



# High School Course Offerings 2025-2026

## Table of Contents

<b>Introduction</b>	<b>2</b>
<b>Vision</b>	<b>2</b>
<b>Graduation Requirements</b>	<b>2</b>
<b>Testing</b>	<b>3</b>
<b>Grading</b>	<b>4</b>
<b>Policy for Schedule Changes</b>	<b>5</b>
<b>Course Recommendations</b>	<b>5</b>
<b>Dual Credit</b>	<b>6</b>
<b>Start College Now/Early College Credit Program</b>	<b>6</b>
<b>Pathways</b>	<b>7</b>
<b>Work-Based Learning Program</b>	<b>9</b>
<b>Course Offerings Table</b>	<b>10</b>

## Introduction

Welcome to high school! This course offering guidebook has been designed to help 9-12th grade scholars choose courses for the 2025-26 school year. Included is a list of course descriptions and programs available to scholars at The Lincoln Academy (TLA). We look forward to working with scholars to design a course plan for next year and continuing through graduation. Course plans will be created and aligned with scholars' Individualized Learning Plans (ILP).

## Vision

The Lincoln Academy will be the premier 4K-12 school in the state of Wisconsin providing college and career pathways for scholars to lead happy, choice-filled lives. TLA is committed to an equitable environment with rigorous instruction, joyous interactions, and strong community partnerships.

## Graduation Requirements

All candidates for graduation from TLA must complete 26 credits. The following credits are required for graduation:

English	4.0
Math	3.0
Science	3.0
Social Studies	3.0
Physical Education	1.5
Health	0.5
Personal Financial Literacy	0.5
Work-Based Learning	0.5
Electives	10.0
<b>Total Credits</b>	<b>26.0</b>

Scholars shall receive 1.0 credit for each two-semester course completed and 0.5 credit for each one-semester course completed.

### Wisconsin Civics Examination

According to Wisconsin Act 55, all scholars graduating from a Wisconsin high school must pass a civics test consisting of 100 questions that are identical to the 100 questions that may be asked of an individual during the process of applying for United States Citizenship. In order to pass this test, a minimum of 65% correct answers are required. The civics test is taken in Grade 9. Scholars who do not pass have the option of taking it again in Grade 11.

## **Academic and Career Plan and Presentation**

Scholars will be required to present their Individualized Learning Plan (ILP) to a review panel as part of the requirements for graduation. Scholars will be scheduled a 30-minute time slot in the second semester of their senior year to present their ILP to a panel consisting of a teacher, administrator, and community member. The ILP is developed over a scholar's school career and will include career activities, Xello findings, and projects from English, Personal Finance, and Work-based Learning. More information on the ILP presentation, including a checklist of the specific requirements, will be shared with all scholars in the fall of their senior year. Completion of the ILP and Xello will be noted on the scholar's transcript. Modifications to the ILP presentation may be noted in an Individualized Education Plan.

## **Service Learning**

All scholars must complete 40 hours of community service before graduation. Ten hours of community service will be required in middle school and an additional 30 hours in high school. This experience must be unpaid and meet the needs of the community.

## **Testing**

**9th grade:** PreACTSecure, Civics Test

**10th grade:** PreACT Secure, Forward Exam (Social Studies), AP Exams

**11th grade:** ACT, AP Exams, Civics Test (If not passed in 9th grade)

**12th grade:** Optional ACT retake, AP Exams

**\*ACCESS Test:** Annually for EL scholars

## **Testing Glossary**

### **AP-Advanced Placement Tests**

Given in May after a special course of study, these tests may be used by colleges for placement or credit. The school only offers tests for Advanced Placement courses we offer within our curriculum.

The AP Program gives scholars a chance to experience college-level classes in high school and opens the door to earning college credit before scholars ever set foot on campus. TLA offers AP courses in numerous subjects, each of which culminates in an optional exam in May. If scholars score a 3 or higher (on a scale of 1–5), they may earn college credit, skip intro-level courses, or both at thousands of U.S. colleges and universities. Earning credit in high school means paying for fewer credits in college. It also opens up scholars' schedules, allowing them to take more electives, pursue a second major, or study abroad. Regardless of a scholar's AP Exam score, taking AP courses can positively impact college applications. By taking these courses, scholars can find out what college work is like while having the support of teachers.

### **ACCESS Test**

Is administered through Grade 12 for scholars who have been identified as English Learners. It is given annually to monitor scholars' progress in learning academic English. It meets U.S. federal requirements of the Every Student Succeeds Act (ESSA) for monitoring and reporting ELs' progress toward English language proficiency. It is anchored in the WIDA English

Language Development Standards and assesses the four language domains: Listening, Speaking, Reading, and Writing.

### **ACT+Writing**

This multiple-choice test, which is required for all scholars in Grade 11, has sections in English, math, reading, science reasoning, and writing. The scores range from 0-36, and scores can be used for admission to colleges and universities across the nation and by scholarship selection committees. Although the test is required in the spring of Grade 11, scholars may take the test multiple times. If scholars are interested in taking the test outside of the mandated spring window, they should reach out to the College and Career Counselor.

### **PreACT Secure**

This summative assessment is given to scholars in Grades 9 and 10 and is aligned to the ACT and the ACT College and Career Readiness Standards. PreACT Secure measures what scholars have learned in the areas of English, reading, mathematics, and science. Scholars in Grades 9, 10 and 11 will take a paper PreAct (non-secure) in fall to prepare for the spring secure assessment.

### **Forward Exam**

This test is designed to determine how well scholars are doing in relation to the Wisconsin Academic Standards. The Social Studies portion of this test is required for all sophomores.

### **Dynamic Learning Maps**

Scholars that receive special education services and have an IEP that states that they are on an alternate curriculum, will not take the Forward Exam, PreACT, or ACT. Rather, they will take the DLM alternate assessment. This will measure scholar progress to the Essential Element Standards.

## **Grading**

<b>Grading Scale</b>		
<b>Grade</b>	<b>Range</b>	<b>Rank Points per Credit</b>
A+	98-100	4.00
A	92-97	4.00
A-	90-91	3.67
B+	88-89	3.33
B	82-87	3.00
B-	80-81	2.67
C+	78-79	2.33
C	72-77	2.00
C-	70-71	1.67
D+	68-69	1.33
D	62-67	1.00
D-	60-61	0.67
F	50-59	0.00

## Policy for Schedule Changes

A semester is approximately 18 weeks. A scholar may switch to a different course before or within the first four days of the current semester. After this window, changes within the current semester may only be made for special/unique circumstances per administrative approval.

\*Special Education scholar schedules are based on the Individualized Education Plan (IEP).

