a working knowledge of the roots, prefixes, and suffixes of commonly used medical terms. Emphasis centers on the correct spelling and pronunciation of the vocabulary.			
#advanced #careerprep #collegeprep #CTE #dualcredit #STEM			

INDUSTRIAL TECHNOLOGY

Manufacturing Systems			Mr. Krueger
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: None			
Are you a hands-on learner? Do you enjoy creating and building? This course will introduce you to modern manufacturing processes. You will learn to safely use and experiment with many tools, materials, and processes currently used in a variety of industries. Areas that will be investigated include woodworking, metalworking/welding, construction, and drafting. This course is a prerequisite to all other industrial technology courses.			

#careerprep #creative #CTE #handson #introductory

3D Design Drafting			Mr. Krueger
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: Manufacturing Systems			
Are you interested in a career in engineering, architecture, graphic design, construction, or manufacturing? This course will prepare you for the design process. You will use computer programs such as AutoCAD, Fusion360, and Revit to design and print 3D objects and structures.			
#careerprep #CTE #handson #realworld #STEM #technology			

Metalworking I			Mr. Krueger
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: Manufacturing Systems			
Interested in fusing metal together and hitting red-hot steel with a hammer? If so, this is the class for you. During this course, students will be broken into two groups, where each group will spend one quarter welding and one quarter forging. Welders will learn the SMAW (stick) and GMAW (mig) welding processes. Blacksmiths will learn to forge a scroll, J-hook, and fire poker. If you are wanting to pursue the IWCC Welding Certificate program at the Buss Center, you are encouraged to take this course before your junior year.			
<i>Still interested in forging or welding, but you've already taken Metalworking I?</i> Talk to Mr. Krueger about continuing in Metalworking II, III, or even IV!			
#careerprep #creative #CTE #handson #realworld			

Woods I			Mr. Krueger
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: Manufacturing Systems			

Do you want to learn to use power tools to create something both beautiful and functional? This course is designed to introduce you to modern carpentry processes. You will learn to safely use many tools, materials, and processes used in the industry. Areas that will be investigated include cutting, shaping, and joining wood products in a woodworking project of your choice.

Still interested in woodworking, but you've already taken Woods I? Talk to Mr. Krueger about continuing in Woods II, III, or even IV!

#careerprep #creative #CTE #hands-on #independent #lifeskills #realworld

IWCC Construction Technology: Carpentry Certificate			IWCC Instructor
6 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: School counselor + principal approval. Must be a junior or senior who is able to transport yourself to and from the Buss Center in Missouri Valley every morning from 8:00-10:30 AM.			
<p>Are you planning on a career in construction? Are you looking for a chance to get out of the regular classroom and learn work firsthand? The Construction Technology: Carpentry Certificate prepares you for entry level jobs in the residential construction industry. This certificate program will expose you to carpentry theory, techniques, and building materials. You will receive safety training and complete the 10-hour OSHA and EPA training. Graduates of this program are awarded a collegiate certificate, which could transfer into IWCC's Carpentry Technology Diploma program.</p> <p>Fall: CON 180 - Principles of Building Construction I (3.0) MAT 743 - Technical Math I (3.0)</p> <p>Spring: CON 114 - Residential Print Reading (3.0) CON 266 - Construction Safety (3.0)</p> <p>Both Fall AND Spring: CON 170 - Building Construction Techniques I (6.0)</p> <p>Total Credits: 18.0</p>			
#careerprep #certification #collegeprep #CTE #dualcredit #hands-on #lifeskills #realworld			

IWCC Industrial Technology Certificate			IWCC Instructor
6 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring

Prerequisite: School counselor + principal approval. Must be a junior or senior who is able to transport yourself to and from the Buss Center in Missouri Valley every morning from 8:00-10:30 AM.

Do you want to learn the skills to install, repair, and maintain industrial machinery? Are you interested in a career (or a class) that is literally hands-on? The Industrial Technology Certificate program of study prepares you to be employed as a technician in the fields of electrical maintenance and production. The program is developed especially for the industry in the development, installation and maintenance of complex industrial processes as well as their electronic, controller, and computer devices. Graduates of this program are awarded a collegiate certificate, which could transfer into IWCC's Industrial Maintenance Diploma program.

