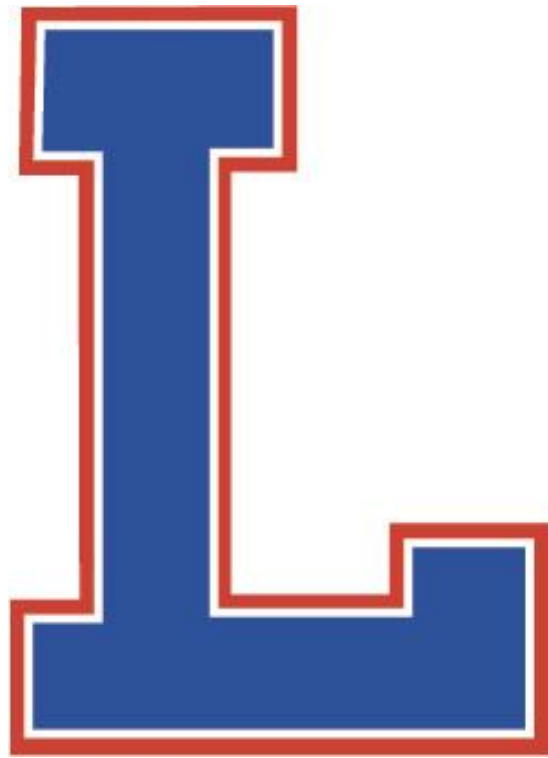


**LAKEWOOD H.S.**



**CURRICULUM &  
COURSE OFFERINGS**

**2026/2027**

## LAKWOOD HIGH SCHOOL

### CURRICULUM & COURSE OFFERINGS

Parent/Student Letter	3
Lakewood Graduation Course & Credit Requirements	4
Fine Art Requirements	4
Typical Class Scheduling	4
Typical Progress Towards Graduation	4
Ohio Graduation Requirements- 2023 & Beyond	5-7
AP vs CCP?	8
AP Class Information	9
College Credit Plus Program (CCP)	9-12
Sample CCP Pathway- COTC	13
Diploma with Honors	14-15
Valedictorian & Salutatorian Information	16
Academic Distinctions	16
Schedule Change Policy	17
Middle School Earned Credits	17
Credit Flex Program	17
CTAG Course Information	18
Student Clubs	18
Work Program information	19
<u>Course Descriptions</u>	
Business	20
Career Based Intervention	21
English	22-24
English Electives	25
Family & Consumer Science	26
Health/Physical Education	27-28
Information Technology	29-30
Math	31-33
Performing Arts	34-35
Science	36-39
Social Studies	40-42
STEM	43-44
Visual Arts	47-48
World Languages	49
<u>APPENDICES</u>	
A- Career Pathway Guide	50-60
B- College Edge Pathway	61-62
C- Career Credentials	63
D- Course Registration Worksheet	64
E- Senior, Junior, Sophomore Electives	66
F- Freshman Electives	66
G- AP Contract	67
H- CCP Intent Form	68

ADDITIONAL ITEMS

Non-Discrimination Statement  
Mission Statement

69  
69

**Lakewood High School**

**9331 Lancer Road**

**Hebron, Ohio 43025**

**(740)928-4526 office**

**(740)928-3731 fax**

Dear Parents and Students,

Planning your course schedule is an exciting opportunity to shape a successful and meaningful high school experience. The classes students choose help them stay on track for graduation while also allowing them to explore interests, discover strengths, and prepare for future goals. We encourage students and parents to review this curriculum guide together and take advantage of the many opportunities available.

Our schedule includes a wide variety of courses offered in traditional periods, allowing us to provide flexibility and meet the diverse needs of our students. While every effort is made to offer the courses listed, availability is based on student interest and staffing considerations. Your thoughtful course selections play an important role in helping us build the best possible schedule for the upcoming school year.

This coursebook/curriculum guide is designed to support you throughout the scheduling process and includes helpful information to assist with informed decision-making. If you have questions or would like additional guidance, please feel free to contact the high school—we are happy to help.

Respectfully,

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## LAKWOOD GRADUATION CREDIT REQUIREMENTS- CLASS OF 2027 & BEYOND – 21 CREDITS\*

English – 4.0	Physical Education – .50 (2x.25)
Math – 4.0 ( <b>Algebra 1, Geometry, Algebra 2 or equivalent, 1 other</b> )	Careers – .50
Science – 3.0 ( <b>1 Physical &amp; 1 Biology, 1 other</b> )	Health – .50
Social Studies – 3.0 ( <b>1 World History &amp; 1 US History &amp; 1 US Government</b> )	Information Technology – .50
Fine Art- 1.0 or equivalent - (see below)	Electives – 4.50
Financial Literacy- .50	

*\*Even though the state only requires 20 credits to graduate, Lakewood requires 21 credits.*

### FINE ARTS REQUIREMENT: TWO SEMESTERS OR THE EQUIVALENT

- Coursework is to be completed in grades 7 through 12.
- Permits students in grades 7 or 8 to count the course toward the fine art requirement. (No Credit Earned)
- Fine Art taken in grades 9-12 will count towards GPA calculation and in the total elective credit count.

### TYPICAL CLASS SCHEDULING

Points for Lakewood students to keep in mind when selecting courses:

- You are required to take: 5 full credits each semester.
- You are only permitted to select one Lunch and AA period.

9 <sup>th</sup> GRADE	10 <sup>th</sup> GRADE	11 <sup>th</sup> GRADE	12 <sup>th</sup> GRADE
1 credit English 1	1 credit English 2	1 credit English 3, AP, or CCP	1 credit English 4, AP, or CCP
1 credit Math	1 credit Math	1 credit Math	1 credit Math
1 credit Science	1 credit Science	1 credit Science	1 credit Science
1 credit World History	1 credit US History	1 credit Government	1 credit History
.25 credit Physical Education	.25 credit Physical Education	.50 Fine Art	.50 Fine Art
.50 credit Information Technology	.50 credit Careers	.50 Financial Literacy	Elective
.50 credit Health	Elective	Elective	Elective
Elective	Elective	Elective	Elective

Students who do not complete the 9<sup>th</sup> & 10<sup>th</sup> grade credits by the end of their sophomore year are in danger of being denied admittance to C-TEC. Students wanting to attend C-TEC must complete Algebra 1 by the end of 10<sup>th</sup> grade.

### TYPICAL PROGRESS TOWARD GRADUATION

For the purpose of testing and state reports, promotion is based on the number of years attending high school. However, below is the number of credits that should be earned by the end of each year to be making satisfactory progress toward graduation. **Please monitor your credits.**

- By the end of Freshman year– a minimum of 5 ½ credits
- By the end of Sophomore year- a minimum of 11 credits
- By the end of Junior year- a minimum of 16 ½ credits

# Lakewood High School Graduation Requirements Class of 2026 and Beyond

## 1. Earn 21 Credits

- 4 Math
- 4 English
- 3 Science
- 3 Social Studies
- ½ Careers, IT,  
Health, Financial Lit
- ½ PE (2 courses or PE  
Exemption)
- 4.5 Electives

## 2. Show Competency

- Earn 684+ on ELA 2  
AND  
Earn 684+ on Algebra I
- OR
- Two Career-Focused  
Activities
- OR
- Military Contract
- OR
- Earn CCP Credits
- OR
- College Ready ACT Score

## 3. Demonstrate Readiness Earn 2 Seals



Ohio Means Jobs Readiness\*



Industry Recognized Credential\*



College Ready\*



Military Enlistment\*



Citizenship\*



Science\*



Honors Diploma\*



Biliteracy\*



Technology\*



Community Service\*\*



Fine/Performing Arts\*\*



Student Engagement\*\*

\*State Seal \*\*Local Seal

Students must earn a minimum of 1 State Seal



# OHIO'S GRADUATION REQUIREMENTS

## CLASS OF 2023 AND BEYOND

Ohio's long-term graduation requirements take effect for the class of 2023. For students entering ninth grade on or after July 1, 2019, Ohio's new high school graduation requirements provide more flexibility to choose a graduation pathway that builds on a student's strengths and passions – one that ensures students are ready for their next steps after high school. Students in the classes of 2018 through 2022 may also use these requirements as a pathway to graduation.

As a part of this pathway to graduation, students must show that they have completed all three parts of these requirements.

### 1. Credit Requirements:

Students must earn a [minimum total of 20 credits](#) in specified subjects and take your required tests. Schools can locally require more than 20 credits. Schools are still required to administer all the high school end-of-course assessments. These are: English Language Arts II, Algebra I (or Integrated Math I), Geometry (or Integrated Math II), Biology, American History, and American Government.

### 2. Competency:

Students can demonstrate competency by earning a passing score on Ohio's high school Algebra I (or Integrated Math I) and English language arts II tests. Students who do not pass the test will be offered additional support and must retake the test at least once. If students have not met the competency score on these tests, there are four additional ways to show competency.

Option 1	Option 2	Option 3	Option 4	Option 5
Algebra I and ELA II	Career Readiness	College Credit Plus	Military Enlistment	ACT or SAT

Refer to the back of this page for a brief discription of each option.

**Option 1.** To demonstrate competency using Ohio’s state tests, students must earn a score of 684 or above on both the Algebra I (or Integrated Math I) and English language arts II end-of-course exams.

**Option 2.** To demonstrate competency by Career Readiness, students must demonstrate two career-focused activities, at least one must be a foundational option.

- Foundational options: 1. Cumulative score of proficient on 3 or more WebXams. 2. Earn 12-points of industry credential. 3. Complete a registered pre-apprenticeship, an apprenticeship, or show evidence of acceptance into an approved apprenticeship. 4. State-issued license for a practice in a vocation.
- Supporting options: 1. Work-Based Learning. 2. Earn the workforce readiness score on the Workkeys. 3. Earn the OhioMeansJobs Readiness Seal

**Option 3.** To demonstrate competency through the College Credit Plus Program, students must earn credit in a non-remedial math or English course for the subject area not passed.

**Option 4.** To demonstrate competency through Military Enlistment, students must provide evidence of enlistment in a branch of the armed forces to demonstrate competency.

**Option 5.** To demonstrate competency using the ACT or SAT, students must obtain a remediation-free score in the math and/or English subject area on the ACT or SAT. To demonstrate competency in English, a student must be remediation-free in the subjects of English and reading on the ACT or SAT.

### 3. Readiness:

Students can meet the readiness requirement by earning two diploma seals. In alignment with their graduation plan, students should be choosing seals that align with their goals and interests. These seals give students the chance to demonstrate academic, technical and professional skills and knowledge that align to their passions, interests and their post-high school pathway.

Of the two seals students are required to earn, at least one of the two must be State-Defined. Ohio’s 12 diploma seals are:

- OhioMeansJobs Readiness Seal (State-Defined)
- Industry-Recognized Credential Seal (State-Defined)
- College-Ready Seal (State-Defined)
- Military Enlistment Seal (State-Defined)
- Citizenship Seal (State-Defined)
- Science Seal (State-Defined)
- Honors Diploma Seal (State-Defined)
- Seal of Biliteracy (State-Defined)
- Technology Seal (State-Defined)
- Community Service Seal (Locally-Defined)
- Fine and Performing Arts Seal (Locally-Defined)
- Student Engagement Seal (Locally-Defined)

### Want to learn more?

Contact your school counselor or visit [education.ohio.gov/graduation](https://education.ohio.gov/graduation)



## AP vs CCP? What is the Difference?

Both AP and CCP offer students an opportunity to take more rigorous courses while in high school. They are both weighted on a 5.0 scale for the students' high school credit, as long as they receive a C or above. AP and CCP courses are highly desired by college admissions and can help students get into more selective colleges. The chart below shows a side-by-side comparison between AP and CCP courses. More information is available below for both AP and CCP courses.

	<u>AP Courses</u>	<u>CCP Courses</u>
<b>Credits</b>	Students earn a high school credit and take a national AP exam at the end of the course. The AP exams are scored from 1 (lowest) to 5 (highest). College credit can be awarded with a minimum of a 3; however, many schools require a 4 or 5. In Ohio, students who attend a public college or university and earn at least a 3 are guaranteed credit, usually toward their General Education requirements. In addition, some colleges may not grant college credit for AP exams, but they use the scores for placement. The AP policy will vary greatly from university to university, depending on the selectivity of the school.	CCP courses are College Credit Plus classes where students take classes for both high school and college credit (formerly called Post-Secondary or Dual Enrollment). Public/state schools within Ohio will accept CCP credits with a grade of A, B or C. Some private schools and/or out-of-state universities will accept CCP credits from Ohio; however, you will need to check with those individual institutions on specific courses. Also please note that colleges and universities have specific courses that count for their General Education requirements and not all CCP courses will transfer correctly as Gen Eds.
<b>More information</b>	For more information about AP credit policies and to search universities, visit <a href="https://apstudents.collegeboard.org/getting-credit-placement/search-policies">https://apstudents.collegeboard.org/getting-credit-placement/search-policies</a>	For more information about how various courses at different institutions transfer and apply toward a degree program at various colleges and universities, visit <a href="https://www.transferology.com/login.htm">https://www.transferology.com/login.htm</a>
<b>Costs</b>	Student pays the AP Exam fee: \$99. This fee is reduced for students who qualify for the Free/Reduced Lunch Program.	No costs to the student and family unless the student fails the course or drops after the college's drop deadline.
<b>Scheduling</b>	It is recommended that students attend the AP meeting at LHS with a parent or guardian. The student must also complete the AP agreement and turn it in by the annual deadline.	Students and a parent or guardian MUST attend an informational CCP meeting and submit the Intent to Participate form. Students must also apply to the university and meet the qualifications for the university, which may mean an ACT or Accuplacer exam.

## **ADVANCED PLACEMENT (AP)**

Advanced Placement (AP) courses are college-level classes taught at the high school level by high school teachers. These courses utilize a standardized curriculum, followed by a National AP Exam. AP courses are demanding so students must have the highest work ethic in order to be successful in these courses. Because of the demand with AP coursework, students receive a weighted grade.

Summer work is required for all AP courses offered at LHS. This work is due at the beginning of the first class meeting of the school year. If a student fails to produce this work, he or she will receive a zero for the missing work or may be removed from the course.

By enrolling in an AP course, the student agrees to take the National AP Exam at his or her own expense. Failure to complete the exam as prescribed in the National AP Standards may result in the student being denied the weighted grade associated with AP, and transcribed AP credit for the course.

At the end of the first quarter, if a student is failing (an F for the quarter), he or she may be removed from that course. If there is an equivalent course, he or she will be placed in that course (e.g., AP Government to general Government). If there is no equivalent, the student will be simply removed from the course.

### **Current AP Offerings**

Language and Composition  
Literature and Composition  
Biology  
Chemistry  
US History  
US Government  
Psychology  
Calculus AB  
Computer Science Principles

Please note: LHS does not offer AP classes through the Lakewood Credit Flex Program.

## **COLLEGE CREDIT PLUS (CCP)**

College Credit Plus (CCP) courses (formerly called Post-Secondary or Dual Enrollment) are courses that are offered through local state-supported colleges where the student earns both high school and college credit concurrently. These can be taught in a variety of formats for our students: in-house by an LHS teacher who is qualified as an adjunct professor at Central Ohio Technical College (COTC), in-house by a COTC professor (either in-person or via Zoom), or off-campus at a local college (either in-person or online). Students must attend an CCP informational meeting in the winter, meet with their high school counselor, and meet college application requirements and deadlines. This could include GPA requirements, prerequisite courses, and/or testing (typically ACT or Accuplacer). To learn more about CCP in Ohio, visit <https://higher.ed.ohio.gov/initiatives/access-acceleration/college-credit-plus>

Please remember that CCP courses will start a student's college transcript. Just like with AP courses, students enrolled in CCP courses receive a weighted grade for the high school transcript.

While CCP credits taken in Ohio will transfer to in-state public institutions in Ohio, not all courses will help a student toward earning their degree. When a student chooses their desired major in college, the college will have a specific list of courses for that major. In addition to those courses, all students must take General Education courses. If a CCP course doesn't fit in the student's college major or their General Education requirements, it will not help that student earn their degree any more quickly. Because students often haven't decided on a major when they begin taking CCP courses, it is our recommendation that students take courses that will qualify as their General Education courses. Ohio Transfer 36 Approvals are courses that can complete General Education requirements at Ohio public higher education institutions. Courses at COTC under the Transfer 36 Approvals:

#### **Arts & Humanities**

ENGL 211 Survey American Literature I  
ENGL 212 Survey American Literature II  
ENGL 221 Survey British Literature I  
ENGL 222 Survey British Literature II  
PHIL 150 Introduction to Philosophy  
PHIL 200 Introduction to Ethics

#### **English Composition and Oral Communication**

SPCH 205 Public Speaking  
ENGL 100 Composition I  
ENGL 101 Composition II

#### **Mathematics, Statistics, and Logic**

MATH 123 Quantitative Reasoning  
MATH 130 Introduction to Statistics  
MATH 140 College Algebra  
MATH 150 Pre-Calculus  
MATH 200 Calculus I

#### **Natural Sciences**

BIO 105 Environmental Science  
BIO 120 General Biology  
BIO 121 Human Biology  
BIO 130 Anatomy and Physiology I  
BIO 131 Anatomy and Physiology II  
BIO 160 Biology I  
BIO 200 Microbiology  
CHEM 100 Basic Chemistry  
CHEM 101 General Organic Chemistry  
PHYS 105 Elementary Physics

#### **Social and Behavioral Sciences**

ECON 105 Principles of Microeconomics  
ECON 110 Principles of Macroeconomics  
PSY 100 Introduction to Psychology  
PSY 200 Abnormal Psychology  
PSY 210 Developmental Psychology  
SOC 100 Introduction to Sociology  
SOC 110 Cultural Diversity

\*Course lists for other institutions are available from the counselors or by visiting the [Transfer 36 website](#). Per Ohio Revised Code 3365.035, any student wishing to take a CCP course from any college will need to complete a College Credit Plus Registration Form and answer the questions regarding social and emotional maturity, and accept the responsibility and independence that a college course requires.

**Current CCP In-House Offerings (all through Central Ohio Technical College)**

ENGL 100: Composition 1  
ENGL 211: Survey of American Literature 1  
SPCH 205: Public Speaking  
CIT 160: Database Application  
CIT 100: Programming 2  
SOC 100: Introduction to Sociology  
SOC 110: Cultural Diversity  
BIO 130: Anatomy & Physiology  
HLT 110: Medical Terminology

**A CCP course does not replace/exempt you from the taking the following courses:**

English 1/Honors English 1  
English 2/Honors English 2  
Algebra/IM 1  
Geometry/IM 2  
World History/Honors World History  
US History/AP US History  
Biology/Honors Biology 9

Refer to the LHS counseling website page for additional information- [Click Here](#)

**Suggested Lakewood High School 15 College Credit Plus Pathway 1 via COTC**

ENGL 100	Composition I (LHS)	3 sem. Hrs.
MATH 130	Introduction to Statistics @ COTC	3 sem. Hrs.
SPCH 100	Fundamentals of Communication @ COTC	3 sem. Hrs.
CIT 160	Database Application (LHS)	3 sem. Hrs.
ENGR 101	Introduction to Engineering @ COTC	2 sem. Hrs.