## Course Recommendations

Below is a recommendation of courses that should be taken by year. Schedules for scholars that transfer to The Lincoln Academy from another high school will be evaluated on an individual basis to determine proper sequencing of courses by the College and Career Counselor.

Grade 9		
Subject	Course Name	Credits
English	English 9	1.0
Math	Algebra I	1.0
Science	Physical Science with Earth	1.0
Social Studies	Geography	0.5
Social Studies	Civics	0.5
Physical Education	Physical Education or 1 credit NJROTC	0.5
Health	Health	0.5
Electives		2.0
Study Hall	Required Semester 1, *Optional Semester 2	0.0
Total Credits Required		7.0
Grade 10		
Subject	Course Name	Credits
English	English 10	1.0
Math	Geometry	1.0
Science	Biology	1.0
Social Studies	World History or AP World History	1.0
Physical Education	Physical Education or 1 credit NJROTC	0.5
Electives		2.5-3.5
Study Hall	*Optional	0.0
Total Credits Required		7.0-8.0

<b>Grade 11</b>		
<b>Subject</b>	<b>Course Name</b>	<b>Credits</b>
English	English 11 or one subject elective	1.0
Math	Algebra II or one subject elective	1.0
Science	one subject elective	1.0
Social Studies	US History or AP US History	1.0
Physical Education	one subject elective or 1 credit NJROTC	0.5
Finance	Personal Financial Literacy	0.5
Work-Based Learning	Internship or Youth Apprenticeship	0.0-2.0
Electives		1.5-2.5
Study Hall	*Optional	0.0
Total Credits Required		6.5-8.0
<b>Grade 12</b>		
<b>Subject</b>	<b>Course Name</b>	<b>Credits</b>
English	one subject elective	1.0
Work-Based Learning	Internship or Youth Apprenticeship	0.0-2.0
Electives		1.5-3.5
Study Hall	*Optional	0.0
Total Credits Required		2.5-5.0
<b>TLA Required Graduation Credits</b>		<b>26</b>

\*Study hall is required Semester 1 for 9th graders and all scholars who have failed 2 or more classes and/or had a GPA below 2.0 for the previous semester.

## Dual Credit

There are many options at The Lincoln Academy to earn dual credit. Advanced Standing (AS) earns a scholar credit at Blackhawk Technical College (BTC) only. To earn credit at BTC, a scholar must earn a B or higher in an Advanced Standing high school course. Transcribed Credit (TC) earns a scholar a BTC transcript credit that may transfer to other colleges. To earn a BTC transcript credit, a scholar must earn a C or higher in a Transcribed Credit high school course. Advanced Standing and Transcribed Credit courses are denoted with an DC in the Course Offering Table. Final approval to teach the noted classes as dual credit will be reviewed by Blackhawk Technical College, yearly.

## Start College Now/Early College Credit Program

The Start College Now (SCN) program permits anyone in 11-12th grade to attend a Wisconsin Technical College to take one or more courses and earn both high school and technical college credit simultaneously.

The Early College Credit Program (ECCP) permits anyone in 9-12th grade to attend a University of Wisconsin College to take one or more courses and earn both high school and college credit simultaneously.

If interested in participating in either program, scholars must submit the application to the High School College and Career Counselor by March 1 for Fall and October 1 for Spring courses. In addition, ECCP is available during the summer, with a February 1 application deadline. If a comparable course is offered at TLA the course will not be approved to take as SCN or ECCP. All University of Wisconsin System institutions and all Wisconsin Technical Colleges participate in the program. Private colleges and universities participation is an individual decision.

Once approved, scholars will apply to the college of higher education during the semester before enrollment. They must meet admission requirements and application deadlines. Scholars will only be admitted if there is room in the course. The scholar is encouraged to list alternate course selections so that the High School College and Career Counselor can determine the acceptability of alternative courses if first-choice courses are full.

Scholars will earn .25 high school credits for every one credit earned at a post-secondary institution. TLA will pay for up to 18 credits of SCN/ECCP during your time at TLA. Scholars cannot enroll in ECCP and SCN in the same semester. TLA will seek reimbursement from the parent/guardian and scholar for any class that a scholar drops or fails while participating in the SCN or ECCP.

## Pathways

Career Pathways are incorporated into scholars' course schedule. Courses within these pathways allow scholars to group their required courses and electives into a sequence, preparing scholars for careers and college. The sixteen Career Clusters will help scholars identify pathways from high school to two or four-year college, graduate school, and/or directly into the workforce. A wide variety of career possibilities can be found within the pathways. Scholars at TLA have the opportunity to take coursework in all the clusters. Below are the state-aligned Career Pathways.

<b>Agriculture, Food &amp; Natural Resources</b>	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.
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<b>Arts, A/V Technology &amp; Communications</b>	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
<b>Architecture &amp; Construction</b>	Careers in designing, planning, managing, building, and maintaining the build environment.
<b>Business Management &amp; Administration</b>	Careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.
<b>Education &amp; Training</b>	Planning, managing, and providing education and training services, and related learning support services.
<b>Finance</b>	Planning, services for financial and investment planning, banking, insurance, and business financial management.
<b>Government &amp; Public Administration</b>	Planning and performing government functions at the local, state, and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.
<b>Health Science</b>	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
<b>Hospitality &amp; Tourism</b>	Preparing individuals for employment in career pathways that relate to families and human needs such as restaurant and food/beverage services, lodging, travel and tourism, amusement, and attractions.
<b>Human Services</b>	Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.
<b>Information Technology</b>	Building linkages in IT occupations for entry-level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.
<b>Law, Public Safety, Corrections &amp; Security</b>	Planning, managing, and providing legal, public safety, protective services, and homeland security, including professional and technical support services.
<b>Manufacturing</b>	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.
<b>Marketing</b>	Planning, managing, and performing marketing activities to reach organizational objectives.
<b>Science, Technology, Engineering &amp; Mathematics</b>	Planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.
<b>Transportation, Distribution &amp; Logistics</b>	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.

## Work-Based Learning Program

TLA will graduate 100% of scholars from high school ready to be employed, enroll in college, or enlist in the armed services. Grades 9-12 will focus on skills acquisition built on scholarship. Scholars must complete either an Internship or Youth Apprenticeship in 11th and/or 12th grade. Scholars will spend 11th and 12th grade deeply engaged in opportunities related to career or technical specialty. High school scholars will have subject mastery and begin to seize individualized options tied to career interests by participating in TLA's Work-Based Learning Opportunities. Work-based learning will prepare scholars for further training at postsecondary educational institutions, businesses, or industries.

