WE are preparing our students for the 4Es

Employment

Enlistment

Enrollment

Entrepreneurship
# Table of Contents

**GENERAL INFORMATION**
- Grades and Credits .............................................................................. 1
- Grading Scale ...................................................................................... 2
- Types of Courses ................................................................................ 3
- Student Options for Earning High School Credit ................................. 3
- Acceptance by a College/University .................................................... 5
- Grade Placement .................................................................................. 5
- Scheduling Procedures and Changes .................................................... 5
- Senior Flex Schedule .......................................................................... 6
- Diploma with Honors .......................................................................... 6
- NCAA Eligibility .................................................................................. 7
- Special Education Programs ................................................................. 7
- Graduation Requirements .................................................................... 8
- Sample Four Year Plans ..................................................................... 10

**ACADEMIC AREAS**
- Business ............................................................................................. 11
- Computer Science / Cyber Security .................................................... 12
- Creative and Performing Arts ............................................................... 14
- English ................................................................................................. 17
- Family and Consumer Sciences ......................................................... 22
- Health .................................................................................................. 23
- Mathematics ........................................................................................ 24
- Physical Education .............................................................................. 27
- Science ................................................................................................ 29
- Social Studies ...................................................................................... 32
- STEAM² ............................................................................................. 34
- World Languages ................................................................................. 36
- Lakota / Butler Tech Programs ........................................................... 39

**OTHER INFORMATION**
- Butler Tech Career Programs .............................................................. 41
- Secondary Summer School Information ............................................ 47
- Course Listings ..................................................................................... 48
- How to Register Online ....................................................................... 50
Lakota High Schools offers a wide variety of courses designed to meet the needs of the entire student population. In addition to the courses offered at the high school sites, a large variety of programs are open to Lakota juniors and seniors through Butler Tech. The information contained in this booklet is meant to briefly explain each requirement and course option. Further explanations can be obtained by contacting the appropriate guidance counselor or administrator. Please do not hesitate to call for information or to make an appointment to come in and see us. Proper student placement and meeting the needs of each student are the primary goals of all the high school staff and we welcome the chance to be of assistance.

SPECIAL NOTE
Information included in this Program of Studies is accurate as of its publication date. Parents and students will be notified of specific changes to course offerings and requirements if changes are made. Subsequent updates to this Program of Studies book will be posted on www.Lakotaonline.com as well as the websites of the two high schools (www.lakotaeasthigh.com and www.lakotawesthigh.com).

GRADES AND CREDITS
All students must have 20 credits to be eligible to graduate. Please see page 8 for specific details.

CREDITS
Credits are based on Carnegie units of credit. In almost all cases, a course that lasts one full school year will receive one (1) unit of credit. Courses that last for a semester will receive one-half (.5) unit of credit.

The exceptions to this are:

**PHYSICAL EDUCATION**
The state of Ohio has mandated that one semester of Physical Education shall receive one-quarter (.25) unit of credit; therefore, two semesters of Physical Education will be required to meet the graduation requirement of .5 credit in Physical Education. Students that utilize the PE Waiver do NOT need to meet this requirement. (Additional information regarding the PE Waiver can be found on page 4.)

**COLLEGE CREDIT PLUS**
College Credit Plus courses taken on a college campus will receive 1 Carnegie unit for each 3 semester credit hour course.

**COOPERATIVE EDUCATION COURSES**
These courses are multiple period courses and students will receive credit corresponding to the amount of time spent in class or on the job.
GRADING
The following grading scale applies to all courses at Lakota.

<table>
<thead>
<tr>
<th>GRADE</th>
<th>RANGE</th>
<th>REGULAR VALUE</th>
<th>WEIGHTED VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>97-100%</td>
<td>4.33</td>
<td>5.33</td>
</tr>
<tr>
<td>A</td>
<td>93-96%</td>
<td>4.00</td>
<td>5.00</td>
</tr>
<tr>
<td>A-</td>
<td>90-92%</td>
<td>3.67</td>
<td>4.67</td>
</tr>
<tr>
<td>B+</td>
<td>87-89%</td>
<td>3.33</td>
<td>4.33</td>
</tr>
<tr>
<td>B</td>
<td>83-86%</td>
<td>3.00</td>
<td>4.00</td>
</tr>
<tr>
<td>B-</td>
<td>80-82%</td>
<td>2.67</td>
<td>3.67</td>
</tr>
<tr>
<td>C+</td>
<td>77-79%</td>
<td>2.33</td>
<td>3.33</td>
</tr>
<tr>
<td>C</td>
<td>73-76%</td>
<td>2.00</td>
<td>3.00</td>
</tr>
<tr>
<td>C-</td>
<td>70-72%</td>
<td>1.67</td>
<td>2.67</td>
</tr>
<tr>
<td>D+</td>
<td>67-69%</td>
<td>1.33</td>
<td>1.33*</td>
</tr>
<tr>
<td>D</td>
<td>63-66%</td>
<td>1.00</td>
<td>1.00*</td>
</tr>
<tr>
<td>D-</td>
<td>60-62%</td>
<td>.67</td>
<td>.67*</td>
</tr>
</tbody>
</table>

*- For AP and Honors courses, no weighted values are awarded for grades below a C-.

WEIGHTED GRADES
All Honors, Advanced Placement and certain College Credit Plus courses: Add 1.0 (C- or better) on the grade point average.

COMPUTATION OF GRADE POINT AVERAGE (GPA)
- Each percent grade is changed to the appropriate letter grade.
- Each letter grade is assigned a value (either regular or weighted).
- Each value is multiplied by the amount of credit the class is worth, resulting in a number of points.
- The total number of points is divided by the total number credits attempted, arriving at the grade point average.

AUDIT
No course may be taken on an audit basis. Each course may only be taken for credit.

VALEDICTORIAN / SALUTATORIAN
In order to be considered valedictorian or salutatorian of the graduating class, a student must have been enrolled full-time at his/her Lakota High School for the final four semesters of high school.
TYPES OF COURSES

REQUIRED COURSES
A required course is one that must be successfully completed in order to meet Lakota’s graduation requirements. For example, you must successfully complete Government in order to graduate. Graduation requirements are listed in this booklet on page 9.

RECOMMENDED COURSES
A recommended course is not necessarily one that has to be taken to meet a requirement. It is, however, a course that we have found in the past to be highly valued by colleges and employers.

ELECTIVE COURSES
Elective courses are those which are not specifically identified as graduation requirements. You will need to take some elective courses in order to have sufficient credits to graduate. All of our elective courses are designed to provide you with a marketable skill, make you a better informed human being, citizen and consumer, and help you expand your knowledge in areas that will become lifelong hobbies or avocations.