Fall:

ELT 215 - Motors & Controls (2.0)

IND 197 - Industrial Engineering Technical Orientation (3.0)

MAT-743 - Technical Math (3.0)

Spring:

ELE 231 - Basic Electrical Principles (5.0)

IND 109 - Equipment Safety and Operation (3.0)

Total Credits: 16.0

#careerprep #certification #collegeprep #CTE #dualcredit #hands-on #lifeskills #new #realworld

IWCC Precision Agriculture Certificate			IWCC Instructor
6 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: School counselor + principal approval. Must be a junior or senior who is able to transport yourself to and from the Buss Center in Missouri Valley every morning from 8:00-10:30 AM.			
Do you live or work on a farm? Are you considering a career in agriculture? The Precision Agriculture Certificate prepares you to enter into the industries of agriculture production and agronomy-related sales, service, and supply industries. The Precision Agriculture Certificate will develop your skills, abilities, and understanding of the agronomic aspects of production agriculture. In this pathway you will also learn to fly small unmanned aircraft and prepare you to take the FAA Part 107 test. Graduates of this program are awarded a collegiate certificate, which could transfer into IWCC's Agribusiness Management Associate's degree program.			
Fall:			
AGA 181 - Introduction to Crop Science (3.0)			
AGP 333 - Precision Farming Systems (3.0)			
AGA 284 - Pesticide Application Certification (3.0)			
Spring:			
AGA 280 - Crop Development, Production, and Management (3.0)			
AGA 376 - Integrated Pesticide Management (3.0)			

AVI 255 - FAA Part 107 Remote Pilot (3.0) Both Fall AND Spring: AGB 804 - Agriculture Internship (3.0) Total Credits: 21
#careerprep #certification #collegeprep #CTE #dualcredit #hands-on #lifeskills #new #realworld

IWCC Welding Certificate			IWCC Instructor
6 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: School counselor + principal approval. Must be a junior or senior who is able to transport yourself to and from the Buss Center in Missouri Valley every morning from 8:00-10:30 AM.			
Are you a hands-on learner who is ready to gain some real-world skills? Will welding be a part of your future career? The Welding Certificate prepares you to enter into the industry as beginning production, maintenance, or job shop welders. You will be trained in the latest techniques in fabrication of materials by welding processes. The Welding Certificate is designed to teach fundamental techniques and principles. This pathway also provides for an overview of related topics, such as metallurgy and fabrication, layout, estimating, and repair. Graduates of this program are awarded a collegiate certificate, which could transfer into IWCC's Welding Technology Diploma program.			
Fall: WEL 149 - Arc Welding (3.0) WEL 228 - Introduction to Welding, Safety, and Health of Workers (1.0) WEL 256 - Gas Metal Arc Welding (4.5)			
Spring: WEL 192 - Gas Tungsten Arc Welding (4.0) WEL 233 - Print Reading and Welding Symbol Interpretations (3.0) WEL 259 - Oxy-Acetylene Arc Welding (1.0)			
Total Credits: 16.5			
#careerprep #certification #collegeprep #CTE #dualcredit #hands-on #lifeskills #realworld			

LIFETIME FITNESS

Cross Training			Mrs. Bruck
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring

Prerequisite: None
Are you ready to learn the skills needed for lifetime fitness and wellness? Are you an athlete wanting to make gains in your sport? Cross Training uses an online fitness program to track your progress so you are able to see your own personal growth. You will lift weights three days a week and focus on agility once a week. You will also learn about nutrition, sports preparation, training, recovery, injury prevention, and more. If you have individual fitness goals, you can have the flexibility to use programs tailored specifically to your needs.
#active #handson #independent

Advanced Strength & Conditioning			Mrs. Bruck
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: Cross Training + instructor approval. Class size is limited - preference will be given to upperclassmen.			
Are you confident and experienced in the weight room? This course is scheduled from 6:30-7:30 AM Monday through Thursday. Workouts are designed on an individual basis where specific fitness goals of each student can be maximized. Due to the number of minutes required by the state of Iowa for physical education credit, if you are active in other early morning extracurricular activities, you will be put on a waitlist.			
#active #advanced #handson #independent #leadership			

Physical Education			Mr. Ettleman
1 Credit - Required	Grade Level: 9-12	Length: Semester	Offered: Fall & Spring
Prerequisite: None			
Do you enjoy outdoor activities or non-traditional sports? Do you want to gain the tools and experience to help you build a love for physical activity and a healthy lifestyle? This course provides exposure to a variety of games and activities that give you the opportunity to act collaboratively with your peers in a physically active environment. These activities include, but are not limited to: Yard games, Golf, Tchoukball, Ultimate Frisbee, Tiger Ball, Mat Ball, Disc Golf, Volleyball, Eclipse Ball, Capture the Flag, Hockey, and more.			
#active #handson			