### Internship-Required (.5-2 credits) Unpaid/Paid

Scholars will:

- Participate in an unpaid/paid work-based learning experience related to their ILP
- Complete 90 hours per semester or up to 360 hours over 4 semesters
- Work at a single job site or up to 3 different placements in a semester
- Work closely with an on-site mentor

### Youth Apprenticeship-Required (1-4 credits) Paid

Scholars will:

- Participate in a one or two-year, school supervised, paid work experience related to their ILP
- Complete 450 hours of work per year
- Work at one place of employment while earning required hours
- Earn proficiency on the statewide standard skills checklist
- Participate in related classroom instruction and workplace learning
- Work closely with an on-site mentor

# Course Offerings Table

## Key

- **E**-Elective
- **R**-Required
- **G**-Elective choice-fulfills graduation requirement
- **DC**-Dual Credit

<b>ART</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>Art Foundations</b>	<b>E</b>	<b>0.5</b>	<b>9-10</b>		
In this course scholars will explore a variety of art avenues such as drawing, painting, ceramics, sculpture and design. Scholars will produce works that utilize the elements of art and the principles of design. Scholars will gain preliminary art history knowledge. There is a strong emphasis on exploration of materiality in this fundamental course.					
<b>Animation</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Art Foundations or Senior</b>
This course will focus on the process of creating animations. Scholars will explore character illustration, storyboarding, stop motion, and digital animations. Scholars will use design principles to create successful visuals that align with narratives.					
<b>Architecture and Landscape Design</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Art Foundations or Senior</b>
This course will focus on the history and artistry of design for architecture and landscape. This course will allow scholars to explore structural design through visual mapping, process, sketching, and building mockets.					
<b>Ceramics I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Art Foundations</b>
This introductory course will teach scholars about three-dimensional artwork, art history, and Ceramics as a material. Scholars will express their creativity while beginning to develop skills, knowledge, and techniques in lab management, hand-building, throwing, glazing, and sculpture.					
<b>Digital Art</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Art Foundations or Senior</b>
This course would expand scholars' knowledge of utilizing software to produce art. The scholars will produce a variety of graphics, articles, magazines, and advertisements. Scholars will explore how digital art has progressed throughout Art History. Scholars will understand the importance of applying the principles of design while producing digital work.					
<b>Drawing I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Art Foundations</b>
This course is designed for scholars who enjoy art and would like to increase their technical and observational skills in drawing. Scholars will use a variety of materials such as graphite, charcoal, colored pencil, and ink to create a body of work. This class is designed to inspire the creativity of each scholar.					
<b>Fashion Design</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Art Foundations or Senior</b>

This course will focus on the design and construction of wearables. Scholars will investigate the progression of fashion throughout history. Scholars will gain skills in fashion sketching, embellishing applications, sewing techniques, and templating. Scholars will explore a variety of textiles. Scholars will curate a fashion portfolio.

<b>Painting I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Art Foundations</b>
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Scholars will explore color while using it to develop skills in pastel, watercolor, acrylic, and mixed media painting styles. Scholars will increase their technical and observational skills in painting. This course is designed to cultivate imagination and develop higher-level thinking and self-expression.

<b>Stained Glass I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Art Foundations</b>
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In this class, scholars will explore the progression of stained glass and its place in Art History. Scholars will learn to design their own patterns as well as commercial patterns. Scholars will understand the process of creating stained glass and will create several stained glass pieces.

<b>2D Studio Art</b>	<b>E</b>	<b>0.5</b>	<b>11-12</b>		<b>Drawing II, Painting II, or Stained Glass II</b>
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This course is designed for scholars who are highly motivated and interested in the practice of art. Scholars will have the opportunity to produce works in the mediums of drawing, painting, and/or stained glass. This course offers advanced individualization through scholar-directed learning while establishing a productive studio practice. Scholars will formally display, discuss, and present their work. Scholars will refine art concepts, techniques, and artist statements while building a final portfolio.

<b>3D Studio Art</b>	<b>E</b>	<b>0.5</b>	<b>11-12</b>		<b>Ceramics II or Sculpture II</b>
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This course is designed for scholars who are highly motivated and interested in the practice of art. Scholars will have the opportunity to produce works in the mediums of ceramics and/or sculpture. This course offers advanced individualization through scholar-directed learning while establishing a productive studio practice. Scholars will formally display, discuss, and present their work. Scholars will refine art concepts, techniques, and artist statements while building a final portfolio.

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<b>BUSINESS</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
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<b>Introduction to Business</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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This course is designed to expose students to the importance of business in today's society as well as the many functions of modern business and how these functions exist in a changing society. It will also expose students to the many diverse career fields in the areas of business. Topics include the business environment, management, marketing, production, organization and administration, finance, accounting, and technological innovations.

<b>Entrepreneurship</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Introduction to Business</b>
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This is a course that further develops the necessary skills students will need to be successful in any business or marketing-related field, or if they decide to go into business for themselves. Developing marketing and entrepreneurial skills will be the prime focus. Topics covered include the various ways to enter into business, types of business ownership, marketing research, risk management, the

entrepreneurial mindset, and entrepreneurship as a career option. Students will also be developing a business plan using the lean business model as part of this course.

<b>COMPUTER SCIENCE</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>Computer Science</b>	<b>E</b>	<b>1.0</b>	<b>9-12</b>		

Computing has changed the world in profound ways: it has opened wonderful new ways for people to connect, design, research, play, create, and express themselves. However, using the computer is just a small part. This year-long course is an introductory programming course that helps prepare scholars for more advanced programming courses. This course offers a basic foundation to create graphics and actions in Python.

<b>Artificial Intelligence</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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This course will teach scholars important programming concepts that enable the use of AI in computer science and society at large. Scholars will learn the implications of AI on society and develop a series of projects that illustrate the variety of ways AI can be used to optimize and predict information.

<b>Chrome Depot</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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In this class, scholars will learn to troubleshoot and repair Chromebooks. Scholars will experience working in a real-life tech support environment while supporting technology at The Lincoln Academy. Scholars will have the opportunity to become certified as a Repair Techspert through the ACER Inspiring Training Program.

<b>Gaming Concepts</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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This course is designed to introduce scholars to the world of esports. Throughout the course, scholars will produce digital and technology artifacts. Scholars will learn about media design, streaming and shoutcasting, video and audio production, and business development.

<b>Microsoft Applications</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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This course will introduce scholars to the variety of tools in Microsoft Office Tools from Access to Word and Powerpoint. Scholars will learn how to enter data, create databases, and navigate Microsoft Office command structures using Ribbon, toolbars, and shortcuts. Topics will include subjects such as letter creation, memos, spreadsheets, and presentations.

<b>AP Computer Science Principles</b>	<b>E</b>	<b>1.0</b>	<b>11-12</b>		<b>Computer Science 3.0 GPA in same subject courses</b>
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This two-semester course will introduce scholars to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. It will allow scholars to use technology to address real-world problems and build relevant solutions. This course will prepare scholars to take the AP Computer Science Principles exam.