HONORS COURSES
Courses designated as honors courses are awarded weighted grades, meaning grades for these add value of 1.0 (for grades of C- and above) in this computation:

ADVANCED PLACEMENT COURSES (AP)
AP courses are College Board approved courses in twenty-one disciplines designed to prepare the student for taking college-level coursework and exams while still in high school. Taking AP courses can result in students earning college credit or placement once the student enrolls in a college or university. AP courses are accepted by most colleges and universities. It is important that the student be informed about the policies of their potential colleges. Courses designated as AP are awarded an additional value of 1.0 weighted credit (for grades C- and above).

COLLEGE CREDIT PLUS COURSES (CCP)
College Credit Plus courses are taught by either an adjunct professor on our campuses or taught and taken on a college campus. CCP courses will receive college and high school credit at the same time. CCP courses will receive transcripted credit recognized at all public colleges and universities in Ohio. CCP courses are also designated as Honors weighted grades for core courses or requirements.

PREREQUISITE COURSES
A prerequisite is a condition that must be met before a student may enroll in a certain course. The prerequisites are listed at the end of each course description. Please check these requirements carefully before making selections. Prerequisites reflect the desire of each department to insure the success of students in selected courses.

CO-REQUISITE COURSES
A course listed as a co-requisite must be taken prior to or at the same time as a certain course.

Student Options for Earning High School Credit

IMPORTANT NOTE: The National Collegiate Athletic Association (NCAA) has limitations on the types of courses it will accept for athletic eligibility. Please reference the NCAA Eligibility Center website for more information regarding specific course options.

TRADITIONAL CREDIT
Students take courses by participating in the regular scheduling process and attending courses at a Lakota high school during the regular student day. This option is for students who would prefer a traditional high school experience with a greater degree of teacher direction/facilitation. Students choosing Traditional Credit should use this High School Program of Study for course scheduling.
SUMMER SCHOOL
Lakota’s Summer School Program provides opportunities for students who want to use time in the summer to take a course for original credit in order to open a bell in their schedules during the regular school year or who want to use time in the summer to retake a course they previously failed. Students may take online courses or PE courses during the summer and are expected to report daily until the course is completed, even for online classes. Please see the Summer School page in this document or the Summer School website for more information about the program and applicable forms/processes for registration. Students will be charged a fee for each Summer School course.

LAKOTA CAREER READINESS ACADEMY
The Career Readiness Academy provides students with individualized and engaging learning experiences through a flexible and blended model of instruction in a supportive environment. The goal is that each student will graduate with the skills and preparation to take the next step toward a career or college opportunity. The Lakota Career Readiness Academy is open to students from both East and West. (Located on the campus of West Freshman).

PE WAIVER
Students may waive the required PE credit by participating in two seasons of interscholastic athletics, cheerleading, or marching band. However, the PE waiver does not provide 0.5 PE credits. Students must choose another required or elective course to meet graduation requirements. Students should check with their counselors to discuss their eligibility for the waiver and to outline their course schedules to ensure that they meet the graduation requirements. Please see the PE section in this document for more information.

CREDIT FLEXIBILITY
Credit Flexibility provides options for students with high school standing to earn graduation credits through alternative ways, outside of regularly scheduled classes. Under Credit Flex, students may earn graduation credit by taking an online course; proving mastery of course content; or developing an individual plan for an independent study, an internship/field experience, community service/service learning, or educational travel. Students are not limited in the number of courses or the number of credits earned through Credit Flex. However, approval of Credit Flexibility Plans and credits earned will be dependent upon the Lakota Local School District’s capacity to implement them. All Credit Flex options must be generated and planned by students according to the provisions, process, and timelines outlined in the Lakota Credit Flexibility Handbook and Application, available at the Credit Flexibility website. Fees are associated with each option.

Credit Flexibility is designed for students who want to earn credit through activities or work completed outside of the traditional schedule and classroom; who work well independently and are highly motivated to plan and complete their own learning without direct involvement of or instruction from a teacher; and who want to pursue academic and/or career interests beyond those offered at Lakota High Schools. Please note, students taking courses with state End-of-Course Assessments for graduation through Credit Flexibility are required by the Ohio Department of Education to take these assessments during a state-identified testing window.

COLLEGE CREDIT PLUS
Students who are prepared for the challenge of college-level work but prefer to stay on a high school campus may have the option to take specific courses at a Lakota high school for both high school and college credit. Students should understand that coursework will be reflected on both high school and college transcripts and in high school and college GPAs. Students should see their counselors for information regarding which courses are offered through College Credit Plus and to learn how to enroll. Students may also earn high school and college credit by taking a college class taught by college staff on a college campus or online. Students interested in this option must submit an “intent to participate form” by April 1 per ODE guidelines in order to participate.

FIELD EXPERIENCES / INTERNSHIPS
In partnership with local companies, Lakota is offering selected high school juniors and seniors the opportunity to participate in a variety of internship experiences. Students will gain hands-on experience and earn elective credit. GPA, attendance and career goals will be considered in the selection process, and applicants will be interviewed prior to final selection. Students must commit to participate in all rotations as well as to keep a log of their experiences and reflections in order to receive elective credit.
ACCEPANCE BY A COLLEGE/UNIVERSITY

During the past several years, colleges and universities, including many of those in the state of Ohio, have changed their entrance requirements. If you are accepted:

CONDITIONALLY into a college or university, you may have to complete entrance requirements at your own expense of time and money before you may begin to take courses leading to your degree. This can greatly increase the cost of college and the time required to obtain a degree.

UNCONDITIONALLY indicates you can immediately begin taking courses leading to your degree. Check with your counselor and your college frequently to see that you do not neglect a requirement for admission.

GRADE PLACEMENT

All students will need to have earned the indicated number of credits for placement into the appropriate grade level.

CLASSIFICATION

Freshman..................Successful completion of grade 8
Sophomore............... 4.5 credits
Junior......................10.0 credits
Senior.......................15.0 credits

Students must have a minimum of 15 credits to be classified as seniors. Two groups of students may wish to be considered as seniors without the requisite 15 credits. These students must meet with their counselors in the early fall to create a written plan to meet graduation requirements. Two classifications will exist:

JUNIORS PLANNING TO GRADUATE (JPG)

JPG students are in the junior year of high school but plan to complete all requirements to graduate at the end of their third year of high school. (Not recommended by most colleges.)

SENIORS/CREDIT DEFICIENT (SCD)

SCD students are in their fourth year of high school but have not yet earned 15 credits.

SCHEDULING PROCEDURES AND CHANGES

SCHEDULE CHANGES

Courses selected during the registration process shall be regarded as final selections unless changes are necessitated by:

- Inappropriate course level as dictated by the prerequisite course final grade
- Obvious program error such as omission of a required subject
- Failure of a subject last year or scheduled into advanced level without meeting prerequisite course requirements
- Adjustments that accommodate special education/ELL students
- Replacement of summer school course(s) successfully completed
- A drop will not be permitted if it results in more than one study hall (Excluding Seniors).’
- Seniors will not be able to drop the second semester of yearlong courses.
- A course dropped after the ten day period will result in a “W/F” for the course and will be computed into the cumulative GPA.