Health I			Mrs. Bruck
1 Credit - Required	Grade Level: 9-12	Length: Semester	Offered: Fall
Prerequisite: None			
<p>Did you know that health and wellness are not just about working out and eating right? Health I focuses on all aspects of health and wellness and how your decisions in each of these areas impact your life. Topics covered include conflict management, self-management, mental health, sexual education, stress management, fitness, nutrition, CPR certification, and other related health issues, with the largest emphasis placed on healthy relationships and substance use.</p> <p><i>Health I meets the 1 credit Health graduation requirement.</i></p>			
#lifeskills #realworld			

Health II			Mrs. Bruck
1 Credit - Required	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: None			
<p>What does it mean to be healthy? Health II covers similar topics to those covered in Health I; however, a much larger focus and emphasis is placed on fitness and nutrition. You will continue to learn about the cycle of lifestyle changes and how being adaptable can positively impact your overall health and wellness.</p> <p><i>Health II meets the 1 credit Health graduation requirement. Students do not need to take Health I in order to take Health II.</i></p>			
#lifeskills #realworld			

MATHEMATICS

Tiered Algebra			Ms. Ettleman
2 Credits	Grade Level: 9	Length: Full Year	Offered: Fall & Spring
Prerequisite: instructor approval			

Are you nervous about Algebra I? Tiered Algebra is a course designed to help calm those nerves! Tiered Algebra is designed to be taken alongside your Algebra I course, covering content that fills in the unknown of the Algebra I content. We will cover things like graphing and identifying functions of all types, using exponents, finding patterns, and more!

#introductory #STEM

Algebra I			Ms. Ettleman
2 Credits	Grade Level: 8-9	Length: Full Year	Offered: Fall & Spring
Prerequisite: instructor approval if taking during 8th grade			
Algebra might ask you to find its x, and you may even have to tell it y! This course is filled with opportunities to solve and graph equations of all types, plus study properties and operations of the real number system. You will have the opportunity to see where Algebra is used all over the real world and how it can be applied to your life both now and in the future.			
#introductory #realworld #STEM			

Geometry Concepts			Mr. Kiger
2 Credits	Grade Level: 10	Length: Full Year	Offered: Fall & Spring
Prerequisite: Algebra I + instructor approval			
If you have an interest in learning about shapes and sizes of objects, but math isn't necessarily your strong suit, then maybe take a look at Geometry Concepts. This course is set up to go more at a student's pace, focusing on the main ideas of Geometry rather than every single aspect of the textbook. If this seems more like your speed, then sign up for Geometry Concepts.			
#introductory #STEM			

Geometry			Mr. Kiger
2 Credits	Grade Level: 9-10	Length: Full Year	Offered: Fall & Spring
Prerequisite: Algebra I			

Do you remember building with blocks of all shapes and sizes? This class takes those basic building principles and focuses on working with shapes and objects in both two-dimensional and three-dimensional structures. This is also the basic idea of Trigonometry, which is a class that could be in your near future. If you are thinking of going into architecture, engineering, video game creations, and much more... get ready for Geometry!

#problemsolving #STEM

Algebra II Concepts			Mr. Kiger
2 Credits	Grade Level: 11	Length: Full Year	Offered: Fall & Spring
Prerequisite: Geometry and/or Geometry Concepts + instructor approval			
Do your future plans include technical school, apprenticeship, military, or going straight into the workforce? Is math still a struggle for you, but you need Algebra II to graduate? Consider looking into Algebra II Concepts. This course covers much of the material from Algebra II but at a slower, easier-to-learn pace.			
#introductory #STEM			

Algebra II			Mr. Kiger
2 Credits	Grade Level: 10-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: Geometry			
Do you wish you could predict the future? This course focuses on math that looks at extremely large and small numbers, creating functions that can find answers to your questions. This course will also introduce you to numbers that you maybe haven't heard or thought of, but are actually there. This course will continue you on your journey into trigonometry, which you started back in Geometry. Get ready for a world of unknown numbers and possibilities in Algebra II.			
#problemsolving #STEM			

Tech Math			Mr. Krueger
2 Credits	Grade Level: 12	Length: Full Year	Offered: Fall & Spring

Prerequisite: Algebra II or Algebra II Concepts
Are you planning on a career in electrical, plumbing, construction, or another trade? This course covers practical math concepts that you may use on-the-job in occupational and trade settings. It will equip you with a solid foundation of the math needed for a variety of technical and vocational trades.
#careerprep #collegprep #realworld #STEM