<b>EDUCATION</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>Introduction to Education</b>	<b>E</b>	<b>0.5</b>	<b>11-12</b>		

Scholars will analyze K4-12th grade education, determine roles and responsibilities of school personnel, and explore current trends and best practices. Scholars will identify how scholars learn

and foundations of lesson planning. Scholars analyze assessment strategies, classroom management, and techniques for supporting learners.

<b>ENGLISH</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>English 9</b>	<b>R</b>	<b>1.0</b>	<b>9</b>		
This course will take scholars through literary and informational texts that explore how individuals are affected by their choices, journeys, and interactions with others. Scholars will explore the following writing forms: narrative, informational, argumentative, research, and literary analysis. Additionally, scholars will create and share oral presentations; learn and use academic vocabulary; and learn and use grade level grammar.					
<b>English 10</b>	<b>R</b>	<b>1.0</b>	<b>10</b>		<b>English 9</b>
The course will take scholars through literary and informational texts that explore how individuals interact with each other through exchanges involving culture, language, and relationships. Scholars will explore the following writing forms: literary (narrative or personal narrative), informational, literary analysis, and argumentative. Additionally, scholars will create and share oral presentations; learn and use academic vocabulary; and learn and use grade level grammar.					
<b>English 11</b>	<b>G</b>	<b>1.0</b>	<b>11</b>		<b>English 10</b>
The American Literature Grade 11 units take scholars through literary and nonfiction texts that capture key periods in American literature, beginning with the early American period and moving through time to the contemporary moment. Scholars will explore the following writing forms: literary (narrative or personal narrative), informational, literary analysis, and argumentative. Additionally, scholars will create and share oral presentations; learn and use academic vocabulary.					
<b>English 12</b>	<b>G</b>	<b>1.0</b>	<b>12</b>		<b>English 11</b>
The Grade 12 Core ELA takes scholars through literary and nonfiction texts that explore a variety of themes, perspectives, and experiences. Scholars will explore the following writing forms: literary (narrative or personal narrative), informational, literary analysis, and argumentative. Additionally, scholars will create and share oral presentations; learn and use academic vocabulary.					
<b>English Composition I</b>	<b>G</b>	<b>0.5</b>	<b>11-12</b>		<b>English 10</b>
This course is designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing, and revising are applied through a variety of activities. Scholars will analyze the audience and purpose, use elements of research, and format documents using standard guidelines. Individuals will develop critical reading skills through the analysis of written documents. This course must be taken the same year as Introduction to Communications & Speech.					
<b>Introduction to Communications &amp; Speech</b>	<b>G</b>	<b>0.5</b>	<b>11-12</b>		<b>English 10</b>
This course emphasizes public speaking, verbal and nonverbal communication, critical thinking, cross-cultural communication, perception and self-concept, and strategies to overcome performance anxiety. Scholars will complete individual presentations, group activities, and research projects. Scholars will utilize and develop reading, writing, listening, and speaking skills. This course must be taken the same year as English Composition 1.					
<b>Visual Journalism</b>	<b>G</b>	<b>0.5</b>	<b>11-12</b>		<b>English 10</b>

In this course, scholars will experience an emphasis on the principles and practices of journalism. Due to the interwoven nature of the multimedia age, scholars will focus on developing their visual literacy skills, as well as their oral presentation skills. Using print design, photography, video, and audio, scholars will document and tell the stories of the diverse and vibrant happenings in their local community and will have opportunities to explore the rich culture of the Beloit area.

<b>AP Literature and Composition</b>	<b>G</b>	<b>1.0</b>	<b>11-12</b>		<b>3.0 GPA in same subject courses</b>
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In this course, scholars will learn how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. Scholars will read literary works and write essays to explain and support analysis of them. This course will prepare scholars to take the AP Exam.

<b>Broadcast Media</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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Scholars will learn about basic principles, procedures, and techniques of television production in this course, including video control, special effects, operation of cameras and editing machines, composition, lighting, staging and directing, on-camera announcing and interviewing.

<b>Yearbook</b>	<b>E</b>	<b>1.0</b>	<b>9-12</b>		
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In this course, scholars will publish a yearbook for their peers. Scholars will learn the basics of yearbook journalism - book functions, page layout, design, copywriting, editing, graphics, special effects, indexing, and scholar press law. Scholars interested in photography will study picture composition, photo organization, and editing in Yearbook Avenue. Scholars will choose a section of the yearbook to apply these skills independently. Scholars will be required to take pictures for their section, which may require attending events outside the regular school day.

<b>FINANCIAL LITERACY</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>Personal Financial Literacy</b>	<b>R</b>	<b>0.5</b>	<b>11</b>		

This course is designed to equip high school scholars with the knowledge and skills necessary to manage their personal finances effectively. scholars will learn "Real Life" skills that scholars can utilize throughout their own lives. Financial Literacy topics include taxes, checking accounts, saving, types of credit, investing, insurance, and budgeting.

<b>HEALTHCARE</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>EMT</b>	<b>E</b>	<b>1.0</b>	<b>12 DC</b>		

This course prepares scholars for the National Registry of EMTs Emergency Medical Technician level test which leads to licensure as an EMT in Wisconsin. The course emphasizes emergency medical skills needed to stabilize both trauma and medical patients in a prehospital setting within the guidelines of Medical Control. The course covers basic anatomy and physiology, patient and scene assessment, patient stabilization and intervention techniques, medical-legal aspects, and patient packaging and transportation to the hospital.

<b>MATHEMATICS</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>Algebra I</b>	<b>R</b>	<b>1.0</b>	<b>9</b>		

Algebra is designed to give scholars a foundation for all future mathematics courses. The fundamentals of algebraic problem-solving are explained. scholars will explore: foundations of Algebra, solving equations, solving inequalities, an introduction to functions, linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations, and data analysis and probability. Throughout the course, Common Core standards are taught and reinforced as the scholar learns how to apply the concepts in real-life situations.

<b>Geometry</b>	<b>R</b>	<b>1.0</b>	<b>10</b>	<b>Algebra I</b>
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Geometry reviews the geometric concepts of previous math courses while encouraging and guiding scholars in the discovery of new geometric concepts. Geometry stresses the ability to reason logically and to think critically. A major part of the course will be devoted to teaching scholars how to present formal proof. Geometric properties of both two and three dimensions are emphasized as scholars apply to points, lines, planes, circles, and polygons.

\*May take this course in 9th grade if Algebra I was taken in 8th grade with a grade of "B" or higher.

<b>Algebra II</b>	<b>G</b>	<b>1.0</b>	<b>11</b>	<b>Geometry</b>
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This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. It also introduces matrices and their properties. The content of this course is important for scholars' success on both the ACT and college mathematics entrance exams. This course satisfies the University of Wisconsin System Requirements.