DROPPING A CLASS

This process will involve several steps. Teacher and student discussion of the situation and teacher-parental contact is mandated prior to withdrawal. During the first five days of the semester, the student may drop a class and enter another class without consequence. After the first five days of the semester, but prior to the eleventh day, the student may drop a class, but not enter another class – a Study Hall will be placed in that bell. After the tenth day of the semester, there will be a conversation with the parent(s) noting the course may be dropped with a WF (Withdraw FAIL) and the WF becomes a part of the final transcript and figures into the student’s GPA.

Note: All requests for schedule changes are contingent upon course availability, class size, course prerequisites and fulfillment of the criteria for request for schedule change.
REQUESTING A CHANGE OF LEVEL
This policy will involve several steps. A student may change the academic level (AP/Honors/CP) of a class after a minimal
ten day period during which:
1. All work is completed,
2. Attendance is at least 90%,
3. Extra help is sought from the teacher
All 3 steps are required before a change will be considered. Upon verification of all three criteria, a teacher, student, parent,
administrator conference will be held to discuss the final change in level. Administrator must provide final approval of all
level changes. Counselor, parent and administrator must be in agreement that a change is educationally beneficial for the
student. If a level change is approved from an AP/Honors course to a CP course, within a semester, the student will forfeit all
weighted grades and the lower level course will be the only course that appears on the transcript. Level changes will only be
considered within the first quarter, at the end of first semester or within third quarter. No level changes will be considered
during second and/or fourth quarters.

SENIOR FLEX SCHEDULE
To create additional available seats in courses at both high schools and to provide more flexibility within their day, students
classified as seniors will be required to attend class for only the number of periods necessary to complete graduation
requirements. For most, this will include a fourth year of English, a fourth year of Mathematics, as well as any other courses
needed in order to graduate.

To be eligible for this option, students must meet the following requirements:
● Must be classified a senior having completed a minimum of 15.0 credits.
● Must complete an Individual Graduation Plan which includes details that cover how the student will complete
requirements to graduate on time with his/her class. This document must include the student’s, parent’s and
counselor’s signatures for the application to be official.
● Must maintain good attendance and adequate progress toward completion of the requirements necessary to
graduate on time with his/her class.

Please note: Per OHSAA rules, students who are participating in interscholastic athletics must maintain five
“solids” on their schedule.

CRITERIA: DIPLOMA WITH HONORS
Students entering the ninth grade on or after July 1, 2017 (class of 2021) must meet the new criteria. Go to link below for
the most recent information from ODE.

http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas
Honors Criteria Grid
STUDENT ATHLETES

OHSAA GUIDELINES

Per OHSAA guidelines, students who are participating in and/or plan to participate in interscholastic athletics must be passing a minimum of five “solids” at all times. It is the student and parents’ responsibility to ensure these criteria are met to ensure eligibility requirements. We strongly encourage student athletes to enroll in more than five solids.

NCAA INITIAL ELIGIBILITY

If you plan to enroll in any Division I or Division II college or university, please read this information carefully.

For students entering any Division I or Division II college or university, your NCAA initial eligibility will be evaluated under the 16 core-courses as described in this section. Potential college athletes must meet the core course requirements below in order to be eligible for the NCAA. In addition, athletes must have an NCAA core course GPA of 2.3 or higher and score at the NCAA specified levels on either the ACT or SAT.

DIVISION I – 16 CORE COURSES

4 years of English
3 years of Math (Alg. I or higher)
2 years of Natural/Physical Science
1 year of additional English, Mathematics or Natural/Physical Science
2 years of Social Studies
4 years of additional coursework (from any area above, Foreign Language or non-doctrinal religion/philosophy)

DIVISION II – 16 CORE COURSES

3 years of English
2 years of Math (Alg. I or higher)
2 years of Natural/Physical Science (1 year of lab if offered by HS)
3 years of additional English, Mathematics or Natural/Physical Science
2 years of Social Science
4 years of additional coursework (from any area above, Foreign Language or non-doctrinal religion/philosophy)

The NCAA Eligibility Center has restrictions on which types of courses are accepted for eligibility. Be sure to check their website before scheduling.

NCAA approved courses are noted with an asterisk (*) on the course listing page at the back of this Program of Study booklet.

SPECIAL EDUCATION PROGRAMS

The following continuum of program options are available for any student with a disability. Specific options are determined by an IEP based on the individual needs of the student. The continuum of options, ranging from least restrictive to most restrictive, are as follows:

● Full-time regular class with supplementary aides and services.
● Full-time regular class with special services provided by an Intervention Specialist in the regular education classroom.
● Regular education classroom with part-time in special education classroom.
● Special education classroom with part-time regular education classroom.
● Full-time special class/learning center

WORK STUDY PROGRAM

The Work Study Program consists of on-site experiences for students enrolled in special programs. The work study coordinator is a liaison between students, the employer and the school. The coordinator meets with students regarding job behavior and related job skills. A student’s participation in the Work Study Program must be discussed, agreed upon and approved by the IEP team, which must include the Work Study Coordinator.

HOME INSTRUCTION

Home instruction is provided to students who are unable to attend school, providing this service is a team decision and determined based on specific criterion. Instruction usually occurs in the home of the student.
**GRADUATION REQUIREMENTS**

Lakota students need twenty (20) credits in order to earn a diploma. Specific requirements are as follows:

<table>
<thead>
<tr>
<th>SUBJECT AREA</th>
<th>LAKOTA REQUIREMENTS FOR GRADUATION</th>
<th>RECOMMENDED FOR COLLEGE ENTRANCE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 credits (English 9, 10, 11 and 1 credit of Senior English)</td>
<td>Colleges expect a full, rigorous course load for all 4 years of High School, with a concentration of coursework towards specific degree or major. Most colleges also recommend two or more years of World Language.</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 credits (which must include Algebra, Geometry, Algebra II and 1 additional credit)</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>3 credits (1 Biological, 1 Physical, 1 elective)</td>
<td></td>
</tr>
<tr>
<td>Social Studies</td>
<td>3 credits (which must include World Studies, American History, 1 semester Government, 1 semester Economics)</td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>0.5 Credit (1 semester)</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>0.5 Credit (2 semesters)</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1 Credit (art, music, acting)</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>4 credits</td>
<td></td>
</tr>
</tbody>
</table>

* Students should check with the colleges and universities they are considering for specific entrance requirements.