Transition to College Math			Mr. Kiger
1 Credit	Grade Level: 12	Length: Semester	Offered: Fall
Prerequisite: Algebra II			
If you are planning to attend a liberal-arts college or four-year university, more than likely you'll have to take a math course at the college level. If you're not going into a STEM major, then this course might be the best route for you. Transition to College Math is designed to cover many areas covered in a general college math course. You will review previously taught areas such as geometry and algebra, with a focus on functions, graphs, and real-world application.			
#collegprep #realworld #STEM			

Probability & Statistics			Ms. Ettleman
1 Credit	Grade Level: 12	Length: Semester	Offered: Spring
Prerequisite: Algebra II			
Have you ever caught yourself asking the question, "What are the odds _____?" Probability & Statistics spends a large portion of the semester determining the mathematical odds of specific situations. You will learn methods for describing sets of data; probability; discrete random variables; continuous random variables; sampling distributions; inferences based on a single sample; estimation; and tests of hypotheses.			
#collegprep #STEM			

Pre-Calculus			Ms. Ettleman
1 Credit	Grade Level: 11-12	Length: Semester	Offered: Fall

Prerequisite: Algebra II
Are you planning to study a STEM major in college, such as surveying, navigation, engineering, or the physical sciences? Pre-Calculus is the course for you! In Pre-Calc you will learn the ideas of rational, polynomial, exponential, and logarithmic functions. Sequences, both arithmetic and geometric, are discussed.
#advanced #collegeprep #STEM #weighted

Trigonometry			Ms. Ettleman
1 Credit	Grade Level: 11-12	Length: Semester	Offered: Spring
Prerequisite: Pre-Calculus			
Are you getting ready to take AP Calculus as a senior? Are you a senior getting ready to major in STEM next year? This second-semester course is meant to follow your learning from Pre-Calculus. It focuses on trigonometry, using triangles and their relationships in deeper concepts.			
#advanced #collegeprep #STEM #weighted			

AP Calculus			Ms. Ettleman
2 Credits - Required	Grade Level: 9	Length: Full Year	Offered: Fall & Spring
Prerequisite: None			
Are you interested in becoming an engineer, software developer, or an economist? Calculus is used heavily in all of those fields. This is a course that dives into the why behind a lot of science concepts. It takes you into a world of mathematics like you have never seen before. The topics discussed are properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivative, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral). This course aligns to a college-level math curriculum. You will take the AP Calculus AB exam at the end of the semester; successful completion may result in exemption from introductory college math courses (depending on the college requirements).			
#advanced #collegeprep #dualcredit #hiddengem #STEM #weighted			

MUSIC

Band			Mr. Albertson
2 Credits - Elective	Grade Level: 9-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: None			
<p>Be a part of a treasure to our community! This course includes marching band, concert band, and pep band. There will be multiple performance opportunities throughout the year, for both entertainment and for competition. Challenge yourself to be great and learn an instrument that you can play for your entire life!</p> <p><i>If you haven't taken Band before, a conversation with the band teacher is required prior to registration.</i></p>			
#community #creative #handson			

Jazz Band			Mr. Albertson
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: audition + must be simultaneously enrolled in Band			
<p>Learn how to become a great soloist on your instrument! In this class, you will learn aspects about jazz history, theory, and high-level performance. You will compete as a group for awards throughout the jazz season.</p> <p><i>Interested? You must submit an audition to be considered for a spot in the Varsity Jazz Band. Attending all pre-season rehearsals is required.</i></p>			
#advanced #community #creative #handson			

Concert Choir			Mrs. Schmitz
2 Credits - Elective	Grade Level: 9-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: None			
<p>Do you want to be part of a successful group that enjoys music? Concert Choir is for any student. It allows you to be in two choirs during one class, where you will study many different styles of music and will get ready to compete at State Large Group in May. You will also experience three seasonal</p>			

concerts per year. (Plus every four years you are eligible to travel with the group to Disney World!) Almost half of LoMa high school students take Concert Choir, so don't miss out on the fun!