<b>Probability &amp; Statistics</b>	<b>G</b>	<b>1.0</b>	<b>11-12</b>	<b>Geometry</b>
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This full-year high school course provides an alternative math credit for scholars who may not wish to pursue more advanced mathematics courses such as Algebra II and Pre-Calculus. The first half of the course begins with an in-depth study of probability and an exploration of sampling and comparing populations and closes with units on data distributions and data analysis. In the second half of the course, scholars create and analyze scatter plots and study two-way tables and normal distributions. Finally, scholars apply probability to topics such as conditional probability, combinations and permutations, and sets.

<b>Trade Math</b>	<b>G</b>	<b>1.0</b>	<b>11-12</b>	<b>Geometry</b>
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This math course will provide scholars with a mathematical foundation for technical and vocational trades, including electrical trades, automotive trades, plumbing, allied health, construction and many more. Concepts are presented entirely within the context of practical on-the-job applications, making the math tangible and relevant. An emphasis on readability ensures that scholars of all levels will be able to follow the examples. This course can be taken in place of Algebra II if not planning on attending a four-year school.

<b>PreCalculus</b>	<b>G</b>	<b>1.0</b>	<b>11-12</b>	<b>Algebra II</b>
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Pre-Calculus weaves together the previous study of algebra, geometry, and mathematical functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Throughout the course, Common Core standards are taught and reinforced as the scholar learns how to apply the concepts in real-life situations. Topics include fundamental concepts of Algebra, functions, and graphs, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, topics in trigonometry, systems of equations and inequalities, matrices and



determinants, conic sections and analytic geometry, combinatorics, binomial theorem, sequences and series, and an introduction to Calculus.

<b>AP Calculus AB</b>	<b>G</b>	<b>1.0</b>	<b>12</b>		<b>PreCalculus 3.0 GPA in same subject courses</b>
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AP Calculus AB is an introductory college-level calculus course. Scholars cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

**Algebra Placement**

Scholars completing Algebra I in 8th grade will receive 1.0 credit, which will count toward the math graduation requirement. This is dependent upon state exam proficiency and previous course record. If your scholar has taken Algebra I as an 8th grader, please contact Ms. Flitz at (608) 690-5105 or email her at kari.flitz@tlabeloit.com to discuss high school math course options.

<b>MUSIC AND THEATER</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>Choir</b>	<b>E</b>	<b>1.0</b>	<b>9-12</b>		

This year-long course is designed to provide scholars with a rich and immersive experience in choral music. Through a blend of vocal training, music theory, and ensemble performance, scholars will develop their singing skills, musicality, and appreciation for a diverse range of choral repertoire. Open to scholars of all singing abilities and musical backgrounds.

<b>Music Engineers I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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This course is designed to introduce scholars to the technical and creative aspects of music production and audio engineering. This hands-on course is suitable for scholars interested in the intersection of music and technology, providing them with practical skills in recording, mixing, and producing music using digital audio workstations (DAWs) and various audio equipment.

<b>Music Engineers II</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>		<b>Music Engineers I</b>
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This advanced course builds upon the foundational concepts introduced in Music Engineers I. This course is designed for scholars who have completed the introductory level or have a strong background in music technology. Scholars will deepen their understanding of advanced audio engineering techniques, production workflows, and emerging technologies in the field of music production.

<b>TLA Rock Band</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Build-a-Band or Music Foundations</b>
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This course is a continuation of the Build-a-Band Exploratory and Music Exploration. The course is designed for scholars to work as a group developing their instrument and band skills culminating in a final Rock Band Performance in front of an audience.

<b>Music Foundations</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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This course is designed to introduce how to read music, how to play an instrument, and composing music. The following instruments are available: Piano, Electric Guitar, Electric Bass Guitar, Ukulele,

Electric Drums, and other instruments may be considered but must be approved in advance by the Music Teacher. This class is a prerequisite for TLA Rock Band.

<b>Acting I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
Suitable for scholars with varying levels of experience, this course is designed to provide scholars with a comprehensive exploration of the art and craft of acting. Through a combination of practical exercises, script analysis, and performance opportunities, scholars will develop their acting skills and gain a deeper understanding of the theatrical arts.					

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<b>PHYSICAL &amp; HEALTH EDUCATION</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
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<b>General Physical Education</b>	<b>G</b>	<b>0.5</b>	<b>9-12</b>		
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Scholars will engage in a variety of moderate to vigorous physical activities to promote lifelong health and wellness. Experiences will include but are not limited to: fitness activities, fitness testing, fitness concepts, individual activities, team activities, and dance.

<b>NJROTC</b>	<b>G</b>	<b>1.0</b>	<b>9-12</b>		
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Navy Junior Reserves Officer Training Corps Program is a multi-year program that runs concurrently with a cadet's educational course of study. The purpose is to instill the values of citizenship, service to the United States, personal responsibility and a sense of accomplishment. NJROTC cadets will participate in drills, physical training, and other activities. Upon successful completion of three years in the NJROTC program, a Cadet can enter into the Navy with a rank E-3 (Seaman) with all of the pay and benefits ascribed.

<b>Personal Fitness</b>	<b>G</b>	<b>0.5</b>	<b>10-12</b>		<b>General Physical Education</b>
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Scholars will have the opportunity to experience a course that is devoted to the development of strength and performance. Fundamental and advanced techniques will be applied to resistance/training, and functional fitness concepts will be applied to enhance the scholar's power and agility. Movements and exercises will be designed to resist injury. This course is designed to accommodate scholars with a variety of training needs. Additional concepts such as nutrition, healthy habits, and leadership will be applied in this course.

<b>Team Sports</b>	<b>G</b>	<b>0.5</b>	<b>10-12</b>		<b>General Physical Education</b>
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This course focuses on physical activities and sports that can be carried out with any number of players. Rules, skill refinement, teamwork, communication, cooperation, and officiating are topics covered in the course. Team sports include volleyball, basketball, softball, kickball, flag football, soccer, and swimming. Scholars will have the opportunity to become certified officials when passing the officiating exam.

<b>Health</b>	<b>R</b>	<b>0.5</b>	<b>9</b>		
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This required course will explore the health topics of health and wellness, social health, dating relationships, bullying and cyberbullying, emotional health, mental and emotional disorders, conflict resolution, violence prevention, nutrition, physical activity, reproductive health and STDs, personal health care, body systems, tobacco, alcohol, drugs, medicines, diseases, safety, and environmental health.