**Suggested Lakewood High School 30 College Credit Plus Pathway 2 via COTC**

**(above courses included)**

ENGL 101 or ENGL 211	Composition @ COTC	3 sem. Hrs.
	Survey of American Literature (LHS)	3 sem. Hrs.
SPCH 205	Public Speaking (LHS)	3 sem. Hrs.
SOC 100	Introduction to Sociology @ COTC	3 sem. Hrs.
ECON 105	Principals of Macroeconomics @ COTC	3 sem. Hrs.
CIT 102	Computer Applications for IT @ COTC	3 sem. Hrs.
PSY 100	Introduction to Psychology @ COTC	3 sem. Hrs.

**\*\*\*3 Semester hours= 1 Unit of High School Credit\*\*\***

**For more information, see the College Edge Pathway on Page 61-62**



1179 University Drive, Newark, OH 43055 740.366.1351

## Transfer-Ready

The courses outlined below are general education courses that can be taken any semester and at any grade level as long as students have met existing COTC course requirements or pre-requisites.

15 Credit Hour Pathway		Credit Hours
ENGL-100	Composition I	3
MATH-130	Introduction to Statistics	3
PHIL-105	Critical Thinking	3
PSY-105	Introduction to Psychology	3
SOC-110	Cultural Diversity	3

30 Credit Hour Pathway		Credit Hours
ECON-105	Principles of Microeconomics	3
ENGL-101	Composition II	3
PHIL-200	Introduction to Ethics	3
SOC-100	Introduction to Sociology	3
SPCH-205	Public Speaking	3



**cotc.edu**

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Coshocton, OH 43812  
**740.622.1408**

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236 South Main St.  
Mount Vernon, OH 43050  
**740.392.2526**

**Pataskala**  
8660 East Broad St.  
Reynoldsburg, OH 43068  
**740.755.7090**

Students must meet **all but one** of the listed criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met. Each of these criteria go beyond the standard course requirements for a diploma, which can be found [here](#). Students may replace any of the **blue** options with a "Student Strength Demonstration."

Requirements	Academic Honors Diploma	International Baccalaureate Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma	Social Science & Civic Engagement Honors Diploma
1.	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2	4th Math must be greater than Algebra 2
2.	1 additional unit of Advanced Science <sup>2</sup>	1 additional unit Advanced Science <sup>2</sup>	Proficient pathway score on WebXams <sup>3</sup>	1 additional unit Advanced Science <sup>2</sup>	4 units fine arts	2 additional units Social Studies
3.	1 additional unit of Social Studies	1 additional unit Social Studies	4 units of Career-Tech Courses	2 units of additional STEM Courses as electives	Electives - 2 Units of Fine Arts (may overlap with general 4 units)	Meet the requirements to earn the Citizenship Seal
4.	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	2 units of one world language	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied
5.	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
6.	27 ACT/1280 SAT <sup>6</sup>	27 ACT/1280 SAT <sup>6</sup>	27 ACT/1280 SAT <sup>6</sup> / WorkKeys <sup>5</sup>	27 ACT/1280 SAT <sup>6</sup>	27 ACT/1280 SAT <sup>6</sup>	27 ACT/1280 SAT <sup>6</sup>
7.	Earn 2 additional diploma seals, *not including the Honors Diploma Seal	Meet requirements to earn the Seal of Biliteracy	Meet the requirements to earn the Industry-Recognized Credential Seal or Technology Seal	Meet the requirements to earn the Industry-Recognized Credential Seal or Technology Seal	Meet the requirements to earn the Fine Arts Seal	Meet the requirements to earn the Community Service Seal
8.	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>	Meet requirements of one of the Experiential Learning options <sup>4</sup>
Substitution	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>	Students may replace one of the blue options with a "Student Strength Demonstration" <sup>1</sup>

Students may replace **one** of the options in "Blue" (options 4, 5, or 6) with a "Student Strength Demonstration"<sup>1</sup>

## NOTES:

Completion of any advanced standing program, which includes Advanced Placement, International Baccalaureate, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.

<sup>1</sup> Students can use the Student Strength Demonstration to replace one of **ACT/SAT, GPA or World Language** requirement for any Honors Diploma.

College Credit Plus: Earn 12 college credits through the College Credit Plus program

Advanced Placement: Complete three advanced placement (AP) courses with score of 3 or higher on the corresponding AP tests

Career-Technical Assurance Guide (CTAG): Earn 12 articulated college credits through CTAGs

Apprenticeship/Pre-Apprenticeship: Complete an apprenticeship registered with the Ohio state apprenticeship council; complete a pre-apprenticeship program recognized by the Ohio state apprenticeship council; or submit evidence of acceptance into an apprenticeship if the program requires applicants to be 18 or older to enroll

WorkKeys: Earn a score of 6 or higher on all three sections of the WorkKeys test (Note: Students seeking the Career-Tech Honors Diploma may only use this demonstration as a substitute for the World Language criteria. This demonstration may not be used as a substitute for the GPA and ACT or SAT Score criteria for purposes of the Career-Tech Honors Diploma.)

Armed Services Vocational Aptitude Battery (ASVAB): Earn a score of 50 or above on the ASVAB.

Work-Based Learning: Complete 250 total hours or more of work-based learning.

<sup>2</sup> Advanced science courses contain rigorous content appropriate for grades 11 and 12. An advanced science course builds on the concepts and skills developed in the physical science and biology courses detailed in Ohio's Learning Standards for Science.

<sup>3</sup> Student must achieve a cumulative score of proficient or higher on the technical assessments aligned to their program. Technical assessments may include: WebXam test, industry recognized credentials in lieu of WebXam test, and College Credit Plus Career Technical Education course grades.

<sup>4</sup> Students can satisfy the experiential-learning requirement by completing or attaining one of the following options: [field experience](#) and [portfolio](#), OhioMeansJobs Readiness Seal, or work-based learning.

<sup>5</sup> Students using WorkKeys to satisfy this assessment requirement must earn a score of six or higher on all three sections of the WorkKeys assessment (Graphic Literacy, Workplace Documents, and Applied Mathematics). **The WorkKeys option applies only to the Career Tech Honors Diploma.**

<sup>6</sup> Students must have scores of 27 or higher on the ACT or 1280 or higher on the SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included. Students can use a superscore on the ACT or SAT to meet the required scores.

## **VALEDICTORIAN & SALUTATORIAN- Classes of 2027 through Class of 2029**

To qualify for Valedictorian and/or Salutatorian, a student must have been a full-time student at Lakewood High School for his/her junior & senior years and must have completed the courses listed below:

1. Four units of English
  - English 1, 2, 3, 4 (two years must be CCP/AP)
2. Three units of the same Foreign Language
3. Four units of Mathematics, including two of the following courses:
  - Precalculus/Honors Precalculus
  - AP Calculus AB/ AP Stats/ CCP Intro to Stats
4. Three units of Science, including two of the following courses:
  - AP Biology
  - Conceptual Chemistry, General Chemistry, Honors Chemistry or AP Chemistry
5. All other requirements for graduation from high school:
  - Advanced courses taken at public or parochial high school and universities during summer or as part of the educational options program will count towards the above requirements.

The selection of Valedictorian and Salutatorian will take place at the end of the school year. The graduating senior with the highest-grade point average in a curriculum that includes the courses listed above will earn the Valedictorian Award; the senior with the second highest grade point average will earn the Salutatorian Award. If two or more students tie for the highest-grade point average, duplicate Valedictorian Awards will be given. If two or more students tie for the second highest grade point average, duplicate Salutatorian Awards will be given.

## **VALEDICTORIAN & SALUTATORIAN- Class of 2030 & Beyond**

To qualify for Valedictorian and/or Salutatorian, a student must have been a full-time student at Lakewood High School for his/her junior & senior years and must have completed the courses listed below:

1. Meet all current graduation requirements
  - Advanced courses taken at public or parochial high school and universities during summer or as part of the educational options program will count towards the above requirements.
2. Must qualify for an Honors Diploma
3. Complete and pass a total of 3 or more AP and/or CCP courses in any core subject area.

## **ACADEMIC DISTINCTIONS**

Students with GPA falling within these ranges will receive a Cord, Stole or Medal to wear at Graduation

Summa Cum Laude-	Gold	Final GPA of 4.00 or Higher	with Highest Honors
Magna Cum Laude-	Silver	Final GPA of 3.75 to 3.99	with Great Honors
Cum Laude-	Bronze	Final GPA of 3.50 to 3.74	with Honors

Typically known as "Latin Honors", these distinctions are one of three achievement awards typically bestowed at graduation ceremonies at schools, colleges and universities. Each represents a certain level of academic achievement. It's a mark of distinction that graduating students and professionals can include on their resumes to illustrate their academic success.

## **SCHEDULE CHANGE POLICY**

Schedule changes will only be permitted for broken schedules, students who have failed a pre-requisite for a scheduled class, for those students who attend summer school, or for changes deemed necessary by the counselors and/or administration due to academic misplacement. All students requesting a schedule change must complete the Schedule Change Form with all required signatures, which includes parent/guardian, and must be turned in to your counselor before the end of the schedule change period. No schedule changes will be made after the 3-day schedule change period ends

## **MIDDLE SCHOOL COURSES FOR HIGH SCHOOL CREDIT**

Lakewood High School will honor HS credit earned at the Lakewood Middle School level in the following courses:

Algebra 1- 1.0 credit

Spanish 1- 1.0 credit

**MS IT- .50 credit this ends with the class of 2027**

Credit from 8<sup>th</sup> grade outside Lakewood Local Schools will be evaluated on a case-by-case basis in regards to school policy from the district where coursework was earned.

## **LAKWOOD'S CREDIT FLEX PROGRAM**

Lakewood offers an online Credit Flex program for students who have extenuating circumstances and/or medical concerns that make attending school in person challenging. Acceptance into the program is determined on a case-by-case basis and typically requires appropriate medical documentation. Families interested in learning more about this option should contact a school counselor or Dee Martindale at [dmartindale@lakewoodlocal.k12.oh.us](mailto:dmartindale@lakewoodlocal.k12.oh.us)

The Ohio Department of Education and Workforce also offers a Credit Flex Program that provides students with opportunities to earn graduation credit in areas of personal interest that may not be part of the traditional school curriculum. This program allows students to demonstrate learning and earn credit through methods not limited to traditional seat time or instruction within a school building. For additional information, please contact a school counselor.

More information is available through the Ohio Department of Education and Workforce Credit Flex Plan:

<https://education.ohio.gov/getattachment/Topics/Ohio-Education-Options/Credit-Flexibility-Plan/Credit-Flexibility-4-2-2025.pdf.aspx?lang=en-US>

## **OHIO DEPARTMENT OF EDUCATION AND WORKFORCE EDUCATIONAL OPTIONS/ CREDIT FLEX**

Credit Flexibility is the customizing of educational delivery to the learning styles and interests of individual students. Students show what they know and move on to higher-order content they are ready to learn and have not yet mastered. They learn subject matter and earn course credit in ways not limited solely to "seat time" or the walls of a school building. They customize aspects of their learning around their interests and needs, which might include flexible schedules and a choice of modalities (e.g., online learning, work-based learning and community-based projects), as well as options to pursue niche interest areas, combine subjects and graduate early. For more information, please click on the following link:

[Credit Flex Information- "HERE"](#)

## **CTAG COURSE (CARERR TECHNICAL ASSURANCE GUIDE)**

A **Career-Technical Assurance Guide (CTAG)** course is a career-technical education (CTE) course approved under the State of Ohio's CTAG framework to provide students with **guaranteed articulated college credit** upon successful completion of the course and a proficient score on the WebXam. CTAGs are statewide agreements between secondary schools and Ohio's public colleges and universities that establish **common learning outcomes and competencies** for technical subjects. CTAG courses receive weighted credit equivalent to AP or CCP courses.

## **STUDENT ACTIVITY CLUBS**

Lakewood believes that a well-rounded education includes participation in extracurricular activities. We encourage and support students to pursue a variety of extracurricular activities, including multiple sports and clubs.

**QUIZ BOWL-** Quiz bowl is a game in which two teams compete head-to-head to answer questions from all areas of knowledge, including history, literature, science, fine arts, current events, popular culture, sports, and more.

**STUDENT COUNCIL-** A Student Council is a group of elected and volunteer students working together with an adult advisor within the framework of a constitution or bylaws to provide a means for student expression and assistance in school affairs and activities, give opportunities for student experience in leadership and encourage student / faculty / community relations.

**DECA-** "Distributive Education Clubs of America" focuses on preparing students for careers in business fields like marketing, finance, hospitality, and management through competitive events, leadership development, and real-world business simulations.

**SPANISH CLUB-** Spanish Club is a fun way to learn about the various Hispanic cultures. Through food, travel, and crafts, students are able to engage with new cultures and learn to respect our differences.

**ART CLUB-** Art Club is a student-led group that functions primarily with the goal to provide an opportunity for students to come together in a community outside of the classroom setting to engage in conversation and create artwork that explores a variety of ideas in art.

**FCCLA-** Family, Career and Community Leaders of America (FCCLA) is a Career and Technical Student Organization that functions as an integral part of the Family and Consumer Sciences education curriculum. Students participate in a variety of community service projects and leadership activities.

**STEM CLUB-** Students participate in a variety of hands-on science activities and competitions, such as STEM Fest at The Works, Eco Summit at Columbus Zoo, animal dissections and much more.

**TECH TEAM-** Students will gain REAL experience in a working Technology Department. Activities and tasks include Chromebook help and repair, using ticketing software and working as a team. Each Tech Team member is encouraged to ask questions and seek enrichment in any number of areas, including but not limited to: Audio Visual production, Streaming, Networking, WiFi, Cybersecurity, Artificial Intelligence, operating systems, 3D design and printing, database management, Telephony and many others like eSports.

**PALLS-** is a group for spending positive time with others while promoting kindness and mental wellbeing within ourselves and our community.

## **WORK PROGRAM**

Students who are working and maintaining employment may be eligible to participate in our work program that can lead to elective credit and the OMJ Seal. Juniors and Seniors may also be eligible to have early release if they are on track for graduation. See your School Counselor for more information and see the links below to the application/agreement.

Application/Agreement- ["Click HERE"](#)

# COURSE OFFERINGS

Course availability is subject to change based on enrollment.

## BUSINESS

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
930	Financial Literacy	10,11,12	.50	Semester	Required for 11 <sup>th</sup> grade or 10 <sup>th</sup> if C-tec bound
117	Problem Solving for Team Leaders	9, 10, 11, 12	.50	Semester	
931	Marketing Principles	9, 10, 11, 12	.50	Semester	
932	Strategic Entrepreneurship (CTAG Weighted Grade)	9, 10, 11, 12	1.0	Year	

**Course #930 FINANCIAL LITERACY-** Students will learn the fundamental understanding of financial literacy concepts. They will have the skills needed for them to be informed and savvy consumers in today's fast paced and ever-changing society. General topics of this course will include financial responsibility & decision-making, planning and money management, informed consumer, investing, credit & debit, and risk management & insurance. Students will apply the concepts to real world skills and content.

**Course #117 Problem Solving for Team Leaders (Lean Six Sigma)-** This semester class will help develop important problem-solving skills that are essential in many career fields. The class teaches Lean Six Sigma strategies used by many businesses such as General Electric, Ford, Toyota, Xerox, and Cardinal Health. At the completion of the course students are eligible to earn Lean Six Sigma Green Belt Certification (a 6pt. credential towards graduation). Course highlights include learning how to use a problem-solving framework to solve a team and personal improvement project. Students will also learn how to effectively run meetings, collect/analyze data and give presentations. **\*\*\*FEE TBA\*\*\***

**Course #931 MARKETING PRINCIPLES-** This the first course in the Marketing career field. It introduces students to the specializations offered in Marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing communications, marketing management, marketing research, merchandising, and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business. Technology, leadership, and communications will be incorporated in classroom activities.

**Course #932 STRATEGIC ENTREPRENEUSHIP-** Students will use innovation skills to generate ideas for new products and services, evaluate the feasibility of ideas, and develop a strategy for commercialization. They will use technology to select target markets, profile target customers, define the venture's mission, and create business plans. Students will take initial steps to establish a business; Students will calculate and forecast costs, break-even, and sales. Establishing brand, setting prices, promoting products, and managing customer relationships will be emphasized. **(CTAG course- Weighted Grade)**

## CAREER BASED INTVENTION PROGRAM

COURSE #	TITLE	GRADES	CREDIT	LENGTH	PREREQUISITE
1423	CBI Credit Recovery	11, 12	1.0	Year	Counselor Permission
116	Career Connections	10, 11, 12	1.0	Year	
	Electrical Interim Credentials	11, 12	Not For Credit	TBD	Counselor Permission

*The C.B.I. program aims to help students improve academic competence, develop employability skills, implement a career plan, participate in career learning and most importantly, graduate from high school. The C.B.I. program provides a combination of educational and work-based learning opportunities for student success. The program is made up of 3 components outlined below.*

**Course #1423 CBI CREDIT RECOVERY**- This course is designed for students who are credit deficient. The class focuses on academic remediation, study skills and credit recovery. **Permission for this course is required by a school counselor.**

**Course #116 CAREER CONNECTIONS**- A yearlong elective for students in grades 10-12 that allows students to explore various careers and learn more about job opportunities in our area. Students who participate have the opportunity to earn the Certified Logistics Technician (CLT) 12 pt. Credential, which is an alternate pathway to graduation. They can also earn various other credentials such as OSHA 10 and the [OhioMeansJobs-Readiness Seal](#).

**ELECTRICAL INTERIM CREDENTIALS**- A semester course for 11th and 12th grade students. This is a self-paced, online, pre-apprenticeship course for students interested in a career path in the electrical trade. This course provides a direct path to acceptance into an electrical training alliance affiliated apprenticeship program.