#community #creative

Advanced Vocal Music			Mrs. Schmitz
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall
Prerequisite: audition + must be simultaneously enrolled in Concert Choir			
If you'd like more experience in choral music, this class is for you. Advanced Vocal Music is an auditioned choir that works on the Iowa All State music in the first eight weeks and Show Choir in the last eight weeks. You will have the opportunity to audition for the Iowa All State chorus in October and then prepare the competition show for Show Choir. Show Choir will compete in the spring semester.			
#advanced #community #creative			

Music Theory I			Mrs. Schmitz
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: one year of band or choir + instructor approval			
Do you have a passion for music? Are you interested in learning and understanding the basic rules of writing music? Music Theory offers you the opportunity to study the basic components of music, including: note values, scales, note names, and more. This is a beginner level course to help understand how music is put together.			
#creative #introductory			

Music Theory II			Mrs. Schmitz
1 Credit - Elective	Grade Level: 10-12	Length: Semester	Offered: Spring
Prerequisite: C or higher in Music Theory I			

Are you ready to move on from Music Theory? Music Theory II builds on the skills mastered in Music Theory I. Emphasis will be on triads, triad inversions, and part writing. You will write a hymn in four voice parts for the choir to rehearse in class.

#creative

Music Theory III			Mrs. Schmitz
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Spring
Prerequisite: C or higher in Music Theory I and II			
Are you considering a career as a music educator or professional musician? Music Theory III will prepare you for your freshman year in college by working out of a college textbook to build on your knowledge from Music Theory I and II.			
#advanced #careerprep #collegeprep #creative			

SCIENCE

Physical Science			Mrs. Hemphill
2 Credits - Required	Grade Level: 9	Length: Full Year	Offered: Fall & Spring
Prerequisite: None			
Are you ready to learn more about matter, chemical reactions, energy and waves? Physical Science introduces you to the basics of Chemistry and Physics. Be prepared to build wind turbines, marble roller coasters, and create polymers throughout this course. Get ready for high school science in this course.			
#introductory #STEM			

Earth Science I			Mrs. Hemphill
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Fall
Prerequisite: none			

Are you fascinated by space? Do you wonder about the past, present, and future of our planet? Take Earth Science I and learn all about space and plate tectonics! In this course you will learn about Earth's place in the universe and how our planet is changing.

Note: Earth Science I is completely independent from Earth Science II. You do not need to take Earth Science II after taking this course!

#STEM

Earth Science II			Mrs. Hemphill
1 Credit - Elective	Grade Level: 9-12	Length: Semester	Offered: Spring
Prerequisite: none			
<p>Are you interested in learning about the weather? Would you like to know more about how climate change is affecting the humans, animals, and plants on our planet? Take Earth Science II! In this course you will learn even more about our world.</p> <p><i>Note: Earth Science II is completely independent from Earth Science I. You do <u>not</u> need to take Earth Science I before taking this course!</i></p>			
#STEM			

Biology			Mr. Killpack
2 Credits - Required	Grade Level: 10	Length: Full Year	Offered: Fall & Spring
Prerequisite: Physical Science			
<p>Are you ready to learn more about the processes of life and how things live? Biology introduces you to the basics of life and the processes that keep us alive. Be prepared to experience hands-on learning with labs and even create a science fair project. The first and second semesters of Biology will help prepare you for Human Physiology & Anatomy and for Senior Biology.</p>			
#STEM			

Ag Science			Mr. Killpack
2 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: Biology			
Get ready to get your hands dirty! In Agricultural Science, you'll learn a wide range of topics concerning agriculture and natural resources: plant and animal science, production and processing, environmental science and conservation, ecology, and agricultural/natural resources careers. You'll also be responsible for running the greenhouse and helping beautify our school grounds.			
#community #handson #STEM			

Chemistry			Mrs. Hemphill
2 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: C- or higher in Biology			
Are you considering a career in the medical field? Are you interested in pursuing science in college? Or do you just want to blow up pumpkins? If you answered yes to any of these questions, consider taking Chemistry. We will study inorganic chemistry with an emphasis on problem solving and experimental approach. You will also propel a bottle rocket with a chemical reaction at the end of this course.			
#advanced #collegeprep #problemsolving #STEM #weighted			

Anatomy & Physiology			Mr. Killpack
2 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: C- or higher in Biology			
Are you considering a career in the medical field? Are you interested in pursuing science in college? Or do you just want to dissect a cat? If you answered yes to any of these questions, consider taking Anatomy and Physiology. This class requires a significant amount of problem solving skills and hands-on dissection time. We will study everything in the human body from what makes up our cells to how organ systems collaborate with each other to keep us alive.			
#advanced #collegeprep #problemsolving #STEM #weighted			