<b>SCIENCE</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b><i>Physical Science with Earth</i></b>	<b><i>R</i></b>	<b><i>1.0</i></b>	<b><i>9</i></b>		
This activity-oriented laboratory science course is designed to prepare scholars for success in upper-level science courses. The topics covered will include an introduction to chemistry, some conceptual physics, energy in our world, and natural disasters. The content will include some basic algebra that will help prepare scholars for Chemistry and Physics later in their high school careers. The concepts covered in this course are designed to relate to the scholars' everyday life as well as build their investigative skills and physical science and earth science background.					
<b><i>Biology</i></b>	<b><i>R</i></b>	<b><i>1.0</i></b>	<b><i>10</i></b>		<b><i>Physical Science</i></b>
Biology is the scientific study of living organisms. This lab-based course covers the following topics: basic biochemistry; structure, organization & energy use of cells; microorganisms; genetics; taxonomy; and plant biology, animal biology & environmental biology. Dissection is a requirement for the lab component of this course.					
<b><i>Chemistry</i></b>	<b><i>G</i></b>	<b><i>1.0</i></b>	<b><i>11-12</i></b>		<b><i>Biology</i></b>
Chemistry covers fundamental chemistry principles and their application. Topics will include laboratory safety and techniques, scientific problem solving, matter and energy, atomic structure, the periodic table, chemical bonding theories, nomenclature, chemical reactions, acids and bases, solutions, reaction rates, and nuclear chemistry. Chemistry is a laboratory-based course where laboratory safety and techniques will be developed. Scholars will learn the relationship between math and science.					
<b><i>Earth Science</i></b>	<b><i>G</i></b>	<b><i>1.0</i></b>	<b><i>11-12</i></b>		<b><i>Biology</i></b>
In this class, we will take a fresh look at Earth Science through investigations, hands-on activities, and explorations into topics including such as the Earth system including its history, the fast and slow changes to Earth's surface, its natural resources, and human impacts on Earth as well as Earth in the solar system and space.					
<b><i>Ecology</i></b>	<b><i>G</i></b>	<b><i>0.5</i></b>	<b><i>11-12</i></b>		<b><i>Biology</i></b>
This course will build on concepts learned in Biology and Earth Science. Specifically, scholars will come to understand the intricate relationships between species and their environments, abiotic and biotic factors, population dynamics, nutrient cycling, biodiversity, and human impact on the environment. Through hands-on investigations, field studies, and data collection, scholars will deepen their understanding of ecological processes and conservation practices.					
<b><i>Physics</i></b>	<b><i>G</i></b>	<b><i>1.0</i></b>	<b><i>11-12</i></b>		<b><i>Chemistry</i></b>
This course covers mechanics in one dimension, mechanics in two dimensions, momentum and energy, waves and light, electricity and magnetism, and subatomic physics, as well as cross-curricular earth science topics. Through inquiry-based and hands-on investigations of real-world phenomenon, scholars will construct explanations for scientific phenomenon and design solutions for real-world problems.					
<b><i>Anatomy and Physiology</i></b>	<b><i>G</i></b>	<b><i>1.0</i></b>	<b><i>11-12</i></b>		<b><i>Chemistry</i></b>
In this course, scholars will connect with the accessible, engaging, and relevant content that integrates real-world issues, clinical applications, and the latest scientific advancements. It					

introduces scholars to a variety of fields of practice and related occupations. Scholars will complete many anatomy and physiology labs.

<b>Animal Science</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	
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Animal Science will provide scholars with the foundation needed to work with beef cattle, swine, sheep, dairy, poultry, as well as companion animals. In this course, scholars will learn about nutrition, disease, prevention and treatment, and how to work with and manage a wide variety of animals.

<b>Plant Science</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	
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Scholars will explore markets and trends in the ever-growing hydroponics farming industry. This course provides fundamental knowledge of the horticultural industry. Topics include pollinating and propagating plants, germinating seeds, plant nutrients, and factors affecting photosynthesis, respiration, and transpiration. Scholars will experience plant components and their functions through the completion of hands-on activities in the hydroponics lab.

<b>SOCIAL STUDIES</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
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<b>Human Geography</b>	<b>R</b>	<b>0.5</b>	<b>9</b>		
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In this course, scholars will make connections between geography, people, and the world in which we live, and will explore issues relating to human geography. scholars will explore issues relating to human geographies such as labor migration, energy resources and indigenous rights, and the socioeconomic status of women.

<b>Civics</b>	<b>R</b>	<b>0.5</b>	<b>9</b>		
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This course combines the basic concepts of government with the three branches of government. It explores the rights and responsibilities of citizens in the world of politics as well as intelligent decision-making in the marketplace. Scholars will learn about the constitution and be ready to be a more knowledgeable citizen upon completion of this course. Scholars will prepare for the DPI Civics Exam. This course will support scholars taking the Civics Exam, which is a graduation requirement.

<b>World History</b>	<b>R</b>	<b>1.0</b>	<b>10</b>		<b>Human Geography, Civics</b>
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This course begins with the rise of civilization in Mesopotamia and continues to the modern era. scholars will explore events and themes that have led to the development of our modern world. This course will stress government, world religions, and economics while using inquiry-based thinking, research skills, and primary sources.

<b>AP World History</b>	<b>G</b>	<b>1.0</b>	<b>10-12</b>		<b>3.0 GPA in same subject courses</b>
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This course content is focused on the investigation of themes in chronological periods from approximately 1200 CE to the present. The class prepares scholars for intermediate and advanced college courses with a chance to earn college credits through the AP World History Exam. This course may be taken in place of World History.

<b>US History</b>	<b>R</b>	<b>1.0</b>	<b>11</b>		<b>World History</b>
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This course walks scholars through historical themes from the founding of the nation to today. Themes include American Character, American Identity, War and Peace, American Presidency, Economic Development, Civil Rights, and Twentieth-Century Culture. scholars will be introduced to