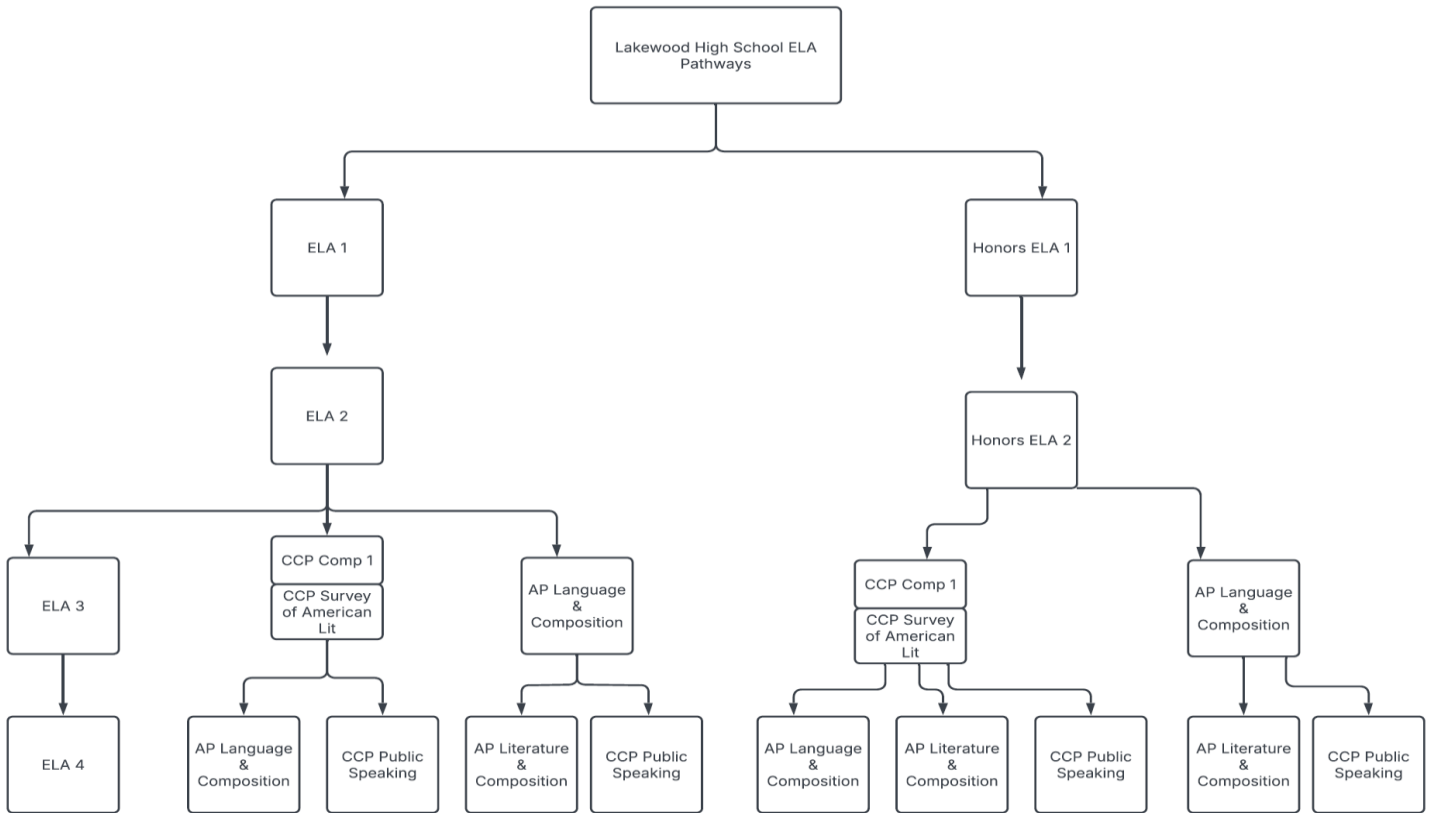
**Permission for this course is required by a school counselor and an application.**

Newark Electrical Apprenticeship Program



## ENGLISH

<b>COURSE #</b>	<b>TITLE</b>	<b>GRADES</b>	<b>CREDIT</b>	<b>LENGTH</b>	<b>PREREQUISITE</b>
730	English 1	9	1.0	Year	
755	Honors English 1	9	1.0	Year	Teacher Recommendation
701	English 2	10	1.0	Year	English 1
756	Honors English 2	10	1.0	Year	Teacher Recommendation
702	English 3	11	1.0	Year	English 1 & 2
721	AP Language & Composition (Jr. Level) (Weighted Grade)	11, 12	1.0	Year	Teacher Recommendation + Contract
729	English 4	12	1.0	Year	English 3
700	AP Literature & Composition (Sr. Level) (Weighted Grade)	12	1.0	Year	Teacher Recommendation + Contract
ENGL100 CCP	Composition 1 (CCP) (Weighted Grade)	11,12	1.0 3 hrs	semester	Accuplacer Score/ACT score + Intent Form
SPCH 205 CCP	Public Speaking (CCP) (Weighted Grade)	9, 10, 11, 12	1.0 3 hrs	Semester	SPCH 100/ Accuplacer Score/ACT Score + Intent Form
ENGL 211	Survey of American Literature (CCP) (Weighted Grade)	11,12	1.0 3 hrs	Semester	Accuplacer Score/ACT score + Intent Form ENGL 100 w/ C+ higher



**Course #730 ENGLISH 1**- A comprehensive course designed to prepare students for state testing. Emphasis will be placed on increasing student vocabulary, enhancing reading skills, and developing writing skills by means of applied grammar in the areas of fiction, nonfiction, poetry, and drama. In class, students will be reading and discussing poems, short stories, the novels. This includes "Call of The Wild" by Jack London and "A Separate Peace" by John Knowles, the epic poem "The Odyssey," the drama "Romeo and Juliet" and a nonfiction book. Students will complete projects reflective of skills learned throughout the school year.

**Course #755 HONORS ENGLISH 1**- Honors English 1 is a comprehensive course designed to prepare students for the continued rigor of Honors English 2 and AP Language and Composition their Junior year of high school. College board expectations, along with the Common Core Standards set forth by the state of Ohio, will be the foundation for this course. Throughout the course students will become familiar with the writing process, while enhancing their writing skills, read and analyze various pieces of literature and nonfiction texts, prepare for and engage in class discussions, and produce extensive reflections of learned skills through projects, writings, quizzes, and other assessments. Daily preparation and homework is expected from all students who take this course. When appropriate, emphasis is placed on student interest and choice in texts, projects, and other class assignments. Teacher recommendation, and various reading and writing tests scores, will be the basis of admission into this class. **\*\*\*REQUIRED SUMMER WORK\*\*\***

**Course #701 ENGLISH 2**- A comprehensive course designed to expose the student to all types of World Literature in the areas of fiction, nonfiction, poetry, and drama. Emphasis will be placed on content standards as they apply to preparation for state testing. Students will read and study To Kill a Mockingbird, Night, Long Way Down and Shakespearean selections that may include Julius Caesar or 12<sup>th</sup> Night. Students will be expected to complete various projects throughout the year to demonstrate knowledge gained through the principle of reading, writing, and research as they apply to Ohio's standards.

**Course #756 HONORS ENGLISH 2**- This class is a continuation of the work done in Honors English 1 and in preparation for the rigor of the AP English or the CCP English path. Students will become familiar with the writing process and various pieces of world literature. This class requires extensive reading, writing, listening, and speaking, and emphasizes critical thinking. Student admission is based on reading and writing test scores, GPA, teacher recommendation, and desire for the opportunity. **\*\*\*REQUIRED SUMMER WORK\*\*\***

**Course #702 ENGLISH 3**- This is a comprehensive course designed to expose the student to various types of American literature and writing. The student will read poetry, fiction, non-fiction, and drama, write two short research papers and study grammar and composition. Emphasis will be placed on those skills necessary for life preparation and enjoyment.

**Course #721 AP ENGLISH LANGUAGE & COMPOSITION (JUNIOR LEVEL)**- This comprehensive, college-level, year-long course cultivates the reading and writing skills students need for college success and intellectually responsible civic engagement. It guides students to become curious, critical, and responsive readers of diverse texts, and flexible, reflective writers of texts addressed to varied audiences and purposes. The course focuses on developing and revising evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction (including multimedia), and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support arguments and analyze rhetorical elements and their effects from a range of disciplines and historical periods. Work in the course deepens understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. Students will produce a multitude of writings—building from thesis statements, tailored sentence frames, paragraph responses, and modified essays, to full synthesis, analysis, and argumentative essays—and complete projects that reflect learned skills. When appropriate, emphasis is placed on student interest and choice in texts, projects, and prompts. A student's performance on a national exam at the end of the year determines whether college credit is earned. Interested students must submit a signed AP contract. **\*\*\* REQUIRED SUMMER WORK\*\*\***  
**(Weighted Grade)**

**Course #729 ENGLISH 4**- This comprehensive course is designed to expose students to various types of British literature and writing, including poetry, fiction, nonfiction, and drama. Students will be required to compose "personal statement" essays and several other writing pieces. This class will emphasize skill practices that lend to both college and career bound students.

**Course #700 AP ENGLISH LITERATURE & COMPOSITION (SENIOR LEVEL)**- This comprehensive, college-level, year-long course involves an in-depth study and analysis of fiction, drama, and poetry and literary criticism. Extensive writing and reading are essential for success in this course. A student's performance on a national exam at the end of the year determines whether college credit is earned. Interested students must submit a signed AP Contract. **\*\*\* REQUIRED SUMMER WORK\*\*\* (Weighted Grade)**

**Course #ENGL 100 COMPOSITION I (CCP)**- Composition I is a **writing intensive**, theme-based course, facilitating the development of college-level writing skills. The course emphasizes critical thinking, analytical reading, thesis development, and deep revision of one's own compositions. The course also includes analysis of audience and theme in one's own writing and the writing of others, while developing the student's critical reading skills. COTC: 3.0 credit hours. Interested students must submit an Intent to Participate Form. **This is a 3 hr. CCP class through COTC with a weighted grade.**

**Course # SPCH 205 PUBLIC SPEAKING (CCP)**- This course emphasizes instruction and practical experience in public speaking. The student will learn to analyze audiences, select topics, apply research learned, organize, and present a series of extemporaneous speeches. This course introduces other interpersonal and intrapersonal communications skills, including listening and nonverbal communications. This satisfies a college English Requirement! **This is a 3 hr. CCP Class through COTC with a weighted grade.**

**Course # ENGL 211 SURVEY OF AMERICAN LITERATURE (CCP)**- Survey of American Literature I is a course designed to expose students to a wide range of early American literature. In this course, the student will examine the works of major writers in the U.S., from the early settlements to 1865. The student will read and critically analyze various genres, including essays, short stories, fiction, and the novel. The student will also use literary criticism and theories including, but not limited to, biographical criticism, gender criticism, historical criticism, psychological theories, and reader-response theories. Through a series of close readings, discussions, reader responses, critical essays, and argumentative papers, the student will trace the development of both literary and cultural movements such as Puritanism, Romanticism and Transcendentalism. ENGL-211 meets the Ohio Transfer Module standards for course TMAH and also meets the Ohio Transfer Assurance Guide standards for OAH053. **This is a 3 hr. CCP Class through COTC with a Weighted Grade.**

**ENGLISH ELECTIVES- (ENGLISH ELECTIVES DO NOT FULFILL ENGLISH CREDIT FOR GRADUATION)**

725	Public Speaking	9, 10, 11, 12	.50	Semester	
743	Journalism 1	9, 10, 11, 12	.50	Semester	
740	Yearbook	10,11,12	1.0	Year	Teacher Approval
708	Best Sellers	9, 10, 11, 12	.50	Semester	
732	Mystery, Detective, and Crime Fiction	9, 10, 11, 12	.50	Semester	

**Course #725 PUBLIC SPEAKING-** The major purpose of this course is to “draw the student out of his shell” in a group speaking situation and to enable him to have greater confidence and skills in oral communication. Through group discussion and public speaking, the student is taught to enhance his communication skills. Students will work in the areas of speech research, organization, development, writing and delivery. **\*\*\*FEE TBA\*\*\***

**Course #743 JOURNALISM 1-** Journalism is a semester class where students learn the basic principles of journalistic research, interviewing, reporting, writing, production, and photography. Students will learn the fundamentals of news, feature, editorial, and sports writing. In addition, students will learn principles of copy editing and proofreading, as well as the basics of Associated Press style. Also, as part of the course, students will generate, write, and edit news stories, as well as take photographs that will be published for the school and/or community.

**Course #740 YEARBOOK-** Students learn basic principles of yearbook production and develop skills that include copywriting, captions and headlines, digital photography, desktop publishing and using appropriate technology tools for production. Students also participate in the business aspect of yearbook production. Teacher approval is required.

**Course #708 BEST SELLERS-** This course is designed to read books on the past & present New York Times Best Selling List. Books chosen represent a variety of genres and students will be expected to not only read the books, but also, discuss topics with classmates and complete a myriad of projects as they apply to Ohio's learning standards.

**Course #732 MYSTERY, DETECTIVE, and CRIME FICTION-** This course introduces students to the genres, conventions, and techniques in mystery and suspense writing, comparing these literary styles to all forms of literature. Students will examine what motivates mysteries, the tension that defines suspense, and how thematically, the fear of death, failure, and the unknown makes these texts compelling. This course presents the works of key contributors and creators of these genres in media from novels, to short stories, to films, to even survival-themed games.

## FAMILY AND CONSUMER SCIENCE

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
924	Careers	10	.50	Semester	Required for 10 <sup>th</sup> grade
929	Smart Foods	9, 10, 11, 12	.50	semester	
925	Introduction to Family and Consumer Science	9, 10, 11, 12	.50	Semester	
926	Culinary Fundamentals	11, 12	.50	Semester	
927	Leadership and Community Engagement	11, 12	.50	Semester	

**Course #924 CAREERS**- What are your plans after High School? College, Tech School, Military or Work Force? This course will help you decide what is next for you! Students will research careers, and occupations, develop interviewing skills, professionalism, and networking. Core employability skills, leadership, and entrepreneurship are a few topics covered, as well as workplace skills. **Required for all 10<sup>th</sup> grade students!**

**Course #929 SMART FOODS**- Learn to select and prepare food in a laboratory setting. Develop skill in managing time, energy, and money in nutritious foods. Learn to plan, prepare, and serve for yourself and family. Make decisions and practice cooperative learning skills. **\*\*\*Fee TBA\*\*\***

**NOT OFFERED IN 2026-2027**

10,11,12	1	semester
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**Course #925 INTRODUCTION TO FAMILY AND CONSUMER SCIENCE**- This course will provide students with an overview of the four major content areas of Family and Consumer Sciences. Students will be introduced to child development, family relationship concepts and how they relate to family dynamics, additionally, students will identify financial literacy and consumer principals. Students will understand the concepts of design through textiles for personal and home use. Cooking, sewing, and your living environment will be covered. Class topics are designed to make your transition to the real world easier. Baby Think It Over will be a required part of this class. Throughout the course, students will develop communication. Leadership and career investigation skills. **\*\*\*Fee TBA\*\*\***

**The following two courses are scheduled together for 11<sup>th</sup> and 12<sup>th</sup> grade students only, 1 each semester and could lead to a 12pt. Credential in the Hospitality and Tourism pathway to graduation!**

**Course #926 CULINARY FUNDAMENTALS**- In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, safety and sanitation requirements, ingredients, and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques.

**Course #927 LEADERSHIP AND COMMUNITY ENGAGEMENT**- In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on in-service learning, leadership training and teambuilding opportunities. Additional topics will include public policy issues, community, and global engagement. This course will also include NRF Retail Industry Fundamental training and certification. Learners who earn this certificate will develop basic customer service skills, math skills to conduct sales transactions and an understanding of the retail industry, its impact on the economy and the diverse jobs available. Best practices for interviewing and exploring career paths are also covered.

## HEALTH/PHYSICAL EDUCATION

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
1002	Health	9, 10, 11, 12	.50	Semester	Required 9 <sup>th</sup> grade
1003	Strength Training	9, 10, 11, 12	.25	Semester	
1009	Physical Education	9, 10, 11, 12	.25	Semester	
1004	Team Sports	9, 10, 11, 12	.25	Semester	
1006	Fitness for Life	9, 10, 11, 12	.25	Semester	
1007	Women's Fitness	9, 10, 11, 12	.25	Semester	

**Course #1002 HEALTH-** This is a state-required course for graduation. This class will deal with some difficult areas where individuals must make tough decisions which can impact their lives and futures. Topics will include substance abuse (alcohol, illegal drugs, and related tobacco), sex education (abstinence, anatomy, birth control, and sexually transmitted diseases), decision-making skills, and other health related issues.

**Course #1003 STRENGTH TRAINING-** This course covers the introduction and advanced techniques of proper weightlifting and safety precautions, as well as an explanation of fitness principles needed to succeed in any fitness program. The course will also include plyometric, Presidential Fitness Testing, stretching, and proper warmup/cool down techniques. Each student will be required to follow and implement a lifting program designed based on the progressive overload principle and journal their weekly/monthly progress. Students will be evaluated according to their participation level, attendance, workout journals and their knowledge of basic fitness principles.

**Course #1009 PHYSICAL EDUCATION-** All classes will stress daily physical fitness components including: warm-up exercises, stretching, cardiovascular endurance, and strength exercises. This is a graduation requirement and students are required to dress daily in appropriate clothing including gym shoes. Activities will include a combination of team sports, individual sports, and lifetime skills throughout the semester.

**Course #1004 TEAM SPORTS-** This class will go into greater depth of the concept of team sports. Fundamentals will be reviewed and further developed for understanding the teams' total involvement for success. There will be various team sports played with rules and insights into the game development. Different exercises will be used in relation with the sports to be played. There will be a greater emphasis on participation and team competition than in physical education classes.

**Course #1006 FITNESS FOR LIFE-** This class is designed to help students develop fitness techniques that will help them maintain a fit and healthy lifestyle. Fitness for life is open to all students regardless of their current fitness level. This class is fitness based with an emphasis on developing lifelong fitness skills. The class will incorporate many different strategies that a student can use throughout their life. These strategies include circuit training, aerobic/anaerobic conditioning, yoga, weight training, and various fitness challenges. Students will actively participate in activities at their own level with the opportunity to set their own fitness goals including weight loss, toning, and overall fitness.

**Course #1007 WOMEN'S FITNESS-** Women's Fitness is designed to provide females with the knowledge, skills, and develop attitudes that will empower them to engage in fitness activities that safely and effectively improve their overall fitness and strength for sports. Students will learn fitness training concepts that target women's needs in the weight room and the gymnasium setting, and then apply those concepts to a regular training program. Students are required to dress appropriately for sports training and participate in rigorous physical activities daily. Students' grades are earned by demonstrating physical effort and tracking their total fitness as measured by the athletic activities in the training programs.