Physics			Mrs. Hemphill
2 Credits - Elective	Grade Level: 12	Length: Full Year	Offered: Fall & Spring
Prerequisite: C- or higher in Chemistry and/or Anatomy & Physiology			
Do you dream of a career in engineering, chemistry, physics, astronomy, architecture, or ultrasound sonography? This course introduces you to the study of mechanics, heat and waves. Be prepared to problem solve and experiment throughout this course. You will also have the opportunity to engineer a projectile launcher.			
#advanced #collegeprep #hiddengem #problemsolving #STEM #weighted			

Senior Biology			Mr. Killpack
2 Credits - Elective	Grade Level: 12	Length: Full Year	Offered: Fall & Spring
Prerequisite: C- or higher in Chemistry and/or Anatomy & Physiology			
Do you dream of moving on to the field of science in college? This course will take many of the concepts that are introduced in 10th grade Biology and begin to look at them in a much deeper context. We will cover everything from cellular biology to ecology. This course is designed to prepare you for the rigor of college level academics while giving you a better understanding of the living, natural world around you.			
#advanced #collegeprep #handson #hiddengem #STEM #weighted			

SOCIAL STUDIES

American History			Mr. Esser
2 Credits - Required	Grade Level: 9	Length: Full Year	Offered: Fall & Spring
Prerequisite: none			
How much do you really know about our country's history? First semester begins with a unit on how the geography of the United States gave rise to its regional and world power. You'll then learn about important events such as the Reconstruction Era, the Westward Movement, and the Industrial Revolution. Second semester begins with studying how farmers, ranchers, miners, and Native Americans were affected in the late 19th and early 20th centuries. Then you will learn about World			

War I, the Great Depression, World War II, as well as modern-day current events. Much of the class is centered on project-based learning, with a strong emphasis on writing essays and group work.

#communication #research

World History			Mr. Esser
2 Credits - Required	Grade Level: 10	Length: Full Year	Offered: Fall & Spring
Prerequisite: American History			
Are you ready to learn more about the world you live in? The course's emphasis is on modern-day history and geography. There are frequent discussions of political, historical, and geographical concepts affecting the growth and progress of Russia, Latin America, China, Western Europe, and the continents of Africa and Asia. The second semester covers South America, India, Pakistan, the Middle East, Korea, Japan, and the Arctic.			
#communication #research			

Contemporary World Issues			Mr. Esser
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: C- or higher in World History			
Would you like to be able to communicate your political opinions more clearly? Do you want to get ready for the college level workload? Contemporary World Issues is constructed to help you investigate and study political, economic, and social issues facing the world. This course will focus on current issues, examine selected 21st century issues, and look at historical causes or possible solutions. Course content includes presidential elections, researching candidates, public issues, cultural issues affecting society, and learning how to review sources for media bias. You will watch documentaries, read news articles, and write numerous essays covering the content.			
#advanced #collegeprep #communication #hiddengem #realworld #research			

Psychology			Mr. Gorman
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Spring

Prerequisite: must be junior or senior or have instructor approval
Do you ever look at someone and wonder, “What is going on inside their head?” If you take Psychology, you will learn about mental health, decision making, and psychological effects. You will also learn about abnormal psychology and do a research project over serial killers. This class is a great building block for understanding others by learning more about a person’s motivations and behaviors, maybe even your own!
#communication #hiddengem #lifeskills #realworld

Sociology			Mr. Esser
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall
Prerequisite: must be junior or senior or have instructor approval			
What’s the difference between sociology and psychology? Sociology examines the way people interact with one another and how they influence each other’s decisions. It involves the study of group dynamics, social institutions, organization of societies, as well as some of the problems facing the world today and possible solutions for those problems. The course will investigate the development and characteristics of sociology and the procedures sociologists use in collecting data, covering all major areas of sociology in a blend of concepts, theories, and applications, with a special emphasis on the cultural aspects of different societies.			
#communication #hiddengem #lifeskills #realworld			

World Geography			Mr. Gorman
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall
Prerequisite: must be junior or senior or have instructor approval			
How much do you really know about the world you live in? How does geography affect a country’s decision making? In this class you will learn about lesser-studied areas of the world, including Australia, Pacific islands, and smaller European countries. A heavy focus will be placed on the socio-cultural and economic impacts of geography. For example, how does geography impact the formation and development of gangs? Take World Geography and find out!			
#communication #research			