All students must earn at least 20 credits; specific requirements within those 20 credits are listed above. **A student must have completed all graduation requirements before participating in graduation ceremonies and/or receiving a diploma.**

Beginning with the class of 2018, students will be required to take the same courses listed above as well as earn points toward graduation on seven end-of-course exams. These exams will replace the Ohio Graduation Tests. The courses in which students will take and end-of-course exam will be: English 9 and 10, Algebra I, Geometry, Biology, American History, and American Government. Students can earn from 1-5 points for each exam, based on their performance. (currently under review by State Board of Education)

- 5 points....Advanced
- 4 points....Accelerated
- 3 points....Proficient
- 2 points....Basic
- 1 point......Limited

With few exceptions, students must accumulate a minimum of 18 points from scores on their State end-of-course exams to become eligible for a diploma. To ensure students are well rounded they must earn a minimum of four points in Math, four points in English and six points across Science and Social Studies.

For more details related to the graduation requirements in the state of Ohio, please reference the Ohio Department of Education graduation requirements page at [http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements](http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements)
AP score conversion to Graduation Points
Students in certain courses can take a substitute exam, such as an Advanced Placement (AP) exam, instead of the state’s end-of-course exam. The State Board approved AP exams that may substitute for the following courses:
- American History: AP United States History
- American Government: AP United States Government and Politics
- Biology: AP Biology

<table>
<thead>
<tr>
<th>Advanced Placement Score</th>
<th>Graduation Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 or 5</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

College Credit Plus Courses
The following conversion chart should be used to determine the number of graduation points a student will receive based on the grade he/she receives for the CCP course that substitutes for Biology, American History or American Government end of course exams.

<table>
<thead>
<tr>
<th>CCP Grade</th>
<th>Graduation Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A or B</td>
<td>5</td>
</tr>
<tr>
<td>C</td>
<td>4</td>
</tr>
<tr>
<td>D</td>
<td>3</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
</tbody>
</table>

Retaking Exams
A student who scores below proficient on any end-of-course State exam may retake the exam. The highest score the student gets on a test will count toward their graduation points.
### SAMPLE FOUR YEAR PLAN – #1

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>English</td>
<td>English</td>
<td>English</td>
</tr>
<tr>
<td>Math</td>
<td>Math</td>
<td>Math</td>
<td>Math</td>
</tr>
<tr>
<td>Science - Biology</td>
<td>Science – Physical</td>
<td>Science – Elective</td>
<td>Science – Elective</td>
</tr>
<tr>
<td>World Studies 9</td>
<td>US History</td>
<td>Government/Economics</td>
<td>Elective</td>
</tr>
<tr>
<td>Lifetime Fitness (1 sem)</td>
<td>Health (1 sem)**</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Elective (1 sem)</td>
<td>Phys. Educ. (1 sem)**</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Creative/Perf. Arts*</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

*May be taken at any grade level or year (9-12)
**May be taken at any grade level or year (10-12)

### SAMPLE FOUR YEAR PLAN – #2

<table>
<thead>
<tr>
<th>8th Grade – Credit</th>
<th>For HS Credit</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>English</td>
<td>English</td>
<td>English</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>Algebra 1***</td>
<td>Honors Geometry</td>
<td>Algebra II</td>
<td>Math</td>
<td>Math</td>
<td></td>
</tr>
<tr>
<td>Physical Science***</td>
<td>Honors Biology</td>
<td>Science</td>
<td>Science</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>World Studies***</td>
<td>Honors American History</td>
<td>AP US History</td>
<td>AP Human Geography</td>
<td>Government/Economics</td>
<td>Elective</td>
</tr>
<tr>
<td>Fitness &amp; Sport (1 sem)</td>
<td>Phys. Educ. (1 sem)**</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Health (1 sem)</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Digital Ideas and Discoveries (1 sem)</td>
<td>Creative/Perf. Arts*</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

*May be taken at any grade level or year (9-12)
**May be taken at any grade level or year (10-12)
***Not applicable to all students

### SAMPLE FOUR YEAR PLAN – #3

<table>
<thead>
<tr>
<th>8th Grade – Credit</th>
<th>For HS Credit</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>English</td>
<td>English</td>
<td>English</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>Algebra 1***</td>
<td>Math</td>
<td>Math</td>
<td>Math</td>
<td>Math</td>
<td></td>
</tr>
<tr>
<td>Physical Science***</td>
<td>Science</td>
<td>Science</td>
<td>Science</td>
<td>Science</td>
<td>Science</td>
</tr>
<tr>
<td>World Language</td>
<td>World Language</td>
<td>World Language</td>
<td>World Language</td>
<td>World Language</td>
<td></td>
</tr>
<tr>
<td>Fitness &amp; Sport (1 sem)</td>
<td>Phys. Educ. (1 sem)**</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Health (1 sem)</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Digital Ideas and Discoveries (1 sem)</td>
<td>Creative/Perf. Arts*</td>
<td>N/A – 6 Period Day</td>
<td>N/A – 6 Period Day</td>
<td>N/A – 6 Period Day</td>
<td></td>
</tr>
</tbody>
</table>

*May be taken at any grade level or year (9-12)
**May be taken at any grade level or year (10-12)
***Not applicable to all students
Business

Financial Literacy & Planning – 83453
1 semester / 0.5 credit / Fee Required
This course is about Personal Financial Success. Students learn personal money management; banking, filing tax returns, budgeting, credit, insurance, and investing in stocks.

Sports and Entertainment Marketing – 83973
1 semester / 0.5 credit / Fee Required
This course examines general marketing principles in the popular sports and entertainment industries from a management and marketing perspective. This is one of the most rapidly growing fields in today’s job market.
Advanced Placement Computer Science Principles – 8965
2 semesters / 1 credit / Fee Required
AP Computer Science Principles is an entry-level Computer Science course. No prior Computer Science experience is required or expected! The course has the advantage of being both an entry-level course, with a general introduction to the course content, and also an AP course. The course will explore how computers function, how they are programmed, and the impact that Computer Science has on our society. Students will leave the course with strengthened creative problem-solving skills. Anyone who is planning on majoring in Computer Science, any form of Engineering, Mathematics, other areas of Science or Business after high school will benefit from this course.

Advanced Placement Computer Science A – 8935
2 semesters / 1 credit / Fee Required
This course will develop your understanding of the techniques and data structures used by software engineers to create powerful and sophisticated programs. Special attention will be given towards preparation for the Computer Science (A) AP exam. Students who plan on pursuing post-secondary studies in computer science, mathematics, science or engineering will benefit from this course.
Prerequisite: AP Computer Science Principles

AP Computer Science may be used for a fourth year of Math, but does not meet NCAA Guidelines at this time.

Introduction to Programming – Z8961*
2 semesters / 1 credit
In this course, students will learn the basics of building simple interactive applications. Students will also 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.

Web Design – Z8951*
2 semesters / 1 credit
Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (VSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

Computer and Mobile Applications – Z8971*
2 semesters / 1 credit
Students will learn to create applications for mobile devices using a variety of commercial and open source software. 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.