## **PHYSICAL EDUCATION EXEMPTION POLICY**

*This policy for exemption from Physical Education became effective August 1, 2009. This information follows the guidelines set forth in ORC 3313.603, which states: "Notwithstanding anything to the contrary in this section, the board of education of each school district and the governing authority of each chartered nonpublic school may adopt a policy to excuse from the high school physical education requirement each student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons. If the board or authority adopts such a policy, the board or authority shall not require the student to complete any physical education course as a condition to graduate. However, the student shall be required to complete one-half unit, consisting of at least sixty hours of instruction, in another course of study". Guidelines: A student who, during high school, has participated in interscholastic athletics, marching band or cheerleading for at least two full seasons is not required to complete any physical education courses as a condition to graduate. However, the student is **required to complete the two full seasons before the end of their junior year**, as well as complete one-half unit, consisting of 60 hours of instruction, in another course of study. Students not fulfilling the requirements as listed in section (A) of this policy would be required to complete one-half unit of a physical education course consisting of 60 hours of instruction.*

## INFORMATION TECHNOLOGY

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
808	Cloud Based Computing	9, 10, 11, 12	.50	Semester	
802	Digital Art & Animation	9, 10, 11, 12	.50	Semester	
807	Video Production & Editing	9, 10, 11, 12	.50	Semester	
809	Web Design	9, 10, 11, 12	.50	Semester	
812	Computer & Mobile Applications	9, 10, 11, 12	.50	Semester	
813	Programming 1 (CTAG Weighted Grade)	9, 10, 11, 12	.50	Semester	
817 or CIT 100 COTC	Programming 2 (CTAG Weighted Grade) Principles Of Computer Programming (CCP) (Weighted Grade)	11, 12 9, 10, 11, 12	.50 .66 2 hrs	Semester Semester	Programming 1 Accuplacer Score/ACT score + Intent Form
814 or CIT 160 COTC	Database Applications Database (CCP) (Weighted Grade)	9, 10, 11, 12 9, 10, 11, 12	1.0 1.0 3 hrs	Year Year	Accuplacer Score/ACT score + Intent Form
815	Game Design	9, 10, 11, 12	1.0	Year	
810	AP Computer Science Principles	9, 10, 11, 12	1.0	Year	Algebra 1 + Teacher Recommendation

**COTC Articulations with Lakewood HS courses- [Click Here](#)**

**Course #808 CLOUD BASED COMPUTING-** This course is designed for students to develop knowledge about the practical uses of computers in everyday activities. Students will enhance their computer skills from basic techniques to advanced skills utilizing Google drive apps for cloud storage, file sharing, editing and collaboration.  
**\*\*\*FEE TBA\*\*\***

**Course #802 DIGITAL ART & ANIMATION-** This course is designed for students to develop skills in creating digital art and computer animation, using Photoshop. Flash will also be used to create advanced animations and add interactivity. **\*\*\*FEE TBA\*\*\***

**Course #807 VIDEO PRODUCTION & EDITING-** This course introduces the basics of video production utilizing a personal camcorder and video editing software. Students study camera angle, basic shots, video composition, and planning for visual storytelling. Students work in groups to create video projects utilizing post-production editing. **\*\*\*FEE TBA\*\*\***

**Course #809 WEB DESIGN-** Students will learn the dynamics of the web environment while pursuing an in-depth study of Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols will be addressed, and students will create websites with tag text elements, special characters, lines, graphics, hypertext links and graphical tables.

**Course #812 COMPUTER and MOBILE APPLICATIONS-** Students will learn to create applications for mobile devices using a variety of commercial and open source software. Students will learn HTML, CSS, and develop web pages. They will install these applications, modify them, and develop customer service skills to handle user issues. Knowledge and skills related to customer service in professional offices, small businesses, departments, work groups, and corporate information services will be addressed. Possible COTC Articulated Credit.

**Course # 813 PROGRAMMING 1—**In this introductory course, students will develop simple programs using a variety of block-coding languages. Students will create event-driven programs using object oriented programming techniques for use in web based and standalone applications. Students will map out, design, and test computer applications, web applications, and mobile applications. **(CTAG course- Weighted Grade)**

**Course #817 PROGRAMMING 2**- In this course, students will learn the basics of building simple interactive applications in Python, JavaScript, and Java. Students will learn the basic units of logic: sequence, selection, and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications. **(CTAG course- Weighted Grade)**

**Course # CIT 100 PRINCIPLES OF COMPUTER PROGRAMMING (CCP)** This course introduces the student to the logic of computer programming. Through the use of flowcharts, pseudocode, and a programming language, the student develops algorithms for solutions to real-world programming problems. Object Oriented programming topics will be discussed. Hands-on lab exercises allow the student to apply the algorithms to real computer programs. Interested students must submit an Intent to Participate Form and apply to COTC. **(This is a 2 hr. CCP Class through COTC with a Weighted Grade.)**

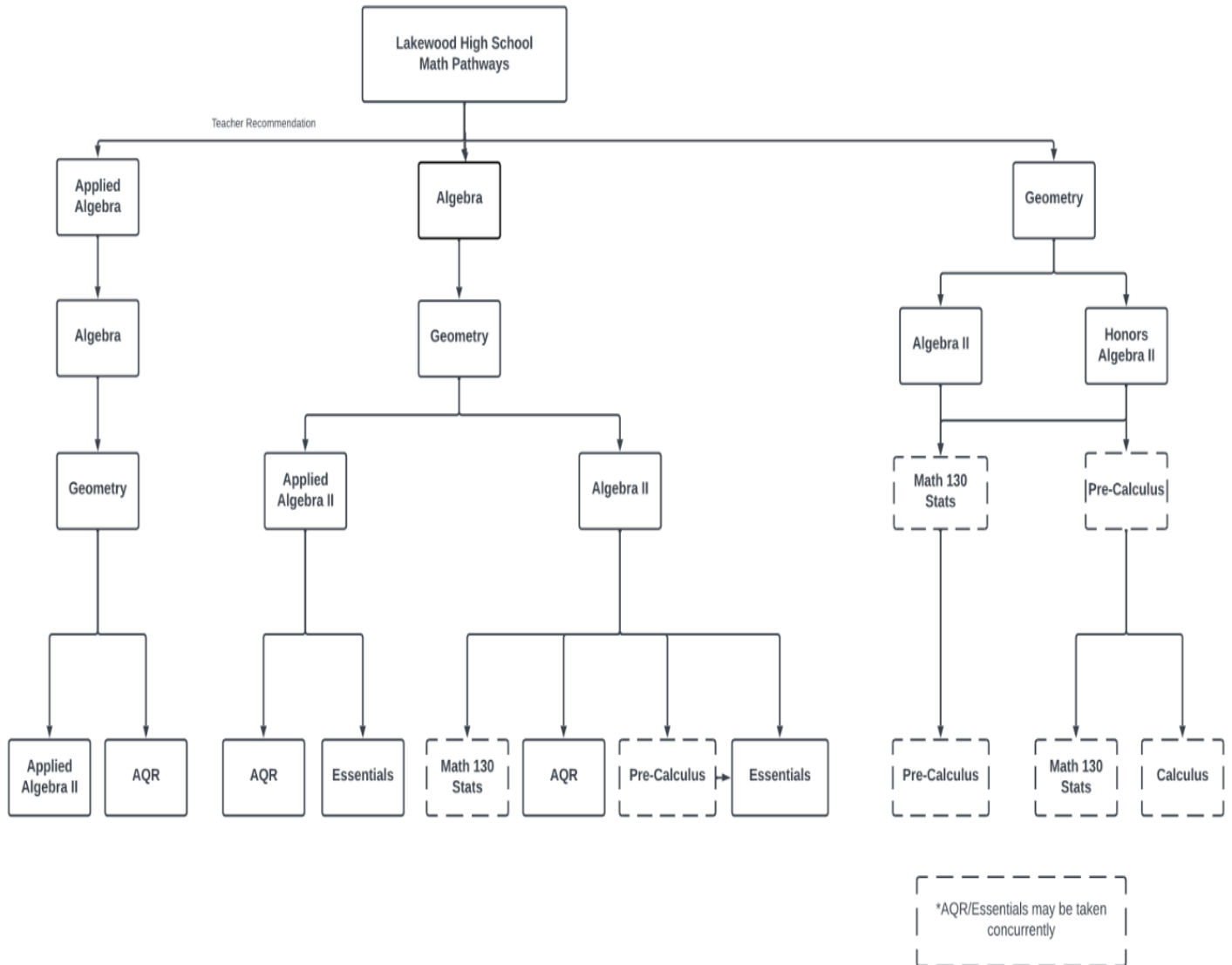
**Course #814 DATABASE ADMINISTRATION**- Students will learn about databases, SQL, transaction control, user rights and responsibilities, concurrency security, reliability, backup and recovery to perform tasks involved in the administration and management of a database system. Students will design, extract, and transform data ensuring data quality. Knowledge and skills relating to reporting systems, data warehouses, and data mining will be developed. This course can be taken as a CCP class through COTC if requirements for college admission are met. The CCP course through COTC would be **Course # CIT 160 DATABASE (CCP)** Interested students must submit an Intent to Participate Form and apply to COTC. **This is a 3 hr. CCP Class through COTC with a Weighted Grade.**

**Course #815 GAME DESIGN**- This course will prepare students to design and program games using commercial and open-source programs and applications. Students will learn industry standard programming language constructs to write programs that integrate classes, class methods, and class instances. Students will learn input method handling, animation, collision detection, game physics, and basic artificial intelligence. Must have previously taken the prerequisite of Programming to take this course. There is the possibility of COTC Articulated Credit.

**Course #810 AP COMPUTER SCIENCE PRINCIPLES**- The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impacts these solutions could have on their community, society, and the world. **(Weighted Grade)**

## MATH

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
406	Applied Algebra	9, 10, 11, 12	1.0	Year	Teacher Recommendation Only
418	Algebra 1	9, 10, 11, 12	1.0	Year	Pre-Algebra/Teacher Recommendation.
419	Geometry	10, 11, 12	1.0	Year	Algebra 1
417	Honors Geometry 9	9	1.0	Year	Algebra in 8 <sup>th</sup> grade
426	Applied Algebra 2	10, 11, 12	1.0	Year	Geometry
420	Algebra 2	10, 11, 12	1.0	Year	Geometry or Applied Alg.-2
421	Honors Algebra 2	10, 11, 12	1.0	Year	Teacher Recommendation
427	Advanced Quantitative Reasoning (AQR)	10,11,12	1.0	Year	Geometry
425	Honors Precalculus	11, 12	1.0	Year	Algebra 2
410	AP Calculus AB (Weighted Grade)	11, 12	1.0	Year	Pre-Calculus + Contract
416	College Math Essentials	12	1.0	Year	Algebra 2 or equivalent



**Course #406 APPLIED ALGEBRA**- This course is designed to strengthen student's mathematical skills to better prepare them for high school mathematics courses. Topics include ratio, rate, proportional relationships, scale drawings, geometric constructions, and further exploration of multiplication and division of whole numbers, fractions, and integers. Students also will learn about two and three-dimensional shapes and how to find their area, surface area, and volume. Writing, interpreting, using, and solving expressions and/or equations will be explored. A development of statistical thinking will also be introduced. Use of calculators will be limited. **The NCAA does not recognize this course as part of the core classes requirement for Div. 1 and Div. 2 NCAA Eligibility.**

**Course #418 ALGEBRA 1**- Algebra 1 is a course combining concepts from Transitional Algebra and Extended Algebraic Concepts. This course consists of basic Algebraic terminology and rules with a study of solving one or two variable equations. Inequalities, functions and relations, radicals and irrational numbers and quadratic equations are introduced.

**Course #419 GEOMETRY**- Geometry continues students' study of geometric concepts. The content of the course will include logic, deductive reasoning, graphing on coordinate axes, and the understanding relationship of points, lines, planes, and familiar geometric figures. Students will move from an inductive approach to deductive methods of proof in their study of two- and three-dimensional geometric figures. Reasoning skills will be emphasized, and students will broaden their use of the coordinate plane.

**Course #417 HONORS GEOMETRY 9**- This course is designed for students who took Algebra in 8<sup>th</sup> grade. This continues students' study of geometric concepts. The content of the course will include logic, deductive reasoning, graphing on coordinate axes, and the understanding relationship of points, lines, planes, and familiar geometric figures. Students will move from an inductive approach to deductive methods of proof in their study of two- and three-dimensional geometric figures. Reasoning skills will be emphasized, and students will broaden their use of the coordinate plane. Honors Geometry 9 covers the curriculum of regular Geometry at an accelerated path with the addition of more constructions and enrichment topics. **\*\*\*REQUIRED SUMMER WORK\*\*\***

**Course #426 APPLIED ALGEBRA 2** – This course is for students planning to enter the work force after high school. Emphasis is on building better algebraic skills, ACT prep, and financial Algebra 2. General topics include review of algebraic concepts, solving linear equations, solving quadratic equations, polynomials, and factoring polynomials.

**Course #420 ALGEBRA 2**- This course is for the student planning to attend a post-secondary institution after high school. Emphasis is placed on application of Algebra principals to succeed in higher-level math classes and ACT topics. General topics include review of algebraic concepts, solving linear equations, solving quadratic equations, polynomials, factoring polynomials, rational expressions, radicals, exponential notations, and exponential functions. **\*\*\* TI-83 or TI-84 graphing calculator recommended\*\*\***

**Course #421 HONORS ALGEBRA 2**- Honors Algebra 2 is a course-preparing student that are on-track to take Calculus in high school. This class will move at a faster pace and cover more topics that will prepare them for Pre-Calculus and Calculus. General Topics include quadratic equations, polynomials to degrees above 2, rational exponents and radical functions, logarithmic functions, trigonometric functions, and rational functions. Teacher approval for this class. **\*\*\* TI-83 or TI-84 graphing calculator recommended\*\*\***

**Course #427 ADVANCED QUANTITATIVE REASONING**- The Mathematical Modeling and Reasoning course is designed to promote **reasoning**, **problem-solving** and **modeling** through thematic units focused on mathematical practices, while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. Quantitative reasoning and modeling involves the application of mathematics to real world situations. Problem solving requires analyzing an unfamiliar situation and devising a solution strategy. Problem-solving and modeling mathematics together provide opportunities for students to experience success with mathematics. These habits and skills promote perseverance and cut across disciplines, providing students with a gateway to a successful transition to their post-secondary education or career. This course is appropriate for students who may not pursue a college degree or career that will require the student to take calculus.

**Course #425 HONORS PRECALCULUS**- Honors Pre-Calculus is an accelerated course that will prepare students for Calculus and AP Calculus. This course covers all topics of both the traditional pre-calculus course and some of the beginning topics of calculus. General topics include functions, conics, graphing, trigonometry, vectors, matrices, complex numbers, polar coordinate system, limits, continuity, and derivatives. **\*\*\* TI-83 or TI-84 graphing calculator required\*\*\***

**Course #410 AP CALCULUS A/B**- This course is for those who have completed advanced math. This course will be taught at a college level and the material covered will be equivalent to that of a 1<sup>st</sup> semester college Calculus class. Taking this course does not guarantee the student of advanced placement or college credit but will prepare them for college Calculus. Extensive writing and reading is essential for success in this course. A student's performance on a national exam at the end of the year determines whether college credit is earned. Interested students must submit a signed AP Contract. **(Weighted Grade) \*\*\* TI-83 or TI-84 graphing calculator required\*\*\***

**Course #416 COLLEGE MATH ESSENTIALS**- College Math Essentials is a comprehensive high school mathematics course designed to prepare students for college entrance exams and the academic demands of college-level math. This course strengthens students' understanding of key mathematical concepts drawn from Algebra I, Geometry, Algebra II, and introductory Statistics, with a strong emphasis on problem solving, critical thinking, and real-world application. Students will develop the skills necessary to analyze mathematical relationships, interpret data, and apply logical reasoning to a wide range of problems. Instruction focuses on building a solid mathematical foundation through practice with multi-step problems, mathematical modeling, and test-taking strategies. Topics align closely with content commonly assessed on standardized exams such as the ACT, SAT, college entrance exams. Topics include; Algebraic expressions, equations, and inequalities, functions and graphing, Geometric relationships and measurement, systems of equations and quadratic relationships, data analysis, probability, and basic statistics, mathematical reasoning and problem-solving strategies, This course is recommended for students planning to attend two-year or four-year colleges and universities and is especially beneficial for those seeking to strengthen math readiness, improve entrance exam performance, and gain confidence in college-level mathematics.

## PERFORMING ARTS

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
1210	Band	9, 10, 11, 12	1.0	Year	Teacher Recommendation
1207	Jazz Ensemble	9, 10, 11, 12	.50	Semester	Teacher Recommendation – After School
1200	Choir	9, 10, 11, 12	.50	Semester	
1201	A Cappella Choir	9, 10, 11, 12	1.0	Year	Teacher Permission/ Audition
1202	Music Theory	10, 11, 12	.50	Semester	Band/ Choir Students with Teacher Approval
1203	Performance Lab	9, 10, 11, 12	.50	Semester	
1216	Theatre 1	9, 10, 11, 12	.50	Semester	
1217	Theatre 2	9, 10, 11, 12	.50	Semester	
1205	Technical Theatre Squad	9, 10, 11, 12	.50	Semester	
1206	Guitar Ensemble 1	9, 10, 11, 12	.50	Semester	
1211	Guitar Ensemble 2	9, 10, 11, 12	.50	Semester	

**Course #1210 BAND-** The study of music with emphasis on instrumental performance of band literature. Specific areas covered are tone production, intonation, phrasing, breath support, balance and blend, technique, rhythm and counting, scales or rudiments, musical terms, and sight-reading. Students participate in Marching Band during football season and in the Concert Bands through the remainder of the year. Students will be divided into two concert bands if the size of the enrollment in the class warrants this action. Placement in each band will be determined by audition. The instrumentation needs of each band will also be taken into consideration. Attendance at rehearsals, concerts, parades and other scheduled performances after school hours is required. Students may also be required to attend a small group lesson once a week during a scheduled intervention or half of one lunch period **\*\*\*FEE TBA\*\*\***

**Course # 1207 JAZZ ENSEMBLE-** The study of Jazz with emphasis on performance. Specific areas covered are the development of various styles of jazz, major performance, scales, chords, and basic improvising. Enrollment is limited to standard stage band instrumentation – saxophone, trumpet, trombone, guitar, bass guitar, piano and percussion. Band students will be given preference. The class is repeatable over 4 years. **\*\*\* THIS CLASS OCCURS AFTER THE NORMAL SCHOOL DAY\*\*\*. Please do not request this class.**

**Course #1200 CHOIR-** A co-curricular year-long class with performances each 9 weeks. Students are exposed to both sacred and secular literature in a variety of musical styles and fundamentals of music including note reading, musical terms, ear training, and historical perspectives. Attendance is required at all concerts and rehearsals.

**Course #1201 A CAPPELLA CHOIR-** This is a full year class open to any LHS student. Members are selected by audition in the spring of the previous year for two separate vocal ensembles: Men's a cappella (LAME) and Women's a cappella (LOLA). Members must demonstrate the highest degree of maturity, responsibility, proficiency in sight reading, recognition of musical notation and vocabulary, and possess a high level of ability in advanced vocal production. Students in this class will be self-motivated and able to work on their own and with a small group. Pitch retention, music reading, sight singing, musical collaboration, and rhythm training will be implemented daily. These groups will participate in all major concerts and, in addition, make other appearances representing Lakewood Local School District. Participation in all performances is required.

**Course #1202 MUSIC THEORY-** Music Theory is a semester long course examining the fundamental elements of music including scales, intervals, melody, harmony, texture, rhythm, and form. Students will analyze musical notation, develop aural (listening) and sight singing skills, and learn basic part writing and harmonization. This course is designed for current band and choir students looking to deepen their knowledge of written music. Course receives ½ credit and requires teacher approval.