many primary and secondary sources and learn a variety of critical thinking and inquiry skills that will help them make modern-day connections to the many themes of U.S. History.					
<b>AP US History</b>	<b>G</b>	<b>1.0</b>	<b>11-12</b>		<b>3.0 GPA in same subject courses</b>
AP U.S. History is designed to provide scholars with the skills and factual knowledge to deal critically with the problems and materials in U.S. History. The class prepares scholars for intermediate and advanced college courses with a chance to earn college credits through the AP U.S. History Exam. This course may be taken in place of US History.					
<b>Criminal Law</b>	<b>E</b>	<b>0.5</b>	<b>11-12</b>		
Scholars will examine many aspects of criminal law including the cause of crime, victims, trial procedures, gangs, capital punishment, juvenile justice, and much more. Scholars will participate in mock trials.					
<b>Economics</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>		
Economics is a complex and interesting subject involving consumers, businesses and the government as participants in an increasingly global marketplace. Scholars will learn and practice basic microeconomic and macroeconomic concepts.					
<b>Sociology</b>	<b>E</b>	<b>0.5</b>	<b>11-12</b>		
This course introduces scholars to the basic concepts of sociology: culture, socialization, social stratification, multiculturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.					
<b>Psychology</b>	<b>E</b>	<b>0.5</b>	<b>11-12</b>		
In this course, scholars will explore the overarching themes represented in the American Psychology Association National Standards and present current knowledge in the field of psychology in developmentally appropriate ways.					
<b>AP U.S. Government and Politics</b>	<b>G</b>	<b>0.5</b>	<b>11-12</b>		<b>3.0 GPA in same subject courses</b>
This course is an introductory college-level course in U.S. government and politics. Scholars cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.					
<b>TECHNOLOGY EDUCATION</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
<b>Construction I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
In this introductory construction course, scholars will learn about safety, construction math, hand tools, power tools, construction drawings, communication and employability skills, and material handling. Scholars will engage in hands-on labs utilizing the latest technology related to construction. All scholars interested in taking the Construction Mod classes must take this course first.					
<b>Construction II</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		<b>Construction I</b>
In this course, scholars will learn how to build a house from the foundation to the roof. Scholars will learn the skills and techniques necessary to be successful in the field of construction.. Scholars will					

be introduced to electrical, plumbing, interior and exterior wall systems, stair design and roof systems. Through this hands-on course, scholars will have the opportunity every day to learn and demonstrate the latest trades in construction

<b>Construction III</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>		<b>Construction II</b>
Scholars will learn how to plan a construction project from the management side. Scholars will work with a design, create a budget, and be responsible for the logistics of the entire project and will learn how to create project timelines. Scholars will build a construction project for the community, building upon the construction skills learned in Construction I and Construction I. Scholars will become more skilled in the field as they learn more advanced skill sets in each category.					
<b>Construction IV</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>		<b>Construction III</b>
Scholars will design, and construct a project for the community. Scholars will focus on the logistics of planning the project, including materials, and a schedule. Scholars will then build the project using the latest building technology system seen in today's construction industry.					
<b>Cabinetry</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>		<b>Construction I</b>
In this course, scholars will be introduced to cabinetry and the careers associated with it. This course teaches scholars how to plan and complete cabinetry projects, including furniture and millwork. Scholars will learn how to read shop drawings, prints, and specifications. Scholars will demonstrate how to operate power tools and equipment safely. Scholars will design, layout, and construct projects. Scholars will learn to select the right materials, determine the best procedures, manufacture parts to specifications, and assemble and finish projects.					
<b>Welding I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	
In this course, scholars will learn about the history of welding, basic metallurgy, weld defects, and common welding processes and practices. This course will familiarize scholars with national safety rules and regulations of the welding industry, personal protective gear, and machine operation. Scholars will be introduced to the four main welding processes including Gas Metal Arc Welding (GMAW), Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), and Flux-Core Arc Welding (FCAW).					
<b>Welding II</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	<b>Welding I</b>
Scholars will develop skills in Gas Metal Arc Welding (GMAW) and Shielded Metal Arc Welding (SMAW) in this course. Scholars will learn about machine settings, theory, filler metals, polarities, and welding processes for both. Scholars will make welds in the flat, horizontal, and vertical position on carbon steel while learning how to read blueprints. Scholars will learn how to program and operate the metal-cutting plasma table. Scholars will design and fabricate their own custom metal projects.					
<b>Metal Fabrication I</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>	<b>DC</b>	<b>Welding II</b>
Metal fabrication exposes scholars to fabrication techniques used in industry to join metal. Scholars will learn how to metal form using the latest laser technologies. Scholars will learn how to cut, notch and bend pipes. Scholars will learn the proper design techniques for metal fabrication.					
<b>Metal Fabrication II</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>	<b>DC</b>	<b>Metal Fabrication I</b>
Metal Fabrication II focuses on metal manufacturing. This course will culminate all the metal working classes so far. Scholars will design and fabricate a capstone project from the ground up. Scholars will utilize 3D modeling, laser programming, and metal fabrication to design a project.					
<b>Engineering</b>	<b>E</b>	<b>0.5</b>	<b>11-12</b>		

This course will expose scholars to the design process, research and analysis, engineering standards, and technical documentation. Scholars will have the opportunity to problem-solve and develop skills and course concepts through 3-D modeling and fabrication. Scholars will explore the seven facets of engineering through hands-on inquiry-based lessons and labs. Scholars will have the opportunity to apply their own creative problem-solving methods to design, develop and fabricate alternative solutions to real-world problems.

<b>Robotics I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	
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Scholars will be introduced to the basics of robotics in this course. This includes defining specific terminology, types of configurations, specifications, and application characteristics of robots. Scholars will examine the basic parts of the robot and demonstrate their knowledge through the operation of these systems in laboratory exercises. Scholars will learn how to program the most current robots used in the automated manufacturing industry.

<b>Robotics II</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	<b>Robotics I</b>
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Scholars will learn about Industry level robotics, and how to program them. Scholars will learn how to program a Fanuc pick and place robot. Scholars will build a mini work cell that emulates a manufacturing facility.

<b>CNC I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	
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In this course, scholars will be introduced to the CNC Mill. Scholars will focus on milling operations, setup, and fundamentals of manual programming utilizing conversational programming. Scholars will perform these tasks on a desktop CNC machine.

<b>CNC II</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	<b>CNC I</b>
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Scholars who have completed CNC 1 will take a deeper look into CNC and CAM (computer aided machining). Scholars will learn how to program and operate a CNC Lathe. Scholars will build on their skills learned in Intro to CNC and expand their abilities by manufacturing custom parts, using jigs and fixtures scholars create.

<b>CNC III</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>	<b>DC</b>	<b>CNC II</b>
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CNC III will introduce scholars to the CNC Lathe . Scholars will learn how to program conversational and CAM to fabricate parts using Fusion 360 and PathPilot. Scholars will continue their CNC programming skills on the 4x8 CNC router and 1100MX. Scholars will build a work cell that incorporates a “Pick and Place Robot” and CNC Mill communicating together to mass produce parts in an automated work cell.

<b>3D Modeling I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>	<b>DC</b>	
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Scholars will learn how to 3D model using Fusion 360. 3D modeling is the root of technology we offer here at TLA. Scholars need to know how to design, 3D model, create assemblies and animations within a 3D modeling software in order to properly utilize the technology we have in our labs. Whether scholars are using the 3D printer, laser, cnc or router it all starts with 3D modeling.