Game Design - Z8981*
2 Semesters / 1 credit
This course will prepare students to design and program games using commercial and open source programs and applications. Students will learn 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.

*These are courses offered through Butler Tech on Lakota Campuses.
Cyber Security Academy

This program is for students interested in the rapidly developing and advancing field of Cyber Security. Cyber Security fits in a new category of jobs best described as "New Collar", a term used to describe jobs in some of the technology industry's fastest growing fields. While they do not always require a traditional degree, employers focus more on applicants having the right mix of skill sets that are in high demand for this work. Students entering the program are expected to complete the Cyber 1 and Cyber 2 courses and their corresponding certification exams. Completing these courses and certifications will make students highly desirable to employers upon graduation from high school and will provide students with a unique portfolio of skills to set them apart when applying for post-secondary institutions or career opportunities.

**Cyber 1 - 8901**
2 Semesters / 1 credit

This is the first course in the Lakota Cyber Academy. No prior knowledge of Cyber Security or computer science is necessary, just a basic understanding of computers and computer systems. However, students should come with a passion for technology, problem solving, critical thinking, and learning. Students will learn about Networks, Systems Security, Cryptography, Information Security, Risk Identification, and much more. Students are expected to complete online learning modules as independent work and will participate in simulations and authentic, cyber security applications during class. Students are also expected to complete, as part of this course, related cyber security certifications; Network+, Microsoft Security Fundamentals, and Systems Security Certified Practitioner.

**Cyber 2 -**
2 semesters / 1 credit

Coming 2020-21... This is the second course in the Cyber Security Academy. Students will continue the journey working toward the certifications necessary to be career-ready in the Cyber Security field. Students will continue to deepen understanding about the topics covered in Cyber 1 and expand to digital forensics and other related topics. Students will be expected to complete Cybersecurity Analyst+ and Comptia Security+ certifications.

**Prerequisite: Cyber 1**

**Cyber Sprint - 8903**
2 semesters / 1 credit

This course is a combination of Cyber 1 and Cyber 2. This will only be offered for the 2019-20 school year and is a senior-only course. The goal of this course is to provide seniors with the necessary certifications to be employable in the cyber security field upon graduation. This course includes the listed expectations from Cyber 1 and adds the certifications from Cyber 2, which include Cybersecurity Analyst+ and CompTIA Security+. Students will begin this work in the late spring in order to complete the breadth of learning expected. This course will work to place each student in an internship to provide the experiences necessary to be employable upon graduation or to enhance a student's portfolio for application to a post-secondary institution.
CREATIVE AND PERFORMING ARTS

Music
Many colleges and universities now require the successful completion of course work in the Fine Arts for unconditional admission. Many of the courses listed require an audition for admission to the course. Auditions may include, but are not limited to the following:

**Instrumental** - performance of selected scales, a prepared piece and sight-reading.

**Vocal** - determination of vocal range, ability to match pitches, singing a simple melody and sight-read brief passages within a choral composition.

All Instrumental and Vocal music students will initially sign up for "Band" and/or "Choir". After the audition process has taken place, students will be placed into the appropriate ensemble.

**Choir** - 7710
2 semesters / 1 credit / Fee Required
Repertoire studied will be selected from various time periods and styles and will include choral literature of varying levels of difficulty. Emphasis will be placed on correct vocal production, aural skills/sight-reading, music theory/ pedagogy and appropriate performance/rehearsal disciplines. Participation in all after school rehearsals and performances is required.
Prerequisite: Audition/Approval of instructor

**Band** - 7500
2 semesters / 1 credit / Fee Required
Band is open to all instrumentalists 9-12. The class will reinforce, further develop, and refine the fundamentals of music through playing an instrument in a large group setting while performing a variety of band literature at a level appropriate to the students’ abilities. Performances outside of school hours are a part of this course and attendance is mandatory and part of the course grade.
Prerequisite: Audition/Approval of instructor

**Jazz Band** - 7570
2 semesters / 1 credit / Fee Required
Jazz Band is open to all students in grades 9-12 provided their instrument fits the ensemble’s “big band” instrumentation. The class will reinforce, further develop, and refine the fundamentals of jazz through playing an instrument in a large group setting while performing a variety of literature at a level appropriate to the students’ abilities. Performances outside of school hours are part of this course and attendance is mandatory and a part of the course grade. Other than guitarists, bassists, and pianists, members must first be enrolled in a concert band.
Prerequisite: Audition/Approval of instructor

Acting
All acting courses offer students the opportunity to experience the theatrical arts. Students will participate in a variety of theatrical experiences, both on stage and backstage. Many colleges and universities now require the successful completion of course work in the Fine Arts for unconditional admission. Please check with your guidance counselor concerning this situation.

Students enrolled in any acting course may become involved in the theatre program which is an optional after school activity. However, students do not have to be enrolled in an acting class to audition for the theatre productions.

**Acting I** – 7800
**Acting II** – 7805
**Acting III** - 7807
2 semesters / 1 credit / Fee Required
This is a performance-based class, offered on the Main Campuses only. Components of study include movement and vocal techniques, character and script analysis, and the history of the theater. Students will be responsible for classroom presentations, script memorization and attendance at outside theatrical performances. Upon completing Acting I, students may elect to take Acting II and III.
Theater Arts - 78403
1 semester / .5 credit / Fee Required
Students will explore the design world of technical theatre in this class. They will examine techniques necessary to create specific aspects of a theatre production. Units will include set design with model building, tool definitions and uses with construction projects, various techniques for scenic art and prop construction. This course is taken as a Creative/Performing Arts credit.

Theater – See English section

Visual Arts
Visual Arts courses include semester and year-long classes that require a fee and include quarter assessments. Fine Art I is a prerequisite for all other art classes. For project examples go to http://www.Lakotaonline.com, click on East or West, go to Art Department and to the class.

Fine Art I - 73003
1 semester / 0.5 credit / Fee Required
Fine Art I provides students with an introduction to creative experiences in a variety of 2D and 3D media. Projects are evaluated on mastery of technique and application of elements and principles of design.
This course is a prerequisite for all other Fine Arts courses

Drawing and Painting I - 73213
1 semester / 0.5 credit / Fee Required
Basic drawing and painting skills are taught to focus on improving observation abilities as well as basic techniques. Drawing and Painting I is designed for the beginning art student as well as for individuals wishing to further develop existing drawing and painting skills.
Prerequisite: Fine Art I

Drawing and Painting II - 73223
1 semester / 0.5 credit / Fee Required
Students extend experiences and skills from Drawing and Painting I. Students explore various drawing and painting media. Students work to acquire knowledge and creative inspiration from art history as they explore themes for self-expression.
Prerequisite: Drawing and Painting I

Drawing and Painting III - 73233
1 semester / 0.5 credit / Fee Required
This studio course builds on the skills and techniques explored in Drawing and Painting II. A variety of both traditional and non-traditional drawing and painting techniques are explored. Drawing and Painting III projects are designed to help students create portfolio-ready artwork.
Prerequisite: Drawing and Painting II