American Government			Mr. Gorman
1 Credit - Required	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: must be junior or senior			
Do you enjoy a healthy debate? Are you ready to learn about the inner workings of our country's political system? This required course will cover a variety of topics, including the U.S. Constitution, lawmaking processes, civil engagement, differentiating between political parties, and requirements of each branch of government. You will have the opportunity to review court cases in order to make constitutional, ethical, and legal decisions and will engage in a debate over various political topics.			
#lifeskills #realworld #research			

Special Topics in American Government			Mr. Esser
1 Credit - Elective	Grade Level: 11-12	Length: Semester	Offered: Spring
Prerequisite: American Government or instructor approval			
Do you want to go more in depth over what you learned in American Government? Do you want to make sure you have the speaking, listening, reading, and writing skills necessary for college? This course will go more in-depth with the branches of government and how they affect our lives in the present day. You will understand how the government works at the state and local levels. Topics will rotate based on student interest, but past topics have included foreign policy, health care, the two-party system, special interest groups and their impact on government, as well as inquiries into specific presidencies like Clinton, Bush, Obama, Trump, and Biden, as well as foreign leaders such as Vladimir Putin, Kim Jong-Un, and Xi Jinping. Course content also includes presidential elections, researching candidates, and public issues. You will write numerous essays on the content, watch documentaries, and read articles from news cycles. You will be taught to review sources with a media bias chart.			
#advanced #collegeprep #communication #hiddengem #realworld #research			

WORLD LANGUAGE

Spanish I			Mrs. Lopez
2 Credits - Elective	Grade Level: 9-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: None			

Today nearly 58 million people speak Spanish in the USA. The number doesn't stop growing - and you could be one more! Learning a new language is highly recommended and beneficial. Advantages include accessing colleges/universities, getting a better job position with a higher salary, and being able to converse with others. The main focus of Spanish I will be practicing speaking Spanish fluently. Open your mind to new challenges and opportunities, and take advantage of this incredible opportunity to learn Spanish from a fluent, native Spanish speaker!

Still interested in continuing to improve your Spanish skills, but you've already taken Spanish I? Talk to Mrs. Lopez about continuing in Spanish II, III, or even IV!

#careerprep #collegeprep #communication #introductory

MISCELLANEOUS

Freshman Seminar			Mrs. Hinsdale & Mr. McKinney
1 Credit - Required	Grade Level: 9	Length: Semester	Offered: Fall & Spring
Prerequisite: none			
<p>Wondering what high school is all about? Worried about not having all the necessary skills to achieve? No need to worry because Freshman Seminar takes you on a crash course through the next four years. You will learn and sharpen THREE essential skills found in every high school classroom: presenting, researching, and writing. In this class, you work on several high-school level presentations, read a variety of high-school level text, and at the end you craft and draft a final research paper! Sprinkled in-between those three skills, you talk to teachers and your peers about how to be successful in high school. This includes but is not limited to: time management, socioemotional skills, and stress management. Get ready for the world of high school!</p>			
#communication #introductory #research			

Senior Seminar - Career Prep			Mrs. Krueger
0.5 Credit - Required	Grade Level: 12	Length: Semester	Offered: Fall
Prerequisite: must be senior			
<p>Are you ready for life after high school? This course will focus on building your college- and career-readiness skills. Learn how to write a resume, cover letter, and personal essay, all while analyzing your post-secondary plans. You will also have hands-on experience volunteering in your community, job shadowing someone in a career of your interest, and curating your infamous "Senior Portfolio."</p>			

Note: You must also take Senior Seminar- Personal Finance to meet the Senior Seminar graduation requirement.

#careerprep #collegeprep #community #leadership #lifeskills #realworld

Senior Seminar - Personal Finance			Mr. Thompson
0.5 Credit - Required	Grade Level: 12	Length: Semester	Offered: Fall
Prerequisite: must be senior			
<p>Everyone always says, "School should teach you real life skills, like how to balance your checkbook!" Well...the time has come. In this course you will learn to balance your checkbook and manage your money. You'll learn about buying a house, taking out a loan, and paying your taxes - all the real life things you'll need to be a successful adult.</p> <p><i>Note: You must also take Senior Seminar- Career Prep to meet the Senior Seminar graduation requirement.</i></p>			
#careerprep #collegeprep #leadership #lifeskills #realworld			