<b>Innovation Lab I</b>	<b>E</b>	<b>0.5</b>	<b>9-12</b>		
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This course builds on scholars' makerspace experience as scholars work collaboratively to bring awareness to and solve a problem in their school or local community. This course emphasizes scholar-driven project-based learning and requires scholars to take initiative, manage time, track progress, communicate professionally, and give and receive peer feedback. Throughout the course, scholars will build on makerspace skills including using more advanced computer-aided design and

earning NC3 certifications for 3D printing, laser cutting/engraving, and CNC. Scholars will engage in hands-on projects and will leave this course with the skills needed to be successful in future technology and engineering courses.

<b>Manufacturing Enterprise Practicum</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>		
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Manufacturing Practicum Enterprise is a class that will expose scholars to the manufacturing process. Scholars will learn about manufacturing from the standpoint of design, part production, packaging, marketing, sales, and distribution. Scholars will create a company, design a product, market it, mass produce and distribute and sell. Scholars will understand the many different disciplines and careers within manufacturing through a hands-on practicum enterprise course.

<b>Supermileage Vehicle I</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>		<b>Welding I</b>
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In this course scholars will research, design, build, fabricate and test an energy-efficient vehicle. This is an engineering course that challenges scholars to design, fabricate, and test an energy-efficient vehicle. The course exposes scholars to digital design, metal fabrication, welding, and electronics. Throughout the duration of the class, scholars will be learning about vehicle efficiency design systems. Scholars will design a chassis, drive train, and steering and braking systems. At the completion of the class, scholars will test their vehicles at various challenges across the state.

<b>Supermileage Vehicle II</b>	<b>E</b>	<b>0.5</b>	<b>11-12</b>		<b>Supermileage Vehicle I</b>
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Scholars will modify and improve the vehicles they built in Supermileage 1. Scholars will learn how to take data on battery efficiency and drive strategy to increase the performance of their electric endurance vehicles. Scholars will make improvements and modifications to the vehicle based on their testing and data. Scholars will fabricate a carbon fiber mono body replacing the current body.

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<b>WORLD LANGUAGES</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
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<b>French I</b>	<b>E</b>	<b>1.0</b>	<b>9-12</b>		
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Scholars begin their introduction to French by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading, and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar.

<b>French II</b>	<b>E</b>	<b>1.0</b>	<b>10-12</b>		<b>French I</b>
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Scholars continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. scholars not only begin to comprehend listening and reading passages more fully, but scholars also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading, and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities.

<b>Spanish I</b>	<b>E</b>	<b>1.0</b>	<b>9-12</b>		
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Scholars begin their introduction to Spanish by focusing on acquiring the language through many input-based activities such as listening to co-created stories, reading and translating texts, and



playing acquisition-based games. Scholars also apply their knowledge to the four key areas of world language study: listening, speaking, reading, and writing. Each unit consists of contextualized vocabulary, stories, songs, and a cultural component. This course is for scholars who do not already speak or know Spanish and is geared toward beginners of the language.

<b>Spanish II</b>	<b>E</b>	<b>1.0</b>	<b>10-12</b>	<b>Spanish I</b>
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Scholars continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Scholars not only begin to comprehend more complex listening and reading passages, but they also start to express themselves more meaningfully in both speaking and writing tasks. Each unit consists of contextualized vocabulary, stories, songs, and a cultural component. This course is for scholars who know some or basic Spanish, but may not speak, read or write fluently yet.

<b>Spanish III</b>	<b>E</b>	<b>1.0</b>	<b>11-12</b>	<b>Spanish II</b>
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Intermediate Spanish scholars who have a strong base of vocabulary, speaking, and listening skills reach a new level of mastery and fluency in this course. Through games, project-based learning, and compelling stories and novels, scholars learn advanced grammar and vocabulary, with an emphasis on written and spoken accuracy and proficiency. Scholars will develop their own personal dictionary throughout this course and will read 2-3 full-length novels in Spanish.

<b>AP Spanish Language &amp; Culture</b>	<b>E</b>	<b>1.0</b>	<b>12</b>	<b>3.0 GPA in same subject courses</b>
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The AP® Spanish Language and Culture course is an advanced language course in which scholars acquire proficiencies that expand their cognitive, analytical, and communicative skills. The AP® Spanish Language and Culture course prepares scholars for the AP® Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive, and Presentational) as defined in the Standards for Foreign Language Learning in the twenty-first century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish.

<b>Spanish in the Workplace</b>	<b>E</b>	<b>0.5</b>	<b>10-12</b>	<b>Spanish I or Pass Spanish I Placement Test</b>
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Spanish in the Workplace is a semester-long course designed for scholars who know some Spanish and are particularly interested in applying their language skills to the workplace context. This course is structured around workplace site visits in the following domains: health and medicine, manufacturing, social services, entrepreneurship, and leadership. This course will be conducted in English and Spanish.

Prerequisite: Spanish I or pass the Spanish I placement test.

**Spanish I Placement Exam:**

Scholars who speak Spanish may request to take a Spanish Placement Exam to pass out of Spanish I and into Spanish II. This assessment will determine mastery of concepts learned during Spanish I. Scholars that pass will be scheduled into Spanish II, but not receive credit for Spanish I. Scholars should contact Mrs. Wolf at (608) 690-5117 or email her at [erin.wolf@tlabeloit.com](mailto:erin.wolf@tlabeloit.com) if they are interested in taking the Spanish Placement Exam.

<b>WORK-BASED LEARNING</b>	Elec/Req	Credits	Grades	Dual Credit	Prerequisites
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<b><i>Craftsman with Character</i></b>	<b>G</b>	<b>0.5</b>	<b>11-12</b>	
<p>In this course scholars will spend four days a week at various companies learning about the jobs available. The fifth day of the week is in a company classroom where scholars will reflect on their experiences, learn about themselves, their life goals, and how to achieve them. Scholars will be at the job site for 90 minutes a day and rotate to a new business every two weeks. This course is a great way for scholars to explore manufacturing, trades, and other hands-on jobs in our communities.</p>				
<b><i>Internship</i></b>	<b>G</b>	<b>0.5-1</b>	<b>11-12</b>	
<p>This course is an opportunity for a scholar to explore a career of interest identified in his/her ILP. Scholars will connect classroom educational experiences while learning from a mentor on the job. This experience can be paid or unpaid. Scholars can complete a minimum of 90 hours at one placement or up to three different placements within the same pathway. Scholars will develop work habits and a network of contacts in the scholar's interested career field.</p>				
<b><i>Youth Apprenticeship</i></b>	<b>G</b>	<b>1-2</b>	<b>11-12</b>	
<p>This course is an opportunity for a scholar to explore a career of interest identified in his/her ILP. Scholars will connect classroom educational experiences while learning from a mentor on the job. The scholar must be paid during this experience. Scholars will be required to complete 450 hours for level 1. Scholars completing Level 2 will need to complete a total of 900 hours. Scholars will develop work habits and a network of contacts in the scholar's interested career field.</p>				