Drawing and Painting IV - 73243
1 semester / 0.5 credit / Fee Required
This studio course builds on the skills and techniques explored in Drawing and Painting III. Emphasis is placed upon personal expression through drawing and painting. Drawing and Painting IV projects are designed to help students create portfolio-ready artwork in preparation for AP Studio Drawing.
Prerequisite: Drawing and Painting III

Still Photography I - 77443
1 semester / 0.5 credit / Fee Required
This course is designed to offer students a basic understanding of photography as an art form. Students explore composition and learn about the camera. Emphasis is placed upon interesting and unified photographic compositions. Priority given to juniors and seniors.
Prerequisite: Fine Art I

Still Photography II - 77553
1 semester / 0.5 credit / Fee Required
This course is designed to offer students with an extensive photography experience. Students learn about and use a variety of alternative processes. An emphasis is placed upon personal interpretations of given themes and assignments. Priority given to juniors and seniors.
Prerequisite: Still Photography I
Ceramics I - 73703
1 semester / 0.5 credit / Fee Required
Ceramics is a project oriented course in which students will develop skills in hand building and wheel throwing. Exploration of form and function in pottery and sculpture, surface decoration, art history and criticism will be included.
Prerequisite: Fine Art I

Ceramics II - 73603
1 semester / 0.5 credit / Fee Required
Ceramics II is a continuation of Ceramics I. Students will hone wheel throwing and hand building skills and learn new techniques in sculpture, form alteration, and surface decoration.
Prerequisite: Ceramics I

Ceramics III - 73803
1 semester / 0.5 credit / Fee Required
Ceramics III is a continuation of Ceramics II. Students will hone wheel throwing and hand building skills and learn new techniques in sculpture, form alteration, and surface decoration. Individual expression in clay will be emphasized.
Prerequisite: Ceramics II

Ceramics IV - 73753
1 semester / 0.5 credit / Fee Required
Ceramics IV is an in depth continuation of Ceramics III. Students will be working on advanced level techniques in the area of wheel throwing and handbuilding. Students will also be challenged with new experiences in sculpture, form alteration, and surface decoration. Emphasis is placed upon personal expression through ceramics. Ceramics IV projects are designed to help students create portfolio-ready artwork in preparation for AP 3D Studio.
Prerequisite: Ceramics III

Metals I - 73503
1 semester / 0.5 credit / Fee Required
Metals I offers a variety of experiences in the fabrication of jewelry and small metal sculpture. Students will learn to cut and solder.
Prerequisite: Fine Art I

Metals II - 73403
1 semester / 0.5 credit / Fee Required
Metals II builds on the techniques taught in Metals I to construct more intricate and complex pieces.
Prerequisite: Metals I

Metals III - 73553
1 semester / 0.5 credit / Fee Required
Metals III builds on the techniques learned in Metals II. Advanced techniques such as enameling, chain-making and/or stone setting are explored. Individual expression in metal will be emphasized.
Prerequisite: Metals II

Metals IV - 73563
1 semester / 0.5 credit / Fee Required
Metals IV builds on the techniques learned in Metals III. Advanced techniques such as jewelry/product fabrication, casting, surface alterations and/or stone setting are explored. Emphasis is placed upon personal expression through metalsmithing and jewelry making. Metals IV projects are designed to help students create portfolio-ready artwork in preparation for AP 3D Studio.
Prerequisite: Metals III

AP Studio Art: Drawing - 7421
2 semesters / 1 credit / Fee Required
AP Studio Art: Drawing is an extremely fast paced course for highly motivated, serious art students. An extensive portfolio will be developed emphasizing a variety of observational, inventive work that can be utilized for college admission requirements. Summer work is required.
Prerequisites: Fine Art I and Drawing/Painting I-IV

AP 3-D Studio - 7430
2 semesters / 1 credit / Fee Required
For this class, students are asked to demonstrate an understanding of 3-D design through any three-dimensional approach, including, but not limited to, figurative or non figurative sculpture, architectural models, metal work, ceramics, glass work, installation, performance, assemblage and 3-D fabric/fiber arts. This is an extremely fast paced course for highly motivated art students. An extensive portfolio will be developed throughout this course. Summer work is required.
Prerequisites: Fine Art I, and any four of the following classes: Ceramics 1-4 and Metals 1-4.
Several of the courses listed below have additional prerequisites. Please read the following course descriptions carefully before making your decision. Unconditional acceptance into colleges and universities is dependent upon the student successfully completing four years of high school English.

**Ninth Grade English**

Ninth grade English consists of instructional units integrating literature, composition, speech, and grammar. Students will also be expected to develop their vocabulary and study skills. There are two options available to students for meeting the ninth grade English requirements. Parents and students should consider the student’s past achievements in English and the student’s future plans before selecting the proper English course. In order to receive the maximum benefits from the high school program, it is important for students to enroll in courses that best meet their ability levels. It has been our experience that students who do not enroll in English courses that provide sufficient challenges suffer in the long run in future high school and college courses. **Students may be required to buy some paperback books.**

**Honors English 9 - 1300**

2 semesters / 1 credit / Fee Required

This is an advanced course including all four components of the English curriculum: grammar, speech, literature, and composition. This course receives a weighted grade. **Summer reading may be required.**

Prerequisite: Placement score based on advanced course rubric

**CP English 9 - 1310**

2 semesters / 1 credit / Fee Required

The emphasis of this college prep course is on all four components of the English curriculum: grammar, speech, literature, and composition.

**Tenth Grade English**

Tenth grade English consists of instructional units in literature, composition and presentation. There are two options open to tenth graders for meeting their tenth grade English requirement. Parents and students should consider the student’s past achievements in English, future plans and teacher recommendation before selecting the appropriate English course. In order to receive maximum benefits from the high school program, it is important for students to enroll in the course that best matches their ability level. It has been our experience that students who do not enroll in English courses that provide sufficient challenges suffer in the long run in future high school and college courses. **Students will be required to buy some paperback books.**

**Honors English 10 - 1400**

2 semesters / 1 credit / Fee Required

This course, which stresses an intensive level of composition and literature, is designed for motivated, self-directed students seeking a challenging class which emphasizes critical analysis, synthesis, and application of knowledge. This course receives a weighted grade. **Summer reading may be required.**

Prerequisite: Teacher recommendation and a C or higher in previous Honors English class, or teacher recommendation for CP English students.

**CP English 10 - 1410**

2 semesters / 1 credit / Fee Required

This is a college prep course concentrating on all components of the English curriculum: literature, composition and presentation.