**Course #1203 PERFORMANCE LAB**- Performance Lab is a semester long course designed for current band students interested in developing and expanding their instrumental performance skills through various forms of musical study. Students will have the opportunity to work individually on their primary instrument, develop rehearsal and practice strategies, play in a variety of small chamber music ensembles (brass choir, woodwind trio, etc.), and explore other music performance styles such as jazz. This is a practice-based class and will be guided by the instructor. Course receives ½ credit and requires teacher approval.

**Course #1216 THEATRE 1- (INTRODUCTION TO ACTING)**- This class will enhance the students' appreciation and understanding of the theatrical experience: reading and analysis of plays (live, video and scripts) followed by exercises in written and oral critiques, discussion of the elements of play production and the business of theater. Also, students will study the basics of acting and elements of backstage theatre. This class is intended to enhance student's ability to become an appreciative and discerning theater audience member. No previous theater experience is required.

**Course #1217 THEATRE 2- (BACKSTAGE)**- This class will be centered around all that goes in to the technical and backstage part of a production. Subjects will include lighting, sound, set design, set construction and more. This class will be a hands-on learning environment. This class is open to any student.

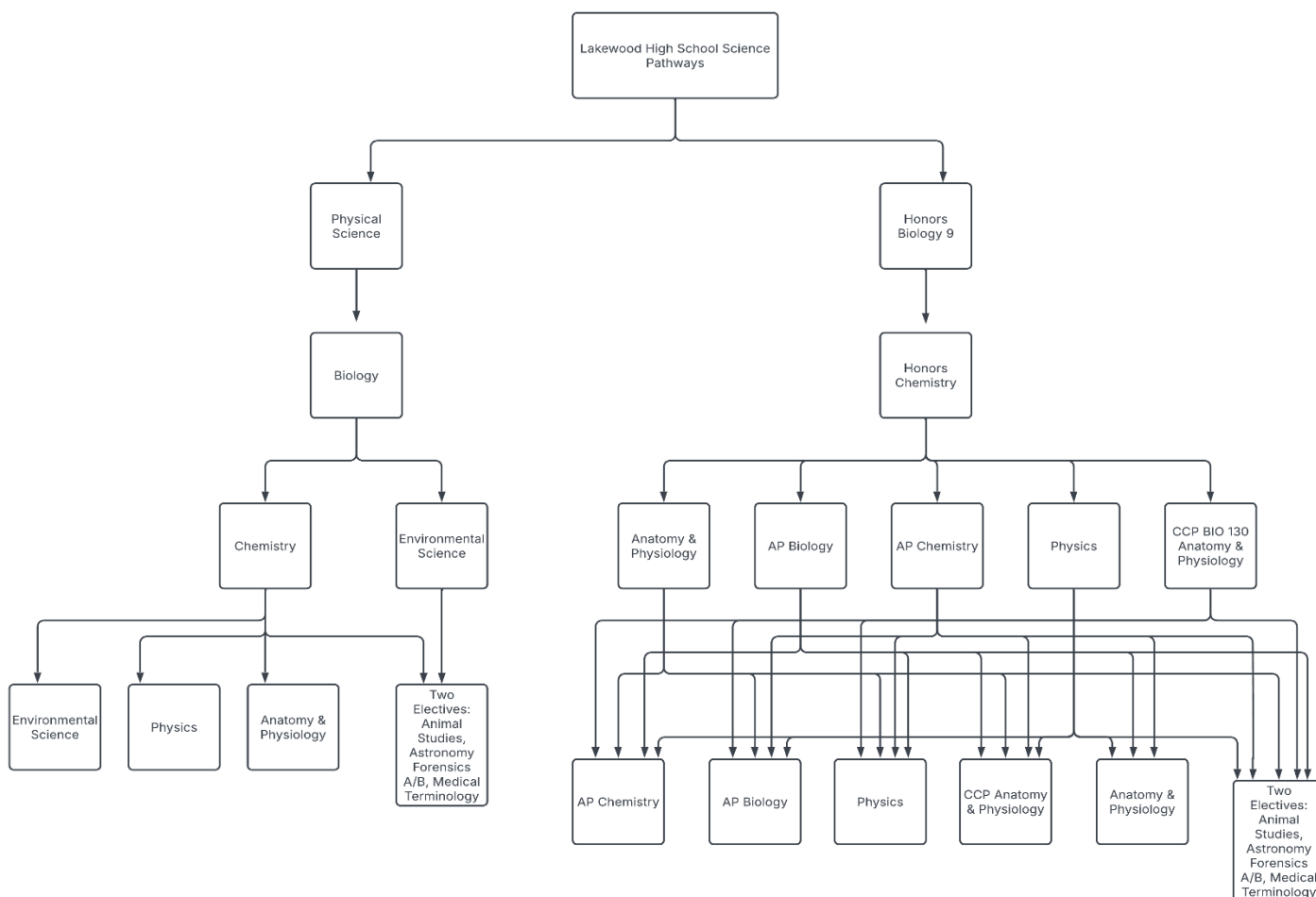
**Course #1205 TECHNICAL THEATRE SQUAD**- This class will prepare the tech squad that will run all technical aspects of the non-drama events that happen in the Performing Arts Center. Technical knowledge of safety procedures and demonstrated safe operations of theatre equipment are central to success in this course. Students will be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom. Students in this class will be required to purchase a \$10.00 "Theatre Tech Squad" shirt.

**Course #1206 GUITAR ENSEMBLE 1**- Students will learn basic skills and techniques that are required for guitar performance. We will play in small groups and a large ensemble while covering all styles of music including ROCK AND ROLL. This class will also cover some basic music theory and music history as the students develop their guitar skills and techniques. A final concert where students will play in small groups and a large ensemble is a class requirement and will be the students' final exam grade. No previous guitar experience is required. This is a semester class that students are welcome to take more than once. Experienced guitarists are welcome too! Students do NOT need to own a guitar to take this class, as we have a classroom set of guitars!

**Course # 1211 GUITAR ENSEMBLE 2**- We will expand on the skills that were developed in Guitar Ensemble 1. This will include not limited to bar chords, power cord, Blues and much more. Students must take Guitar Ensemble 1 before taking Guitar Ensemble 2 or audition with the instructor for placement in the class. Students do NOT need to own a guitar to take this class, as we have a classroom set of guitars.

## SCIENCE

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
512	Physical Science	9	1.0	Year	
500	Biology	10, 11, 12	1.0	Year	
555	Honors Biology 9	9	1.0	Year	Teacher Recommendation
503	Chemistry**	10,11, 12	1.0	Year	Algebra I & Biology
509	Honors Chemistry**	10, 11, 12	1.0	Year	Algebra 2 or concurrent/ Teacher Recommendation
501	Astronomy**	10, 11, 12	.50	Semester	Algebra 1/Biology
502	Anatomy & Physiology**	11, 12	1.0	Year	Biology or Honors Biology
BIO 130 COTC	Anatomy & Physiology** (CCP) (Weighted Grade)	11,12	1.33 4 hrs	Semester	Biology & Chemistry Accuplacer Score/ACT score + Intent Form
504	Physics**	11, 12	1.0	Year	Algebra 2 & Biology Completed
514	Environmental Science**	11, 12	1.0	Year	Biology /Teacher Recommendation
522	Medical Terminology**	10, 11, 12	.50	Semester	Biology or Honors Biology
HLT 110 COTC	Medical Terminology** (CCP) (Weighted Grade)	11,12	.66 2 hrs	Semester	Biology & Chemistry Accuplacer Score/ACT score + Intent Form
526	Forensic Science A**	11, 12	.50	Semester	Biology or Honors Biology+ Teacher Recommendation + Parent Permission
527	Forensic Science B**	11, 12	.50	Semester	Forensics A
523	Animal Studies**	10, 11, 12	.50	Semester	Biology or Honors Biology
507	AP Chemistry** (Weighted Grade)	11, 12	1.0	Year	B in Chemistry/Honors Chemistry + Teacher Recommendation + A.P. Contract
515	AP Biology** (Weighted Grade)	11, 12	1.0	Year	Chemistry/Honors Biology/ Teacher Recommendation + A.P. Contract



**\*\*Indicates this course meets advanced science Honors Diploma requirement**

**Course #512 PHYSICAL SCIENCE-** An introductory course in physical science will explore the general principles of chemistry and physics. Topics include metric measurement, scientific ways of thinking, classification of matter, atoms and atomic theory, chemical reactions, energy, waves, electromagnetism, and Newton's Laws of Motion. Upon completion, students should be able to demonstrate an understanding of the physical environment and be able to apply scientific principles to observed experiences. **\*\*\*FEE TBA and Calculator\*\*\***

**Course #500 BIOLOGY-** This course is designed to introduce the life sciences and includes a study of cell theory, structure and function, genetics and human heredity, evolution, and ecology. This course will emphasize scientific processes through a focus on experimental design, data analysis, and basic laboratory skills. In addition, students will explore essential vocabulary and gain an understanding of how biology connects to their life experiences outside the classroom. **\*\*\*Fee TBA\*\*\***

**Course #555 HONORS BIOLOGY 9-** Honors Biology is designed to prepare students for the rigor of AP Biology and AP Chemistry. College Board expectations, along with the Ohio Learning Standards set forth by the state of Ohio, will be the foundation of this course. The course is designed to provide an in-depth look at Life Science, with topics including Ecology, Cell Studies, Genetics and Evolution. Extensive reading, laboratory work, and scientific writing will be expected from all students. Teacher recommendation, GPA, and various test scores will be the basis of admission into this course. **\*\*\*REQUIRED SUMMER WORK\*\*\* \*\*\*FEE TBA\*\*\***

**Course #503 CHEMISTRY**- Chemistry is the study of matter and how it changes. Emphasis is placed on atomic structure, the periodic table, bonding, and chemical reactions. Chemistry is a math-based science that will help to develop critical thinking and problem-solving skills. Students will investigate these topics through several inquiry-based laboratory experiments. A scientific calculator is required. Chemistry is highly recommended for any college-bound student. Scientific calculator required. Prerequisites are Algebra and Biology **\*\*\*FEE TBA\*\*\***

**Course #509 HONORS CHEMISTRY**- An advanced study of chemistry geared towards preparing students for the rigor of AP chemistry. This course will cover the same material as regular chemistry but move at a faster pace and extend content into some additional challenging concepts at the end of the year. Students will be expected to have above average algebraic math skills and the intrinsic motivation to explore the science of chemistry. Prerequisites are Algebra, Biology, and teacher recommendation. **\*\*\*FEE TBA and Calculator\*\*\***

**Course #501 ASTRONOMY**- Astronomy is a year-long course designed to guide students through the key ideas of astronomy, from its origins to the modern day. As the oldest science, astronomy provides students an opportunity to develop their scientific reasoning and argumentation skills, while learning about some of the Universe's most amazing phenomena. Topics include the Big Bang, the history of astronomy, stellar evolution, the solar system, the planets, galaxies, and modern topics in astronomy. Throughout the course, projects will be used to reinforce learning and develop the core skills of scientists. The course concludes with a student-driven project focused on applications of astronomy. **\*\*\*Fee TBA\*\*\***

**Course #502 ANATOMY & PHYSIOLOGY**- This course will explore the intricate relationship between the structure and function of human body systems and how they contribute to homeostasis. Topics will range from the biochemical composition of body tissue to identification of individual organs and how they function within the body. This is a lecture-based class that incorporates diagrams and models along with labs and dissections of organs and organisms. Completion of this course will be ideal preparation for students pursuing careers related to the health and medical fields. **\*\*\*FEE TBA\*\*\***

**COURSE #BIO 130 ANATOMY & PHYSIOLOGY I(CCP)**- Anatomy and Physiology I is the first course in a two semester sequence that explores the structure and function of the human body. Laboratory studies will involve the application of lecture materials through the use of microscopy, dissection, and examination of anatomical models. **This is a 4 hr. CCP Class through COTC with a Weighted Grade.**

**Course #504 PHYSICS**- Physics is the study of the real world with emphasis on the rules and relationships by which matter, and energy interact. These concepts are an integration of science and math. Students will incorporate a variety of mathematical, critical thinking, synthesis, and analysis skills. Knowledge of mathematics facilitates a deeper understanding of physics, and how physics provides an immediate application of the mathematics concepts. This college preparatory lab course examines topics related to matter and energy, forces, the laws of motion, work, heat, light, wave motion, sound, electricity, magnetism, and gravitation. Students will participate in a variety of assignments, laboratories, and projects that show the relevance of physics and mathematics to everyday life. Prerequisites are Algebra 2 and Biology. **\*\*\*FEE TBA and TI-84 Plus Graphing Calculator\*\*\***

**Course #514 ENVIRONMENTAL SCIENCE**- This course is designed to provide a broad, general understanding of the fundamental principles of Environmental Science. The academic content focuses primarily on the Earth and the environment and the effect of the human population on them. Laboratory investigations will be conducted which reinforce principles taught in the classroom. **\*\*\*FEE TBA\*\*\***

**Course #522 MEDICAL TERMINOLOGY**- Medical terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. Utilizing a body systems approach, the student will redefine, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Common abbreviations applicable to each system will be interpreted. Knowledge of medical terminology enhances a student's ability to successfully secure employment or pursue advanced education in health science.

**COURSE #HLT 110 MEDICAL TERMINOLOGY (CCP)**- This course is designed to introduce the student to medical vocabulary as it relates to structure, function, physiology, diseases, diagnostics and treatment associated with all body systems. **This is a 2 hr. CCP Class through COTC with a Weighted Grade.**

**Course # 526 FORENSIC SCIENCE A**- This forensic science class is designed for students to evaluate evidence and solve crimes using scientific knowledge and reasoning. It involves all areas of science with an emphasis in complex reasoning and critical thinking. Topics in Forensics A will include observational skills and crime scene investigation techniques, fingerprints, toxicology, ballistics and other physical evidence related to crimes. (Sophomores require parental/teacher permission.) **\*\*\*FEE TBA\*\*\***

**Course # 527 FORENSIC SCIENCE B**- This forensic science class is designed for students to evaluate evidence and solve crimes using scientific knowledge and reasoning. It involves all areas of science with an emphasis in complex reasoning and critical thinking. Topics in Forensics B will be a continuation of evidence from Forensics A, but will include biological evidence such as DNA, hair, insects, decomposition and blood spatter. (Sophomores require parental/teacher permission.) **\*\*\*FEE TBA\*\*\***

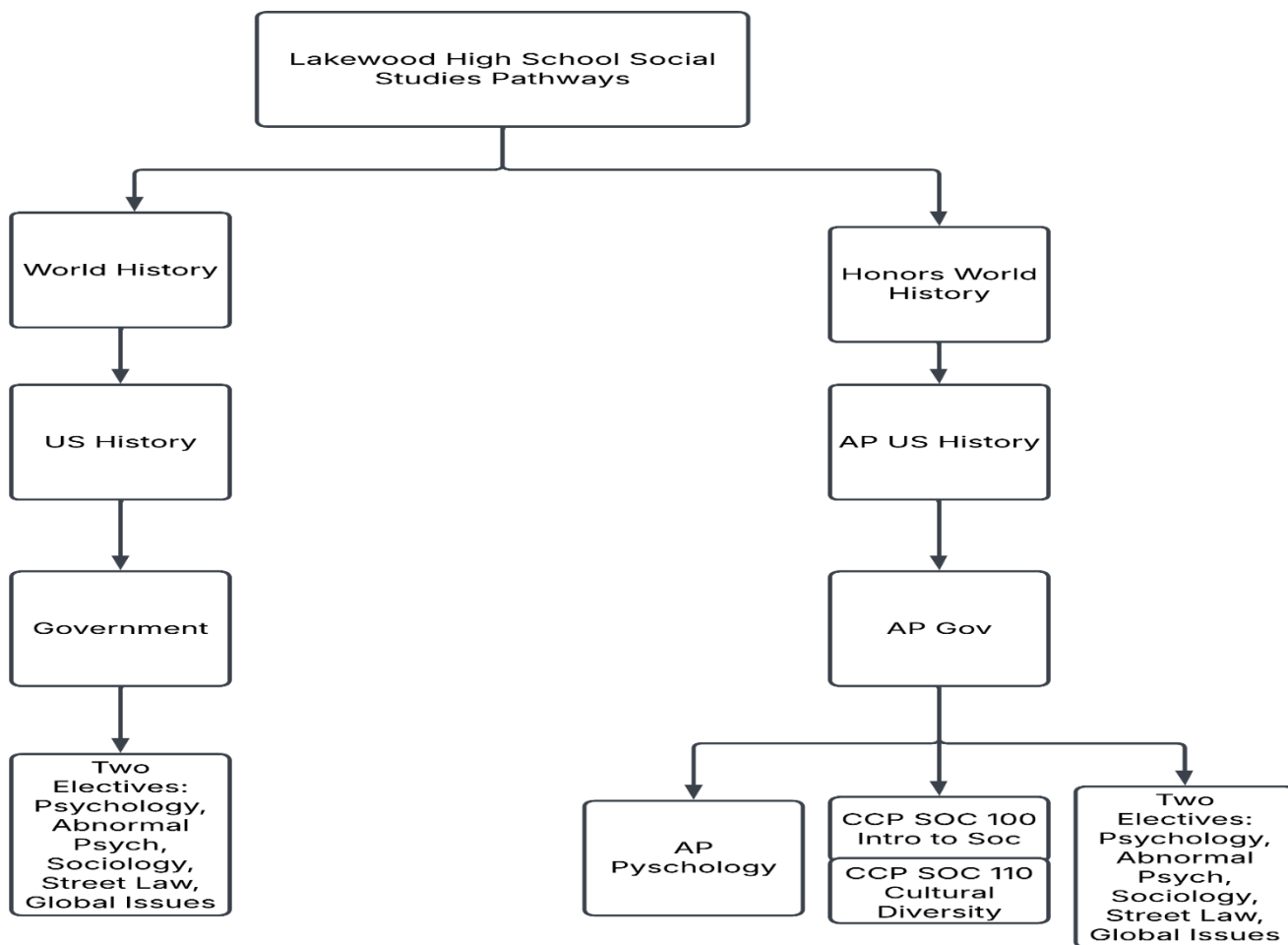
**Course #523 ANIMAL STUDIES**- This course is designed to familiarize students with the variety of animal life on our planet from the simplest to most complex. It will make connections to biological concepts including cells, natural selection and adaptation, ecology, and conservation. This course includes an overview of the diversity of the six kingdoms of life and technology and laboratory investigations to observe and research a variety of species to gain an understanding of the relationships among all living things. This course is designed for the student who has curiosity about the living world but does not necessarily plan to pursue a career in science. **\*\*\*Fee TBA\*\*\***

**Course # 507 AP CHEMISTRY**- This AP Chemistry course is designed to be the equivalent of the general Chemistry course usually taken during the first year of college. For most students, this course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. AP chemistry is a very time-intensive course. It requires the completion of homework and/or study every day outside of class. Those students who take AP Chemistry have completed Honors Chemistry with a B average and have a science teacher recommendation. Interested students must submit a signed AP Contract. **\*\*\*REQUIRED SUMMER WORK\*\*\* (Weighted Grade) \*\*\*FEE TBA\*\*\***

**Course #515 AP BIOLOGY**- The AP Biology course is designed to enable the student to develop advanced inquiry and reasoning skills, including designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across biological ideas. Extensive reading and writing are a major component of this course. The result will be ready for the study of advanced topics in subsequent college courses. The AP Biology course and exam are organized around a few underlying principles called the big ideas, which encompass the core scientific principles, theories and processes governing living organisms and biological systems. These big ideas include evolution, cellular processes: energy and communication, genetics and information transfer, and interactions. Student performance on the AP exam at the end of the year will determine whether college credit is awarded. Interested students must submit a signed AP Contract. **\*\*\* REQUIRED SUMMER WORK \*\*\* (Weighted Grade) FEE TBA\*\*\***

## SOCIAL STUDIES

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
604	World History	9	1.0	Year	
656	Honors World History	9	1.0	Year	Teacher Recommendation
601	US History	10, 11, 12	1.0	Year	
600	Government	11	1.0	Year	
611	AP US History (Weighted Grade)	10, 11, 12	1.0	Year	Teacher Recommendation + Contract
608	AP US Government (Weighted Grade)	11, 12	1.0	Year	Teacher Recommendation + Contract
612	Global Issues	9, 10, 11, 12	.50	Semester	
603	Psychology	9, 10, 11, 12	.50	Semester	
605	Abnormal Psychology	11, 12	.50	Semester	Psychology
602	Sociology	9,10, 11, 12	.50	Semester	
606	Street Law	9, 10, 11, 12	.50	Semester	
607	AP Psychology (Weighted Grade)	11,12	1.0	Year	Teacher Recommendation + AP Contract
SOC 100 COTC	Intro to Sociology (CCP) (Weighted Grade)	11,12	1.0 3 hrs	Semester	Accuplacer Score/ACT score + Intent Form
SOC 110 COTC	Cultural Diversity (CCP) (Weighted Grade)	11,12	1.0 3 hrs	Semester	Accuplacer Score/ACT score + Intent Form



**Course #604 WORLD HISTORY**- World History is a history of the world from the Enlightenment Era to the 20<sup>th</sup> century. It emphasizes pertinent historical eras and related concepts. Areas covered include the, Enlightenment, Industrial Revolution, Imperialism, World War I, World War II, and the Cold War. Basic skills such as using maps, charts, and graphs will be utilized.