Leadership			Mrs. Krueger & Mr. Hedger
2 Credits - Elective	Grade Level: 11-12	Length: Full Year	Offered: Fall & Spring
Prerequisite: must be junior or senior			
<p>Are you a sports team captain, music section leader, or club president? Are you in Hope Squad, National Honor Society, or Student Council? Are you someone who wants to make a difference in people's lives, especially within the Logan-Magnolia school community? Then you have to take this course! Leadership is designed to strengthen your personal and group leadership skills and will examine the theory of leadership by combining experiences both in and out of the classroom. Read influential books, listen to guest speakers and TedTalks, and organize a student-led service learning project. Remember, you don't need a title to be a leader. <i>"If your actions inspire others to dream more, learn more, do more and become more, you are a leader."</i> – John Quincy Adams</p>			
#careerprep #collegeprep #community #independent #leadership #lifeskills #new #realworld			

Work Study			Varies
0.125 Credits - Elective	Grade Level: 11-12	Length: Semester	Offered: Fall & Spring
Prerequisite: C- or higher in all courses the previous semester + instructor, school counselor, and administrator approval			
Would you enjoy assisting Logan-Magnolia teachers and staff? Are you responsible and dependable? If so, consider enrolling in Work Study! You will be assigned to a teacher, custodian, cook, or other staff member. Potential activities include working with younger students, designing bulletin boards, making photocopies, cleaning parts of the school, answering phones, and more. Make a positive impact on our school community!			
#community #handson #hiddengem #independent #leadership #lifeskills #realworld			

DUAL-CREDIT COURSES

Open to all qualifying students: Contracted Online Courses

- English Comp I – Must pass English 11
- English Comp II - Must pass English 11
- Introduction to Psychology
- Developmental Psychology
- Introduction to Sociology
- American National Government
- College Algebra – Must have completed Pre-Calculus/Trig
- Statistics – Must have completed Pre-Calculus/Trig
- Public Speaking
- Nutrition

Dual Credit Courses Offered at Other Schools:

- Agriculture and Animal Science courses – West Harrison
- Computer Sciences (Cyber Security) - Missouri Valley
- Early Childhood Development - West Harrison

Any dual-credit courses that students may want to take above and beyond these listed are on a case by case basis. Please talk with your school counselor and understand that additional coursework will have to be approved by the school administration and possibly by the school board.

WEIGHTED COURSES & GRADE POINT SYSTEM

LMHS's nine weighted classes are listed below and will utilize the weighted grading scale. All other classes (including college courses) will be graded on the standard grading scale.

WEIGHTED CLASSES:

1. Pre-Calculus
2. Trigonometry
3. AP Calculus
4. AP Literature
5. College Composition
6. Anatomy & Physiology
7. Chemistry
8. Physics
9. Senior Biology

Standard Grading Scale

A	4.000
A-	3.670
B+	3.333
B	3.000
B-	2.670
C+	2.333
C	2.000
C-	1.670
D+	1.333
D	1.000
D-	0.670
F	0.00

Weighted Grading Scale

A	4.330
A-	4.000
B+	3.670
B	3.333
B-	3.000
C+	2.670
C	2.333
C-	2.000
D+	1.670
D	1.333
D-	1.000
F	0.00

FOUR-YEAR PLANNING WORKSHEET

	COURSE	YEAR PLANNED	COMPLETED?	NOTES
ENGLISH (8 semesters)	English 9 (S1)			
	English 9 (S2)			
	English 10 (S1)			
	English 10 (S2)			
	English 11 (S1)			
	English 11 (S2)			
	Speech			
	Elective:			
SOCIAL STUDIES (6 semesters):	American History (S1)			
	American History (S2)			
	World History (S1)			
	World History (S2)			
	American Government			
	Elective:			
	Alg I (S1)			
	Alg I (S2)			
	Geometry (S1)			

MATH (8 semesters):	Geometry (S2)			
	Algebra II/ AlgII Concepts (S1)			
	Algebra II/ Alg II Concepts (S2)			
	Elective 1:			
	Elective 2:			
SCIENCE (6 semesters):	Physical Science (S1)			
	Physical Science (S2)			
	Biology (S1)			
	Biology (S2)			
	Elective 1:			
	Elective 2:			
OTHER (3 semesters):	Health 1/Health 2			
	Freshman Seminar			
	Senior Seminar			
ELECTIVES (19 semesters)	Elective 1:			
	Elective 2:			
	Elective 3:			
	Elective 4:			
	Elective 5:			
	Elective 6:			

	Elective 7:			
	Elective 8:			
	Elective 9:			
	Elective 10:			
	Elective 11:			
	Elective 12:			
	Elective 13:			
	Elective 14:			
	Elective 15:			
	Elective 16:			
	Elective 17:			
	Elective 18:			
	Elective 19:			