Prerequisite: English 9
Eleventh Grade English

Eleventh grade English covers literature, composition, grammar, speech and vocabulary but the emphasis of this class is the in-depth study of American literature. There are three options open to eleventh graders for meeting their eleventh grade English requirement. Parents and students should consider the student’s past achievements in English and future plans before selecting the appropriate English course. Tenth grade English teachers can provide valuable assistance in helping select an eleventh grade course. In order to receive maximum benefits from the high school program, it is important for students to enroll in the course that best matches their ability level. It has been our experience that students who do not enroll in English courses that provide sufficient challenges suffer in the long run in future high school and college courses.

Students may be required to buy some paperback books.

Honors English 11 - 1500
2 semesters / 1 credit / Fee Required
This course is designed for students seeking a challenging fast paced study of American literature which emphasizes composition, critical analysis, synthesis, and application of knowledge. This course receives a weighted grade. Summer reading may be required.
Prerequisite: Teacher recommendation and a C or higher in previous Honors English class, or teacher recommendation for CP English students.

Survey of American Literature (CP English 11)–1510 2 semesters / 1 credit / Fee Required
Designed for the college prep student, this course includes grammar, speech, composition, vocabulary development and American Literature from the 17th Century to the Present with a heavy emphasis on the historical context of the literature.
Prerequisite: English 10

American Novel (CP English 11) -1530
2 semesters / 1 credit / Fee Required
American Novel is a class driven by an in depth focus on several classic American novels and plays. In addition to reading larger works, students will continue the study of composition with a specific focus on literary analysis and research. Other staples of an English class, like vocabulary, will also be covered. Students in this course should be prepared for a relatively heavy reading load that covers many challenging texts.
Prerequisite: Successful performance in Honors 10 or CP10

Twelfth Grade English

Twelfth grade English covers literature, composition and presentation. There are four options open to twelfth graders for meeting their twelfth grade English requirement. Parents and students should consider the student’s past achievements in English, future plans, and teacher recommendation before selecting the appropriate English course. In order to receive maximum benefits from the high school program, it is important for students to enroll in the course that best matches their ability level. It has been our experience that students who do not enroll in English courses that provide sufficient challenges suffer in the long run in college courses.

Students will be required to buy some paperback books and/or pay a fee.

Advanced Courses

Advanced Composition - 1610
2 semesters / 1 credit
This course is recommended for the college bound senior with strong grammar, vocabulary and sentence structure skills. Emphasis is on expository prose, personal and argumentative essays, logic, research and literary analysis. There is also a strong reading component to this course. This course is modeled on a first-year composition course at a four year university.
Prerequisite: Successful completion of Honors English 11 or an A or B in CP English 11.

Honors Advanced Composition – 1695C
2 semesters / 1 credit
College Credit Plus Course
This is an Honors-level/University-level writing course that follows the Cincinnati State syllabus and earns the student college credit upon successful completion of the year-long (2 semester) course. This course situates writing as a thinking tool. Thus, the course is about learning to combine two particular skills-critical reading and critical thinking. It is recommended for advanced writing students who will attend a four-year college or university immediately after high school graduation.

This course provides an introduction to college writing focusing on understanding the writing process. Topics include: Rhetorical Analysis (identifying audience, purpose, topic); Strong Response (reading current and literary non-fiction and responding in essay format); and College Composition (developing a strong thesis, providing sufficient evidence for claims, and writing essays with grammatical, mechanical, and stylistic correctness).

The workload is demanding: students will read and respond to both short and longer texts in a variety of media (100+ pages per semester), and write a minimum of 5000 words each semester, including at least 3 extended essays of 1000 words each, and a comprehensive research paper 2nd semester.
Prerequisite: Teacher recommendation and student writing sample
**British Literature - 1630**
2 semesters / 1 credit
This course is recommended for the college bound senior with strong reading and vocabulary skills. This literature and writing course is open to seniors who wish to develop skills in literary analysis, increase vocabulary, and improve writing. The focus of the course is the literature and history of Great Britain from the 5th to the 20th centuries. There is also a strong writing component to this class. This course is critical to all students interested in attending a four year university.
Prerequisite: Successful completion of Honors English 11 or a C or above in CP English 11.

**CP Courses**

**World Literature and Composition - CP12 - 1690**
2 semesters / 1 credit
This course includes basic college/career readiness writing skills, emphasizing the structure, style, and mechanics of essay writing. The literary component exposes students to world literature from a variety of cultures and provides both written and oral opportunities for students to respond personally, critically, and creatively to that literature.
Prerequisite: Successful completion of English 11 or Counselor approval for concurrent enrollment.

**English Electives**
The following classes cannot be substituted for the required English courses noted above. These courses are available for elective credit; they provide enrichment in oral and written communication.

**Creative Publications - 16413**
1 semester / .5 credit / Fee Required
This intensive writing workshop is designed for students interested in expanding the style of their writing. Students will learn the basic components of the following styles of writing: descriptive, personal, narrative, short story, poetry, and drama. Students will be expected to write daily and keep an extensive portfolio of their work which may be published.

**Creative Writing - 16403**
1 semester / .5 credit / Fee Required
This course is a rigorous writing workshop designed for students interested in expanding the scope of their fiction writing. Students will explore both print and electronic media sources to develop innovative methods for improving their writing with focus on creativity, style, voice, and expression. Students will be expected to write daily, maintain online drafts, and keep an electronic portfolio of their work. Students will engage in contemporary forms of electronic media to publish their works.

**Journalism I - 1700**
2 semesters / 1 credit / Fee Required
Students practice in issue-oriented reporting, feature, sports, and opinion writing as well as advertising design, photography, video work, research, interviewing, and other news-gathering strategies. Skills will be applied via the school news publication, website and video coverage.
Prerequisite: Applications may be picked up from the journalism advisor or may be downloaded from the school website.

**Journalism II - 1705**
2 semesters / 1 credit / Fee Required
Students refine news, feature and opinion writing while gaining experience with topics ranging from public relations and photography to online work and sports information. They experiment with production strategies and magazine and newspaper design via the school news publication, online publication and video work.
Prerequisite: Journalism I and teacher recommendation

**Honors Journalism - 1715**
2 semesters / 1 credit / Fee Required
Students research/write/edit/design stories for the school news magazine and online news organization. Students manage the entire publication program, business, design, art direction, marketing, sales, printing and advertising. Staff members work for local press outlets. After school hours required.
Prerequisite: Journalism II and teacher recommendation
**Reading Workshop - 1360**
2 semesters / 1 credit / Fee Required
This course emphasizes basic reading skills including comprehension and vocabulary. It is designed primarily for the student with diagnosed reading needs who is not presently receiving additional reading instruction. Students will be assigned to this course according to the district reading selection process.

Placement made by administrative review of student data.