**Course #656 HONORS WORLD HISTORY**- Honors World History is designed to prepare students for the rigor of Honors US History in 10<sup>th</sup> grade and AP US History during their junior year. College Board expectations and Ohio Common Core Standards will be the foundation of this course. This course is a survey of World History from the Enlightenment to Contemporary Conflicts of the 20<sup>th</sup> Century. This course will contain a variety of different learning methods to accomplish objectives, both individually and in learning teams. Honors students must be self-motivated to conduct research papers and projects. This course will require notetaking, critical thinking, and extensive reading and writing assignments. Various angles of World History will be presented and alternative readings, other than the text, will be provided. **\*\*\*REQUIRED SUMMER WORK\*\*\***

**Course #601 US HISTORY**- American History is an in-depth study of our American Heritage from the Industrial Age to the present time. Special emphasis will be given the Industrial Revolution and other 20<sup>th</sup> century events, which enabled America to become and remain a world power.

**Course #600 GOVERNMENT**- Government is a study of concepts, events and people that have influenced the establishment of U.S. government. Juniors will be exposed to and will gain an understanding of the process by which our government makes, interprets, and enforces law.

**Course #611 AP US HISTORY**- The Advanced Placement program in U.S. History is a college level class, therefore, the objectives of this class will be more complex than the traditional secondary course in U.S. History. Students completing this course are expected to have a mastery of general facts about U.S. History, an understanding of the chronology of U.S. History from the American Revolution to the present day, and a knowledge and understanding of major documents that influenced U.S. History. The student should also be able to approach materials critically and analytically, be able to present oral and written ideas, and be able to develop skill in research methods. At the end of the course, the student will be able to determine and explain the interaction of ideas and events in the course of history. A student's performance on a national exam at the end of the year determines whether college credit is earned. Interested students must submit a signed AP Contract. **\*\*\*REQUIRED SUMMER ASSIGNMENT WILL BE DUE AT THE FIRST-CLASS MEETING \*\*\* (Weighted Grade)**

**Course #608 AP US GOVERNMENT**- The Advanced Placement program in U.S. Government and Politics is a college level course. Therefore, the objectives of this course will be more complex than the traditional secondary course in U.S. Government and Politics. Students completing this course are expected to have a mastery of general facts about U.S. Government and Politics. Topics covered include: Constitutional Underpinnings of U.S. Government; Political Beliefs and Behaviors, Political Parties, Interest Groups, and Mass Media; Institutions of National Government; Public Policy; and Civil Rights and Liberties. Students should be able to approach materials critically and analytically, present oral and written ideas, and develop skills in research methods and procedures. At the end of the course, the student will be able to determine and explain the interaction of ideas, events and policies in U.S. Government. Extensive writing and reading is essential for success in this course. A student's performance on a national exam at the end of the year determines whether college credit is earned. Interested students must submit a signed AP Contract. **\*\*\*SUMMER WORK REQUIRED\*\*\* (Weighted Grade)**

**Course # 612 GLOBAL ISSUES**- The dynamics of global connections among nations and regions present issues that affect all humanity. These dynamics include competing beliefs and goals, methods of engagement, and conflict and cooperation. Contemporary issues have political, economic, social, historic, and geographic components. Approaches to addressing global regional issues reflect historical influences and multiple perspectives. In this course, students will learn about global connections and their role within those connections. Topics will include, but are not limited to, civic participation, civil and human rights, sustainability, technology, media literacy, national security, international diplomacy, the global economy, and globalization. Through the use of a variety of media, including weekly magazines, newspapers, videos, essays, and guest speakers, students will also be exposed to (or become aware of) different events happening on a local, national, and world-wide level. Students will write essays, position papers, participate in and learn debate skills, create presentations, and watch documentaries/films for this class.

**Course #603 PSYCHOLOGY**- Psychology is a course designed to explore the organization and functioning of the human brain and resulting behavior. Areas covered include brain, physiology, personality, memory, learning, consciousness, and psychological disorders. This course is strongly recommended for college bound students.

**Course # 605 ABNORMAL PSYCHOLOGY**- Abnormal Psychology is the study of mental illness. This course is an introduction to the psychopathology of human experience. It will focus on abnormal behaviors and what in our brains cause us to develop these behaviors. It allows students gain a deeper appreciation for the study and the lives of those that experience the problems of mental illness. Mature material and topics will be discussed in class. Topics include but are not limited to serial killers, evil leaders, child criminals, mass/school shootings and terrorism. Because of the mature content of the class, this will be a senior only elective.

**Course #602 SOCIOLOGY**- Sociology is the study of society and human interactions. Topics include cultural diversity, crime & deviance, social status, race and ethnic relations, gender, the family, education, and religion.

**Course #606 STREET LAW**- Street Law is a practical education course about Law, democracy, and human rights. Street Law is designed to empower students to transform democratic ideals into citizen action. Students will learn how to apply what they have learned in the classroom to the real world. Topics will include every aspect of law from civil and criminal courts to legal matters related to terrorist activity.

**Course #607 AP PSYCHOLOGY**- AP Psychology introduces students to the systematic and scientific study of human behavior and mental processes. While considering the studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas. **(Weighted Grade)**

**Course # SOC 100 INTRODUCTION TO SOCIOLOGY (CCP)**- Sociology is the study of social groups and societal institutions and their effect on society and individuals. Topics covered include research methods, theoretical perspectives, culture, the structure and organization of society, systems of stratification including global inequality, racial stratification, social class and gender stratification, major social institutions and current topics. **This is a 3 hr. CCP Class through COTC with a Weighted Grade.**

**Course # SOC 110 CULTURAL DIVERSITY (CCP)**- This course focuses on the differences and similarities among racial, ethnic, religious and other diverse populations in the United States and includes historical, religious and sociocultural issues and current conflicts. **This is a 3 hr. CCP Class through COTC with a Weighted Grade.**

## S.T.E.M. (Science, Technology, Engineering and Math)

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
113	Manufacturing Operations (CTAG Weighted Grade)	9, 10, 11, 12	1.0	Year	
114	Engineering Design	9, 10, 11, 12	.50	Semester	
115	Robotics	10, 11, 12	.50	Semester	
118	STEM Capstone	10, 11, 12	1	Year	Must have completed one STEM course previously
117	Problem Solving for Team Leaders (Lean Six Sigma)	9, 10, 11, 12	.50	Semester	

In our Engineering and Science Technologies Pathway, students have the opportunity to earn multiple credentials through Amatrol's Industry 4.0 Fundamentals (I4F) Program. Industry 4.0, also referred to as Smart Factory or the Industrial Internet of Things, is the next level of manufacturing, made up of data and connectivity, analytics, human-machine interaction, and improvements in robotics. The program prepares students for high-paying careers in local industries. Each course offers the opportunity to earn a variety of industry credentials from SACA (Smart Automation Certification Alliance).

**Course # 113 MANUFACTURING OPERATIONS-** In this year-long course students will be introduced to the basic tools and processes of advanced manufacturing, also known as Industry 4.0. Lessons include machine safety, dimensional measurement, mechanical power, basic electrical circuits, electrical control diagrams, basic robot programming, etc. Second semester students will learn about manufacturing metrics, power efficiency, fluid force and frictions, basic material handling, PLC project development, PLC motor control, CNC machining, and PLCs. In this course students have the opportunity to earn the SACA C101: Basic Operations and the SACA C102: Advanced Operations industry certification. **This is the foundational course for the Engineering and Manufacturing Pathway.** Students must take this course before they can take Robotics or Computer Integrated Manufacturing. **FEE TBA \*\*\* (CTAG course- Weighted Grade)**

**Course # 114 ENGINEERING DESIGN-** This course introduces students to the principles of engineering, problem-solving, innovation, and the application of the engineering design process. Through hands-on projects and collaborative work, students apply the engineering design process to conceptualize, prototype, and refine solutions to real-world problems. Topics include blueprints, technical drawing, CAD (Computer-Aided Design), 3D modeling/printing, laser engraving, and design principles. This course emphasizes teamwork, communication, and the iterative nature of design. (This course can be taken at any time.) **FEE TBA \*\*\***

**Course# 115 ROBOTICS-** This semester course explores robotic components and programming. Students will also learn about electrical principles and materials science. Students will work with Vex robots and industrial robots. **FEE TBA \*\*\***

**Course # 118 STEM CAPSTONE**- This year-long course provides opportunities for students to apply knowledge and skills learned in other STEM pathway courses and explore topics of interest to them. Students have the opportunity to earn various credentials in this capstone course, such as:

- o SACA C201: Electrical Systems 1
- o SACA C202: Electrical Motor Control Systems
- o SACA C203: AC Variable Frequency Drives
- o SACA C206: Electrical System Installation 1
- o SACA C212: Ethernet Communications 1
- o SACA C211: Total Production Maintenance Management
- o SACA C210: Mechanical Power Systems 1
- o SACA C204: Motor Control Troubleshooting 1
- o SACA C209: Pneumatic Systems 1
- o SACA C207: Programmable Controller Systems 1
- o SACA C208: Programmable Controller Troubleshooting 1

In order to take this course, students must have taken one prior course in the STEM pathway (Manufacturing Operations, Engineering Design or Robotics).

**Course #117 PROBLEM SOLVING FOR TEAM LEADERS(Lean Six Sigma)**- This semester class will help develop important problem-solving skills that are essential in many career fields. The class teaches Lean Six Sigma strategies used by many businesses such as General Electric, Ford, Toyota, Xerox, and Cardinal Health. At the completion of the course students are eligible to earn Lean Six Sigma Green Belt Certification (a 6pt. credential towards graduation). Course highlights include learning how to use a problem-solving framework to solve a team and personal improvement project. Students will also learn how to effectively run meetings, collect/analyze data and give presentations. **\*\*\*FEE TBA\*\*\***

## VISUAL ARTS

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
201	Everyday Art	9, 10, 11, 12	.50	Semester	Recommended First Visual Arts
202	Photography	9, 10, 11, 12	.50	Semester	
205	Ceramics	9, 10, 11, 12	.50	Semester	
207	Sculpture	9, 10, 11, 12	.50	Semester	
208	Drawing	9, 10, 11, 12	.50	Semester	
209	Painting	9, 10, 11, 12	.50	Semester	

**Course #201 EVERYDAY ART-** This course explores the application of the elements of art and principles of design through a variety of media to create functional and/or decorative arts. Students will have some flexibility in what they learn and practice. As a class, students will vote to learn a digital art medium (digital modeling/sculpting, pixel art, digital coloring/painting, image editing), a traditional 2D medium (drawing, painting, pastels) and a traditional 3D art medium (clay, cardboard, paper craft), creating a major project for each. This class is designed to be a nice introduction to the various art classes offered here at the high school by giving students a chance to sample topics and media covered by other art classes without committing to a full year course. **\*\*\*FEE TBA\*\*\***

**Course #205 CERAMICS-** This course explores the application of the elements of art and principles of design through the versatile 3D medium of clay. Topics covered include: visual exploration, ideation sketches, documentation of process, portfolio building, hand-building & sculpting techniques, construction methods/processes specific to clay, and the opportunity to learn and practice basic wheel throwing. Students will work with clay, carving tools, paint, and glazes to explore three-dimensional design while developing both functional & sculptural forms. This class is hands-on and messy, and it is recommended that students signing up for this course trim their nails short and refrain from wearing long acrylic nails for the full duration of the class. **\*\*\*FEE TBA\*\*\***

**Course #207 SCULPTURE-** This course explores the application of the elements of art and principles of design through a variety of 3D art mediums. Topics covered include: visual exploration, ideation sketches, documentation of process, portfolio building, additive and subtractive construction, paper craft, quilling, assemblage, and digital sculpture/modeling. Students will have the opportunity to explore three-dimensional design while working with clay, cardboard, paper, hot glue, tape, paint, wire, and digital software to make partially 3D relief sculptures, as well as fully 3D works. **\*\*\*FEE TBA\*\*\***

**Course #208 DRAWING-** This course explores the application of the elements of art and principles of design through the age-old art medium of drawing. Topics covered include: visual exploration, ideation sketches, documentation of process, portfolio building, graphite and pen shading techniques, drawing and rendering of 3D forms, still-life/observational drawing, 1-point and isometric perspective, basic portraiture, and paleo art. Students will have the opportunity to work with different drawing tools such as graphite, charcoal, markers, and ink pens to create dynamic 2D artworks. **\*\*\*FEE TBA\*\*\***

**Course #209 PAINTING-** This course explores the application of the elements of art and principles of design through painting. Topics covered include: visual exploration, ideation sketches, documentation of process, portfolio building, basic color theory, color mixing, visual stylization and abstraction, and cut paper illustration. Students will have the opportunity to work with acrylic paint, acrylic paint markers, watercolor paint, canvas panels, and digital painting software to create dynamic 2D artworks. **\*\*\*FEE TBA\*\*\***

**Course #202 PHOTOGRAPHY**- This course explores the application of the elements of art and principles of design using digital photography. Topics covered include: visual exploration, ideation sketches, image file management, portfolio building, using, caring and handling a DSLR camera, manually adjusting exposure through shutter, aperture, and ISO settings, fundamental composition techniques, utilizing camera equipment like light boxes and tripods, basic portraiture, visual storytelling, product photography, and the use of digital image editing and manipulation software. Owning a camera while helpful is NOT a requirement for this class, as students will have the opportunity to check out school-owned camera equipment and use it for their projects and assignments. Given the technical-heavy nature of this course and its assignments, as well as the responsibility that comes with handling expensive photo equipment, it is recommended that this NOT be a student's first art class at the High School. Additionally, this class will require students to go out and take pictures outside of the regular class time for homework. If a student cannot commit time outside of class to take pictures, it is recommended that they reconsider their enrollment in this particular course **\*\*\*FEE TBA\*\*\***

## WORLD LANGUAGES

<u>COURSE #</u>	<u>TITLE</u>	<u>GRADES</u>	<u>CREDIT</u>	<u>LENGTH</u>	<u>PREREQUISITE</u>
303	Spanish 1	9, 10, 11, 12	1.0	Year	C average in English
304	Spanish 2	9, 10, 11, 12	1.0	Year	C in Spanish 1/Teacher Recommendation
306	Spanish 3	10, 11, 12	1.0	Year	C in Spanish 2/Teacher Recommendation
307	Spanish 4	11, 12	1.0	Year	C in Spanish 3/Teacher Recommendation
312	Spanish 5	12	1.0	year	C in Spanish 4/Teacher Recommendation
305	Spanish Cultural Literacy	10, 11, 12	.50	Semester	

**Course #303 SPANISH 1 (Novice Low to Novice Mid)**- This is the first course of the Spanish program designed to introduce students to the language and culture. Students will use communication skills through the three modes of communication: interpretive, interpersonal, and presentational. Additionally, students will develop their writing, speaking, and listening skills in a cultural context with the use of authentic materials.

**Course #304 SPANISH 2 (Novice Mid to Novice High)**- Spanish 2 will build on the foundation of Spanish 1. It is designed to help students develop their listening, speaking, reading, and writing skills in Spanish. We will work on the acquisition of new vocabulary words, learn useful grammatical concepts, and learn the conjugation of verbs in the present and past tense. The course will also expand the students' understanding of the history and culture of Spanish-speaking countries. The course has been aligned to national standards by ACTFL (the American Council on the Teaching of Foreign Languages).

**Course #306 SPANISH 3 (Novice High to Intermediate Low)**- This is the third course of the Spanish program designed to further increase students' communication skills through the three modes of communication: interpretive, interpersonal, and presentational. Students will continue to develop their reading, writing, speaking, and listening skills in a cultural context with the use of authentic materials. Most of the class will be communicated in Spanish. *Students will take the (CAAP) Collaborative Articulation and Assessment Project exam in the Spring.*

**Course #307 SPANISH 4 (Intermediate Low to Intermediate Mid)**- In this course, the student will apply the grammar and vocabulary learned in the first three levels of Spanish and will learn the more detailed aspects of the language. The emphasis of the class is to improve the listening, speaking, reading, and writing skills in Spanish. The students will create their own dialogues of realistic situations, will read authentic materials, and produce short compositions. We will strive to speak only Spanish in class and communicate with native speakers.

**COURSE # 312 SPANISH 5 (Intermediate Mid to Intermediate High)**- In the fifth year of Spanish, there will be great emphasis on developing the students' speaking ability. The students will be able to use advanced grammar structures appropriately. The students will read and listen to different authentic sources, such as podcasts, advertisements, TV news, etc. The students will participate in discussions and write compositions. The class will be conducted only in Spanish. They will communicate with native speakers.

**Course #305 SPANISH CULTURAL LITERACY**- This semester course focuses on the culture of the Spanish speaking countries and communities of the world. We will use language, current events, history and geography to increase the student's awareness of the Spanish-speaking people. This course is designed for the student who wants to learn about Spanish culture without emphasis on grammar and vocabulary. **This is not a foreign language course.**



## Appendix A:

# Lakewood High School

*Future Focused*

## Career Pathway Guide

Achieving a successful and satisfying career requires careful planning, studying, training and hard work. Choosing the right path to follow in high school is the first critical step in achieving that goal.

Career Pathways give students an opportunity to learn more about their interests before committing to a career path after high school. Whether a student is interested in going to college, getting a certificate, or working right after high school, the Career Pathways Guide is a tool to help students pursue relevant coursework for their chosen career field. Pathways allow students to earn industry credentials and/or college credit that may lead to the start of a career or give students a head start in completing a degree program.

Lakewood Local Schools, C-TEC and Central Ohio Technical College collaborate to offer students pathway opportunities in Engineering and Science Technologies, Advanced Manufacturing, Business, Hospitality and Tourism, and Informational Technology. This guide displays courses within the path and recommends a course sequence for scheduling. Please note that additional high school courses are required for graduation.

Consult with your school counselor to ensure that your course plan is a best fit and meets all graduation requirements.

The careers identified in each pathway are a representative list of possibilities in this field.

For more information about careers visit: [OhioMeansJobs.com](http://OhioMeansJobs.com).

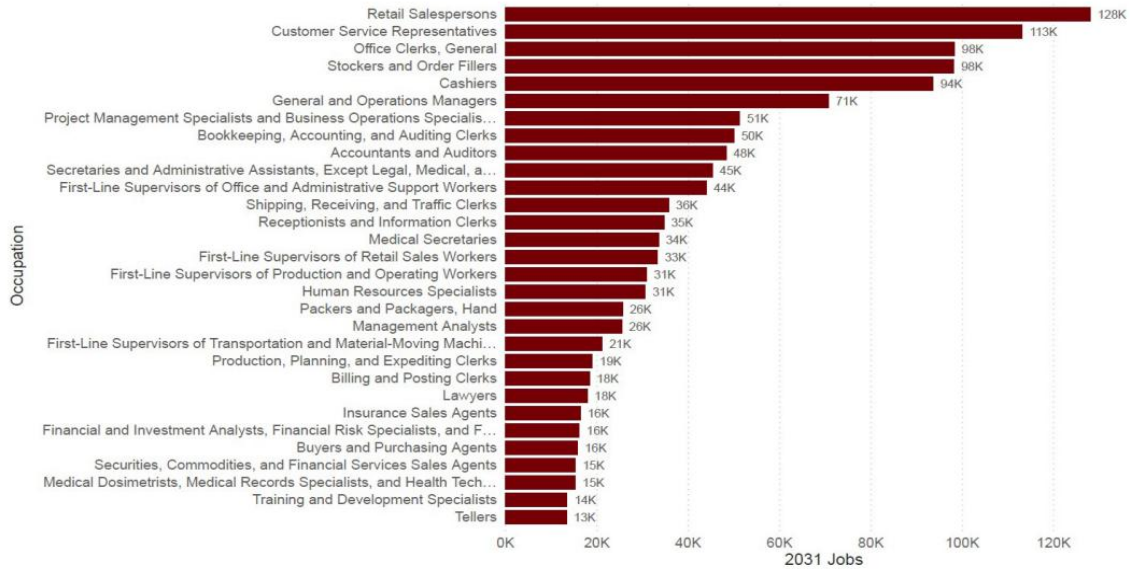


# BUSINESS



## CAREER PATHWAY OCCUPATIONS

Projected Growth of Business and Administrative Services Jobs in Ohio (2031)



The Business Management and Administrative Services program areas will prepare students for technical and professional level careers in business management, human resources, operations management, distribution and logistics, supply chain and legal or medical office management.

### PROFESSIONAL CAREERS:

Human Resources  
Health Services, Administration  
Management  
International Business

Management  
Office Administration  
Entrepreneurship

Medical Coding  
Operations  
Project Management

### TECHNICAL CAREERS:

Business Information Specialist  
Business Owner  
Records Processor

Data Entry Specialist  
Medical Billing & Coding Associate  
Legal Secretary

Administrative Assistant  
Medical Transcriptionist



Different careers need different amounts of preparation. Find out about the skills and education you need to be successful in the Business Administration Services pathway.



# BUSINESS



## PATHWAY COURSE GUIDE

	English	Math	Science	Social Studies	Pathway Courses	Recommended Courses
7						MS Career Connections
8		Algebra 1			Pre-Engineering Technologies	
9	English 1/ Honors English 1	Algebra 1/ Geometry	Physical Science/ Honors Biology 9	World History/ Honors World History	Marketing Principals Health	Spanish 1
10	English 2/ Honors English 2	Geometry/ Algebra 2 or equivalent	Biology/ Honors Chemistry 10	US History or Honors US History	Careers	Spanish 2
11	<b>ENGL 100 and SPCH 100</b> / English 3	Honors Precalculus	Chemistry/ Physics	Government	Financial Literacy	Spanish 3
12	<b>ENGL 101/ENGL 211 and SPCH 205/</b> English 4	AP Calculus	Student Choice	SS electives	Problem Solving for Team Leaders (Lean Six)  Strategic Entrepreneurship	<b>SOC 110</b>

**Anytime:** 1 Fine Arts Credit    ½ credit of Physical Education

**Bolded Courses are COTC classes offered at Lakewood High School**



# ENGINEERING & SCIENCE TECHNOLOGIES CAREER PATHWAY OCCUPATIONS



Occupation Title	Median Salary	Anticipated Annual Openings	Education and Training Requirements
Machine Operator	\$35,980	1,360	High School Diploma
CNC Programmer	\$59,170	310	CTE/Certification
Mechanical Engineer	\$83,080	970	Advanced Degree

## PROFESSIONAL CAREERS

Aerospace Engineer  
Compliance Inspector  
Cost Estimator  
Mechanical Engineer  
Mining Engineer  
Automotive Designer  
Quality Control Inspector

Civil Engineer  
Construction Manager  
Electrical Engineer  
Flight Engineer  
Physicist  
Robotics Engineer

Chemical Engineer  
Air Traffic Controller  
Industrial Engineer  
Petroleum Engineer  
Pilot  
Architect

## TECHNICAL CAREERS

Civil Engineering Technician  
Industrial Engineering Technician  
Air Traffic Controller  
Drafter

Mechanical Engineering Technician  
Nuclear Technician  
Electronic Engineering Technician



Different careers need different amounts of preparation. Find out about the skills and education you need to be successful in the Engineering and Science Technologies pathway.

## PARTNERSHIPS





# ENGINEERING & SCIENCE TECHNOLOGIES

## PATHWAY COURSE GUIDE



	English	Math	Science	Social Studies	Pathway Courses	Recommended Courses
7						MS Career Connections
8		Algebra 1			Pre-Engineering Technologies	
9	English 1/ Honors English 1	Algebra 1/ Geometry	Physical Science/ Honors Biology 9	World History/ Honors World History	Manufacturing Operations (CTAG) Health	Spanish 1
10	English 2/ Honors English 2	Geometry/ Algebra 2 or equivalent	Biology Honors Chemistry 10	US History or Honors US History	Robotics Engineering Design	Spanish 2
11	<b>ENGL 100 and SPCH 100</b> / English 3	Honors Precalculus	Environment al Science	Government	Robotics Financial Literacy	Spanish 3
12	<b>ENGL 101/ENGL 211 and SPSCH 205/</b> English 4	AP Calculus	Physics	SS electives	Engineering 101 (CCP) STEM Capstone	AP Biology or AP Chemistry <b>SOC 110</b>
<b>Anytime:</b> 1 Fine Arts Credit    ½ credit of Physical Education						
<b>Bolded Courses are COTC classes offered at Lakewood High School</b>						



### C-TEC ENGINEERING CAREER OPTIONS

(FOR JUNIOR AND SENIOR STUDENTS)

### Engineering and Advanced Manufacturing Mechatronics- EAM

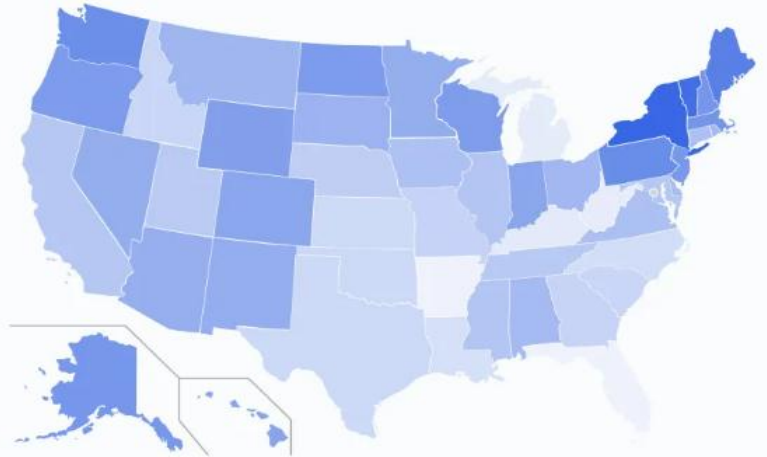


# HOSPITALITY AND TOURISM CAREER PATHWAY OCCUPATIONS



The average annual pay for a career in the Hospitality Tourism industry in the United States is \$49,999. Depending on the specific job and position, salaries range from \$38,000 to \$88,000.

## Hospitality Tourism Salary in the United States



	Annual Salary	Monthly Pay	Weekly Pay	Hourly Wage
Top Earners	\$58,000	\$4,833	\$1,115	\$28
75th Percentile	\$55,000	\$4,583	\$1,057	\$26
Average	\$49,999	\$4,166	\$961	\$24
25th Percentile	\$45,000	\$3,750	\$865	\$22



\$39,500 Lowest Highest \$58,500

Last Updated : November 22, 2023

### CAREERS

Front Office Manager  
Directors of Housekeeping  
Cruise Director  
Food and Beverage Manager  
Guest Services  
Theme Park Manager  
Conference Organizer  
Group Sales

Casino Manager  
Chef  
Tour Guide  
Catering Food  
Concierge  
Bridal Planner  
Sports Event Executive  
Communication Specialist

Sous Chef  
Pastry Chef  
Travel Agent  
Truck Owner  
Event Planner  
Spa Director  
Hospitality Services Director  
Digital Marketing



Different careers need different amounts of preparation. Find out about the skills and education you need to be successful in the Human Services pathway.



# HOSPITALITY AND TOURISM PATHWAY COURSE GUIDE



Through this pathway, students will have the opportunity to earn a variety of credentials that can immediately be used in the workplace. Credentials include Rise Up Customer Service & Sales, Rise Up Industry Fundamentals, ServSafe Person In Charge, ServSafe Food Handler & ServSafe Allergens.

	English	Math	Science	Social Studies	Pathway Courses	Recommended Courses
7						MS Career Connections
8						
9	English 1 Or Honors English 1	Algebra 1 or Geometry	Physical Science	World History, Honors World History	Health	Intro to Family and Consumer Science
10	English 2 or Honors English 2	Geometry/ Algebra 2 or equivalent	Biology	US History or AP US History	Careers	Smart Foods
11	<b>ENGL 100 and SPCH 100</b> or English 3	Precalculus or College Math Essentials	Chemistry	Government	Financial Literacy	<b>SPCH 100</b>
12	<b>ENGL 101/ENGL 211 and SPCH 205 or</b> English 4	Student Choice	Physics	SS electives	Culinary Fundamentals/ Leadership Community Engagement	<b>SPCH 205</b> AP Biology or AP Chemistry <b>SOC 110</b>

**Anytime:** 1 credit of Fine Arts ½ credit of Physical Education

**Bolded Courses are COTC classes offered at Lakewood High School**



## C-TEC HOSPITALITY & TOURISM CAREER OPTIONS

### CULINARY ARTS- CA



# INFORMATION TECHNOLOGY CAREER PATHWAY OCCUPATIONS



Occupation Title	Median Salary	Anticipated Annual Openings	Education and Training Requirements
Computer User Support Specialist	\$48,830	1,700	CTE/Certification
Computer Network Support Specialist	\$63,230	630	CTE/Certification
Information Security Analyst	\$103,470	470	Advanced Degree

## PROFESSIONAL CAREERS

Systems Analyst  
Technical Support Engineer  
Network Administrator  
Database Administrator  
Product Support Engineer

Computer Programmer  
Senior Programmer  
Systems Administrator  
Programmer Analyst  
Multi-Media Director

Software Specialist  
IS Analyst  
Graphic Designer  
Network Engineer

## TECHNICAL CAREERS

Certified Network Tech  
Database Developer  
Call Center Support Rep  
LAN Support Analyst  
Tech Project Manager  
Network Operations Analyst  
Web Page Designer  
Instructional Designer  
Multi-Media Specialist  
Audio/Visual Specialist  
Operations Scheduler  
Virtual Reality Designer  
Quality Assurance Tech

Software Designer  
Customer Service Rep  
PC System Coordinator  
Telecommunications  
Interactive Digital Media  
Test Specialist  
Graphics Tech  
Production Assistant  
LAN Technician  
Technical Sales Rep  
Web Content Designer  
Production Assistant  
Multi-Media Programmer

Entry Programmer  
Media Designer  
Animator  
Visual Design  
Cable Installer  
Computer Operator  
Data Analyst  
Hardware Installer  
Technical Writer  
Imaging Specialist  
PC Technician  
IS Operator



Different careers need different amounts of preparation. Find out about the skills and education you need to be successful in the Information Technology pathway.

## PARTNERSHIPS





# INFORMATION TECHNOLOGY PATHWAY COURSE GUIDE




Grade	English	Math	Science	Social Studies	Pathway Courses	Recommended Courses
7						MS Career Connections
8						
9	English 1 or Honors English 1	Algebra 1 Geometry	Physical Science or Honors Biology 9	World History, Honors World History	Programming Programming 1 Health	Cloud Based Computing Digital Art & Animation Video Production & Editing Real World IT Web Design
10	English 2 or Honors English 2	Geometry/ Algebra 2 or equivalent	Biology Chemistry Honors Chemistry	US History or Honors US History	Computer & Mobile Applications*  Careers	
11	<b>ENGL 100 and SPCH 100</b> or English 3 or AP Language	Honors Precalculus	Physics	Government	<b>Database Administration</b> Game Design* Financial Literacy <b>Programming 2</b>	<b>SPCH 100</b>
12	<b>ENGL 101/ENGL 211 and SPCH 205</b> or English 4 or AP Literature	AP Calculus or MATH 130	AP Biology, AP Chemistry	SS Electives	AP Computer Science	<b>SPCH 205</b> <b>SOC 110</b>

**Anytime:** 1 Fine Arts Credit    ½ credit of Physical Education

**Bolded courses are COTC classes offered at Lakewood High school.**

**\*Courses have prerequisites**



**C-TEC INFORMATION TECHNOLOGY CAREER OPTIONS**

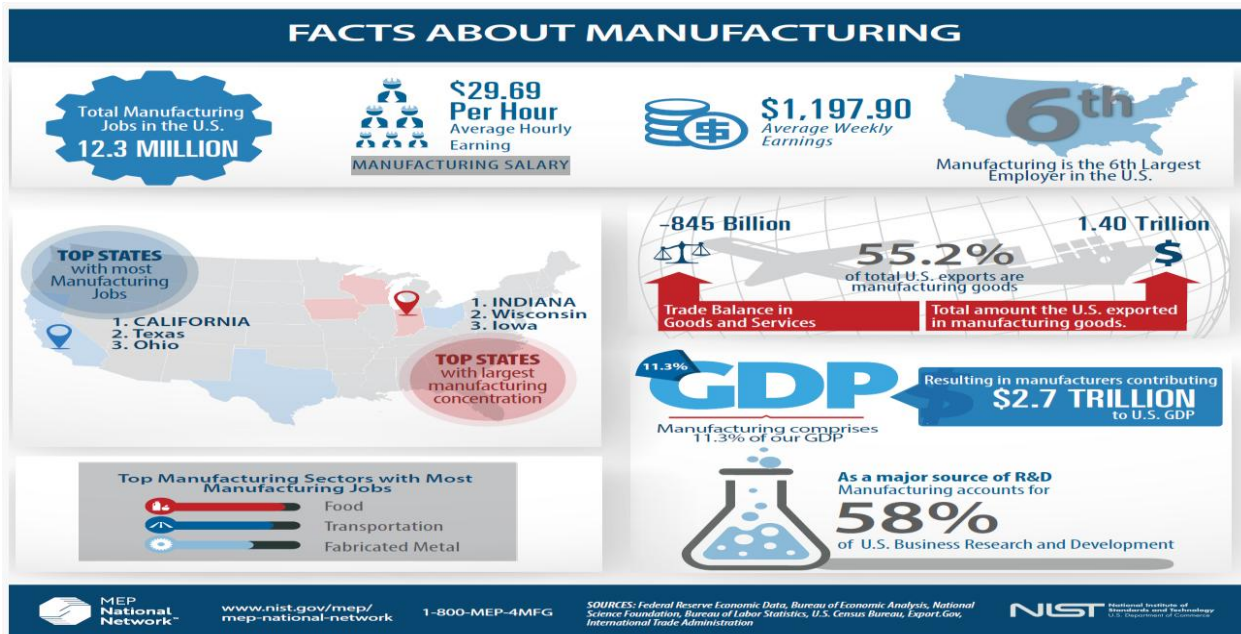
**CYBERSECURITY & INFORMATION TECHNOLOGY- CIT**

**DIGITAL DESIGN & INTERACTIVE MEDIA- DDI**

**DIGITAL DESIGN AND INTERACTIVE MEDIA- CTP**



# MANUFACTURING CAREER PATHWAY OCCUPATIONS



## PROFESSIONAL CAREERS

- |                              |                        |                         |
|------------------------------|------------------------|-------------------------|
| LAN Technician               | Quality Specialist     | Automation Engineer     |
| Production Supervisor        | Operations Manager     | Equipment Engineer      |
| Electromechanical Technician | Manufacturing Engineer | Process Engineer        |
| Electronic Technician        | Production Associate   | Assembly Technician     |
| Quality Specialist           | Automation Engineer    | Audio/Visual Specialist |
| Data Management Specialist   | Technical Writer       |                         |

## TECHNICAL CAREERS

- |                   |                           |               |
|-------------------|---------------------------|---------------|
| Loader/Unloader   | Assembler                 | Picker/Packer |
| Forklift Operator | General Production Worker |               |



Different careers need different amounts of preparation. Find out about the skills and education you need to be successful in the Manufacturing pathway.

## PARTNERSHIPS





# MANUFACTURING COURSE GUIDE

## PATHWAY COURSE GUIDE



Grade	English	Math	Science	Social Studies	Pathway Courses	Recommended Courses
7						MS Career Connections
8					Principals of Engineering Technologies	
9	English 1 or Honors English 1	Algebra 1	Physical Science	World History or Honors World History	Manufacturing Operations (CTAG)	
10	English 2 or Honors English 2	Geometry	Biology	US History or Honors US History	Robotics Careers	
11	English 3	Algebra 2 or equivalent	Chemistry	Government	Problem Solving for Team Leaders – Lean Six Sigma	Career Connections 12pt Credential- Certified Logistics Technician
12	English 4	Honors Precalculus or College Math Essentials	Environmental science/ Physics	SS Electives	Stem capstone	<b>SPCH 205</b> <b>SPCH 100</b> <b>SOC 110</b>

**Anytime:** 1 Fine Art Credit    ½ credit of Physical Education

### C-TEC MANUFACTURING/ENGINEERING CAREER OPTIONS

*(FOR JUNIOR AND SENIOR STUDENTS)*

**ENGINEERING and ADVANCED MANUFACTURING- EAM**

**MECHATRONICS-MECH**

**WELDING and METAL FABRICATION- WLD**





## Appendix B:

# COLLEGE EDGE PATHWAY COURSE GUIDE



This pathway is open to any student in grades 7-12 and enables qualified students to take college courses while in high school at a state supported college/university at no cost to the student. \* Students must meet a cut score determined by ACT or ACCUPLACER test. Students qualifying for the CCP Pathway receive a weighted grade for each class.

Beginning college course work in high school is a big advantage for students but also a big responsibility. Grades received in these classes become part of a student's permanent college transcript and could enhance or hinder a student's college future. Students should consult with their guidance counselor to ensure they are prepared for the challenge.

***\*Students and parents must attend an informational meeting in the winter (prior to beginning coursework) and must meet all college application requirements and deadlines.***

	English	Math	Science	Social Studies	Electives
9	English 1 or Honors English 1	Algebra 1 or Geometry	Physical Science or Honors Biology 9	World History, Honors World History, Health, Information Tech	
10	English 2 or Honors English 2	Algebra 2 or equivalent	Biology, Conceptual Chemistry, Honors Chem.	US History or Honors US History, Careers	<ul style="list-style-type: none"> <li>• <b>Programming</b></li> <li>• <b>Psychology</b></li> <li>• <b>Sociology</b></li> <li>• <b>Medical Terminology</b></li> <li>• <b>Foreign Language (2 or 3 years)</b></li> <li>• <b>Visual or Performing Art</b></li> <li>• <b>ENGR 101(CCP)</b></li> <li>• <b>SOC 110</b></li> </ul>
11	<b>ENGL 100 and SPCH 100</b> or English 3 or AP Language	Precalculus	Physics	Government, Financial Literacy	
12	<b>ENGL 101/ENGL 211 and SPCH 205</b> or English 4 or AP Literature	AP Calculus or MATH 130 or College Math Essentials	AP Biology or AP Chemistry <b>BIO 130</b>	SS Electives <b>SOC 100</b> , <b>SOC 110</b>	
<b>Bolded courses indicate CCP 15-30 semester hours of credit available</b>					

\*Students must successfully complete the CCP class to take advantage of the free coursework. If students do not pass the class, the family must cover the cost of the course.



# CAREER CONNECTIONS COURSE GUIDE



For students interested in pursuing careers in the following fields, Lakewood High School offers many electives to support future goals. **Bolded courses indicate CCP.**

Visual Arts	Performing Arts	Communications	Health Science
<p><b><u>CORE COURSES:</u></b>            Everyday Art            Ceramics            Sculpture            Drawing            Painting            Photography            Digital Art &amp;            Animation            Video Production &amp;            Editing</p> <p><b><u>Supplemental:</u></b>            Technical Theater            Squad            Psychology            Web Design            Game Design</p>	<p><b><u>CORE COURSES:</u></b>            Band            Jazz Ensemble            Choir            A Capella Choir            Theater 1            Theater 2            Guitar Ensemble 1            Guitar Ensemble 2            Technical Theater Squad            Performance Lab</p> <p><b><u>Supplemental:</u></b>            Music Theory  <b>SPCH 100</b>  <b>SPCH 205</b>  <b>ENGL 211</b>            Psychology            Sociology            Photography</p>	<p><b><u>CORE COURSES:</u></b>            Honors English 1 &amp; 2  <b>ENGL 100</b>  <b>ENGL 101</b>            AP Language &amp; Comp            AP Literature &amp; Comp  <b>SPCH 100</b>  <b>SPCH 205</b>  <b>ENGL 211</b>            Spanish 1,2, 3, 4</p> <p><b><u>Supplemental:</u></b>            Theater 1            Theater 2            Psychology            Sociology            Photography            Journalism 1</p>	<p><b><u>CORE COURSES:</u></b>            Biology            Chemistry            Anatomy &amp; Physiology            Medical Terminology            Forensics A &amp; B</p> <p><b><u>Supplemental:</u></b>            Spanish (at least 2 years)  <b>SPCH 100</b>  <b>SPCH 205</b>  <b>SOC 100</b>  <b>SOC 110</b>  <b>BIO 130</b></p>

## Appendix C:

### CAREER CREDENTIAL OPPORTUNITIES

An industry-recognized credential is a verification of an individual's qualification or competence. A third party with authority (U.S. Department of Labor, 2010) issues a credential. Industry-recognized credentials are valued in the labor market and are a validation of knowledge and skill. They can take many forms, including certifications, certificates, and licenses. In addition to helping students meet graduation requirements, earning an industry-recognized credential allows students to learn about a particular skill set or job and demonstrate mastery of skills.

Engineering & Manufacturing	Hospitality & Tourism	Business*
OHS 10 (1)	Lean Six Sigma Yellow Belt (3)	Lean Six Sigma Yellow Belt (3)
Lean Six Sigma Yellow Belt (3)	Lean Six Sigma Green Belt (6)	Lean Six Sigma Green Belt (6)
Lean Six Sigma Green Belt (6)	ServSafe Food Handler (1)	Ohio Driver's License (1)
MSSC Logistics Technician (12)	ServSafe Person in Charge (2)	OHS 10 (1)
Smart Automation Certification Alliance (SACA)- Certified Industry 4.0 Associate I- Basic Operations (3)	Rise up Industry Retail Fundamentals (6)	Rise Up Retail Industry Fundamentals (6)
(SACA)-Certified Industry 4.0 Associate II- Advanced Operations (3)	Ohio Driver's License (1)	
(SACA)-Certified Industry 4.0 Associate III- Robot System Operations (3)		
(SACA)-Certified Industry 4.0 Associate IV- IIoT, Networking and Data Analytics (3)		
Ohio Driver's License (1)		

## Appendix D:



### Lakewood High School Course Registration Worksheet 2026-2027

Name: \_\_\_\_\_ Student ID # \_\_\_\_\_ 26-27 Grade \_\_\_\_\_

Please use this form to help you fill out your Google Request Form with the elective classes you wish to take during the school year.

Your current core subject teachers will select core classes (English, Math, Science, Social Studies, and maybe Spanish) for you!

You must fill 4 minimum full year electives or 8 semester electives, or some combination of both yearlong and semester courses depending on your grade level.

Consult the course guide for more information regarding specific course numbers and offerings.

Elective Courses (Rank in order of Preference)		
	Course #	Name of Course
1		
2		
3		
4		
5		
6		
7		
8		

#### Helpful Tips:

- If you took MS IT in 7<sup>th</sup> or 8<sup>th</sup> grade you do not need to take another IT course unless you want to. (Class of 2027 is the last class to possibly have earned this at the MS).
- If you want band, please schedule that for a full year (Course number 1210).
- By the end of sophomore year, students need to have completed an IT course (.5 credits), Health (.5 credits), 2 PE classes (.25 Credits each), and Careers (.5 credits).
- Please note this form is only to help students select courses, as it does not indicate the exact order in which they will appear on a student's schedule.

# Appendix E:

## Senior, Junior, Sophomore Elective Course List

COURSE #		CREDIT
<b>BUSINESS</b>		
117	Problem Solving for Team Leaders	.50
931	Marketing Principles	.50
932	Strategic Entrepreneurship	1
<b>CAREER BASED INTERVENTION PROGRAM</b>		
116	Career Connections (formerly MET)	1
<b>ENGLISH (for HS credit)</b>		
721	AP Language & Composition (11)	1
700	AP Literature & Composition (12)	1
ENGL 100	Composition 1 (CCP)	1/3hrs
ENGL 211	Survey of American Literature (CCP)	1/3hrs
SPCH 205	Public Speaking (CCP)	1/3hrs
<b>ENGLISH ELECTIVES</b>		
725	Public Speaking	.50
743	Journalism 1	.50
740	Yearbook	1
708	Best Sellers	.50
732	Mystery, Detective and Crime Fiction	.50
<b>FAMILY and CONSUMER SCIENCE</b>		
925	Intro to Family Consumer Science	.50
926	Culinary Fundamentals	.50
927	Leadership & Community Engagement	.50
<b>PHYSICAL EDUCATION</b>		
1003	Strength Training	.25
1009	Physical Education	.25
1004	Team Sports	.25
1006	Fitness For Life	.25
1007	Women's Fitness	.25
<b>INFORMATION TECH</b>		
808	Cloud Based Computing	.50
802	Digital Art & Animation	.50
807	Video Production & Editing	.50
809	Web Design	.50
812	Computer & Mobile Applications	.50
813	Programming 1	.50
817	Programming 2	.50
CIT 100	Programming 2	.66/2hrs
814	Database Applications	1
CIT 160	Database Applications	1/3hrs
815	Game Design	1
810	AP Computer Science Principles	1
<b>MATH</b>		
427	Advanced Quantitative Reasoning	1
425	Honors Precalculus	1
410	AP Calculus AB	1
416	College Math Essentials	1
<b>PERFORMING ARTS</b>		
1210	Band	1
1200	Choir	.50
1201	A Cappella Choir	1
1202	Music Theory	.50
1203	Performance Lab	.50
1216	Theatre 1	.50
1217	Theatre 2	.50
1205	Technical Theatre Squad	.50
1206	Guitar Ensemble 1	.50
1211	Guitar Ensemble 2	.50

COURSE #		CREDIT
<b>SCIENCE</b>		
503	Chemistry	1
509	Honors Chemistry	1
501	Astronomy	.50
502	Anatomy & Physiology	1
BIO 130	Anatomy & Physiology (CCP)	1/4hrs
504	Physics	1
514	Environmental Science	1
522	Medical Terminology	.50
HLT 110	Medical Terminology (CCP)	.66/2hrs
526	Forensics Science A	.50
527	Forensics Science B	.50
523	Animal Studies	.50
507	AP Chemistry	1
515	AP Biology	1
<b>SOCIAL STUDIES</b>		
611	AP US History	1
608	AP US Government	1
603	Psychology	.50
605	Abnormal Psychology	.50
602	Sociology	.50
612	Global Issues	.50
606	Street Law	.50
607	AP Psychology	1
SOC 100	Intro to Sociology (CCP)	1/3hrs
SOC 110	Cultural Diversity (CCP)	1/3hrs
<b>STEM</b>		
113	Manufacturing Operations	1
114	Engineering Design	.50
115	Robotics	.50
118	STEM Capstone	1
117	Problem Solving for Team Leaders	.50
<b>VISUAL ARTS</b>		
201	Everyday Art	.50
202	Photography	.50
205	Ceramics	.50
207	Sculpture	.50
208	Drawing	.50
209	Painting	.50
<b>WORLD LANGUAGES</b>		
303	Spanish 1	1
304	Spanish 2	1
306	Spanish 3	1
307	Spanish 4	1
312	Spanish 5	
305	Spanish Cultural Literacy	.50
<b>OTHER</b>		
AA	Academic Assist (Study Hall)	0

# Appendix F:

## Freshman Electives

COURSE #		CREDIT
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### BUSINESS

117	Problem Solving for Team Leaders	.50
931	Marketing Principles	.50
932	Strategic Entrepreneurship	1

### ENGLISH

725	Public Speaking	.50
743	Journalism 1	.50
708	Best Sellers	.50
732	Mystery, Detective and Crime Fiction	.50

### FAMILY and CONSUMER SCIENCE

925	Intro to Family Consumer Science	.50
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### HEALTH/PHYSICAL EDUCATION

1003	Strength Training	.25
1009	Physical Education	.25
1004	Team Sports	.25
1006	Fitness For Life	.25
1007	Women's Fitness	.25

### INFORMATION TECH

808	Cloud Based Computing	.50
802	Digital Art & Animation	.50
807	Video Production & Editing	.50
809	Web Design	.50
812	Computer & Mobile Applications	.50
813	Programming 1	.50
814	Database Applications	1
815	Game Design	1
810	AP Computer Science Principles	1

### PERFORMING ARTS

1210	Band	1
1200	Choir	.50
1201	A Cappella Choir	1
1202	Music Theory	.50
1203	Performance Lab	.50
1216	Theatre 1	.50
1217	Theatre 2	.50
1205	Technical Theatre Squad	.50
1206	Guitar Ensemble 1	.50
1211	Guitar Ensemble 2	.50

COURSE #		CREDIT
----------	--	--------

### SOCIAL STUDIES

612	Global Issues	.50
603	Psychology	.50
602	Sociology	.50
606	Street Law	.50

### STEM

113	Manufacturing Operations	1
114	Engineering Design	.50
117	Problem Solving for Team Leaders	.50

### VISUAL ARTS

201	Everyday Art	.50
202	Photography	.50
205	Ceramics	.50
207	Sculpture	.50
208	Drawing	.50
209	Painting	.50

### WORLD LANGUAGES

303	Spanish 1	1
304	Spanish 2	1

### OTHER

AA	Academic Assist (Study Hall)	0
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# Appendix G:

## '26-'27 Lakewood High School AP Student Expectations Agreement

Date: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
Parent/Guardian Name: \_\_\_\_\_

Taking an AP course and exam is a collaborative effort between you the student, your parent/guardian, and the school. Each party plays a role and must make the commitment to meet the expectations noted below.

**The Student** agrees to organize his/her time and effort to successfully complete the AP course in which he/she is enrolled. The student will notify teachers immediately if he/she falls behind in class readings and/or assignments. The student will be expected to complete assignments, readings and projects outside of class time. **The student will take the AP Exam on its scheduled date and time as outlined by the College Board.** If you do not sit for the exam, there is no makeup time, no refund, you will not get the weighted final grade, and you will receive an F in the Semester 2 exam column of your grade card.

**The Parent/Guardian** agrees to be familiar with and accept the AP course requirements and policies, and to help his/her child organize study time in support of class assignments. The parent/guardian agrees to support the teachers' decision regarding the student's enrollment in the course throughout the year. The parent/guardian agrees to purchase required materials and to pay the exam fee as determined by the AP Coordinator. If the parent/guardian is unable to meet these requirements for financial reasons, they will contact the AP Coordinator immediately.

**The School (AP Teacher and AP Coordinator)** agrees to provide rigorous instruction and challenging course content as described in the *AP Course Description*. The school will provide the student with a copy of the *Bulletin for AP Students and Parents* and agrees to administer the AP Exam in a fair and secure environment as outlined in the *AP Coordinator's Manual*.

**Enrollment in AP classes is final unless initiated by the teacher.**

I, agree to the conditions outlined above. I understand that the AP Exam fee will be approximately \$99.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
AP Teacher Signature

\_\_\_\_\_  
Subject

\_\_\_\_\_  
Date

\_\_\_\_\_  
AP Teacher Signature

\_\_\_\_\_  
Subject

\_\_\_\_\_  
Date

\_\_\_\_\_  
AP Teacher Signature

\_\_\_\_\_  
Subject

\_\_\_\_\_  
Date

\_\_\_\_\_  
AP Teacher Signature

\_\_\_\_\_  
Subject

\_\_\_\_\_  
Date

\_\_\_\_\_  
AP Teacher Signature

\_\_\_\_\_  
Subject

\_\_\_\_\_  
Date

The student is responsible for obtaining parent signature and returning this agreement to Mr. Sikorski by 4/1/25.

# Appendix H:



**Department of  
Higher Education**

College Credit Plus

**INTENT TO PARTICIPATE IN COLLEGE CREDIT PLUS**

**PUBLIC SCHOOLS**

<b>Please Indicate the Academic Year for which this Intent Form is for</b>	
<b>School Name</b>	
<b>Student Name</b>	
<b>Student Grade Level Next Year</b>	
<b>Parent/Guardian Name</b>	
<b>Home Address</b>	
<b>Parent Phone Number</b>	
<b>Parent Email Address</b>	
<b>Student Phone Number</b>	
<b>Student Email Address</b>	

<p>Select Date of Submission</p>	<div style="display: flex; align-items: center;"> <input checked="" style="margin-right: 10px;" type="checkbox"/> <div> <p><b>April 1<sup>st</sup> (For the upcoming Academic Year)</b></p> <p><i>Any student who provides notification by the first day of April may be approved to participate in the program for the next full school year. Any student who provides notification by the first day of November may be approved to participate in the program for the next semester or term only. Any student who fails to provide the notification by the required date may not participate in the program in the next semester or term without the written consent of the principal, or equivalent.</i></p> </div> </div>
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**DECLARATION OF INTENT**

I would like to declare my intent to participate in the College Credit Plus program. I understand that signing this form does not require that I participate during the upcoming school year or the next semester or term, and I may decide not to participate without consequence.

I also understand that it is my responsibility to notify my school if I do not gain admission to my selected institution of higher education or choose not to participate in the program.

In addition, I certify that I have received counseling about the College Credit Plus program concerning the rules and regulations for both my school and the college, and that I understand my responsibilities, the benefits and possible risks of participating in the College Credit Plus program.

Please sign and return this form to the secondary school by **the deadline period selected above.**

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

### **NON-DISCRIMINATION STATEMENT (TITLE IX)**

All the courses, programs and activities presented in this guide are open to all students, regardless of sex, provided that the students have met all established requirements. This policy meets all requirements and directions of the U.S. Department of Education of Title IX of the Education Amendments of 1972, as contained in Section 86 of the Federal Register, page 24128.

Patti Pickering- Director of Teaching and Learning/ Title IX Coordinator

740-928-5878 [ppickering@lakewoodlocal.k12.oh.us](mailto:ppickering@lakewoodlocal.k12.oh.us)

### **OUR VISION & MISSION**

Reimagining education, instilling community pride, inspiring future success.

LAKWOOD... A FAMILY-FRIENDLY, INCLUSIVE COMMUNITY DEDICATED TO EMPOWERING EVERY LEARNER THROUGH INNOVATION, COLLABORATIVE PROBLEM-SOLVING AND CONSISTENT COMMUNICATION.