**Speech - 18503**
1 semester / .5 credit / Fee Required
This dynamic, interactive course focuses on the development of public speaking skills, primarily through the writing and presentation of speeches. Students present a number of major speeches throughout the semester, including traditional types, such as informative, demonstrative, and persuasive. The course also covers impromptu speaking, research, special occasion speeches, oral interpretation of literature, interview and debate skills, technology, and peer review. Effective oral communication enhances one’s future success in high school, college, careers, and all areas of life.

**Theater - 78103**
1 semester / .5 credit / Fee Required
This course is only offered at the Freshman Campuses. Students will study pantomime, storytelling, directed poetry reading, improvisation, monologues, and duet scenes. Students will be responsible for classroom presentations, performance critiques, costume/prop selection, and script memorization.

**AP Courses**

**AP English Language and Composition – 1615**
2 semesters / 1 credit
The AP English Language and Composition course requires students to become skilled readers of prose written in a variety of rhetorical contexts and skilled writers who compose for a variety of purposes. This course will incorporate texts from American literature. Students will not be required to take the AP exam but it is strongly encouraged. This course receives a weighted grade.

Summer work may be required.
Prerequisite: Teacher recommendation and a B in Honors 10 English or CP English 11, or teacher recommendation and a C or higher for Honors 11 English students.

**AP English Literature & Composition – 1600**
2 semesters / 1 credit
The AP Literature & Composition course is an in-depth study of literature and composition for seniors who may want to earn college credit. The literature studied will represent varying genres, time periods, and cultures. Students will not be required to take the AP exam, but it is strongly encouraged. This course receives a weighted grade.

Summer work is required.
Prerequisite: Teacher recommendation and a B or higher in Honors English 11; teacher recommendation and entrance test for CP English 11 students; teacher recommendation and/or successful completion of AP Language and Composition
ENGLISH AS A SECOND LANGUAGE PROGRAM

ESL Courses
English as a Second Language (ESL) classes are available for students who are identified as having a home or native language other than English and who qualify for additional services to support their language acquisition. Eligibility for the ESL program is determined at the time of enrollment through a language assessment or by the student’s Ohio English Language Proficiency Assessment (OELPA), or other comparable state assessment. All students in the ESL program take both a grade-level English course, as previously outlined, and an ESL class. Students can receive elective credit for successful completion of ESL courses. Course placement is determined by multiple factors – including OELPA scores, the initial assessment at the time of enrollment, and the student's previous ESL courses.

**ESL Fundamentals of Language Arts - 1245**
2 semesters / 1 credit
This course is designed to address the language and literacy needs of Newcomer (pre-functional) and beginning level (OELPA 1), English learners. The objectives include improving English language competence and proficiency in the areas of listening, speaking, writing, and reading with emphasis on phonemic awareness, phonics, vocabulary, fluency, and comprehension. Students will also learn cultural aspects of American life. This course is taken in addition to the grade-level English course. Students will receive supplementary instruction to support language acquisition and comprehension of core content. Teachers will follow Ohio’s English Language Proficiency Standards to focus instructional support.

**ESL Emerging - 1340**
2 semesters / 1 credit
This course is for students who have successfully completed the Fundamentals course OR who have scored a 1 on the most recent OELPA. This course is taken in addition to the grade-level English course. Students will receive supplementary instruction to support language acquisition and comprehension of core content. Teachers will follow Ohio’s English Language Proficiency Standards to focus instructional support.

**ESL Progressing - 1440**
2 semesters / 1 credit
This course is for students who have successfully completed ESL Emerging (or a comparable course) OR who have scored a 2 on the most recent OELPA. This course is taken in addition to the grade-level English course. Students will receive supplementary instruction to support language acquisition and comprehension of core content. Teachers will follow Ohio’s English Language Proficiency Standards to focus instructional support.

**ESL Trial Mainstream - 1540**
2 semesters / 1 credit
This course is for students who have successfully completed ESL Progressing (or a comparable course) OR who qualify for Trial Mainstream status based on the most recent OELPA score. This course is taken in addition to the grade-level English course. Students will receive supplementary instruction to support language acquisition and comprehension of core content. Teachers will follow Ohio’s English Language Proficiency Standards to focus instructional support.
FAMILY AND CONSUMER SCIENCE (Butler Tech)

All students can benefit from Family and Consumer Sciences courses. These Butler Tech classes, offered at Lakota, are designed to meet the needs of all different types of learners. Students will learn skills for managing individual and family needs, problem solving, setting goals, and being a leader. Students will experience a variety of teaching techniques: small group activities, presentations, hands-on projects, classroom discussions, labs, field trips, and community involvement. In each course all students are required to complete a final semester culminating course project and group community service project. Through integrated classroom activities students will be given the opportunity to participate in Family, Career, and Community Leaders of America (FCCLA), a youth leadership organization.

**Career and College Readiness**
Z7510 East / Z7610 West
Grades 9-12
Fee: $25.00 for CTSO
Students in this course explore career and education opportunities that reflect interests, personalities and abilities. Students develop and practice leadership, team building and communication skills. They learn workplace appropriate etiquette and business skills. Additional topics include entrepreneurship, personal financial wellness, and consumer protection issues.

**Contemporary Cuisine**
Z7505
Grades 10-12
Fee: $25.00 for CTSO
Students will learn cooking principles and methods, nutrition management strategies with an emphasis on culinary trends, flavor combinations and plate presentations. Students also examine food science in preparation, cooking and presentation of foods. Safe food handling and equipment usage are also covered.

**Culinary Fundamentals**
Z7506 East / Z7606 West
Grades 9-12
Students will prepare foods through different cooking methods that preserve nutrients. They will learn how to select and properly use tools in the kitchen. Students will apply proper measuring and recipe preparation techniques. They will also develop knowledge of food and nutrition that will guide them to make healthy choices.

**Human Growth & Development**
Z7502 East / Z7602 West
Grades 10-12
In this course, students will examine an overview of human growth and development during all stages of life. Physical, cognitive, social and emotional developmental milestones will be emphasized. Additional topics covered are human characteristics, genetic defects, parenting styles and responsibilities and cultural differences within a family unit and community. Students will have the opportunity to be involved in Family, Career and Community Leaders of America (FCCLA) state and national organization.

**Personal Wellness**
Z7500 East / Z7800 West
Grade 9
Are you looking for a way to learn how to juggle your relationships, activities and school? In this class you learn how to have a healthy lifestyle and guide healthy food choices. You will learn to manage stress, practice communication skills, nurture healthy relationships and create your own healthy lifestyle plan. Students will have the opportunity to be involved in Family, Career and Community Leaders of America (FCCLA) state and national organization.
The state mandated requirements for graduation are met with each course. Every student is required to successfully complete one (1) semester of health before graduation from high school*.

* Beginning with the Class of 2017, successful completion of Personal Health for high school credit in grade eight will meet graduation requirements noted above.

The Health Department offers two different elective courses for the 9-12 grade students in the Lakota School District. The state mandated health requirements for graduation includes units on alcohol/tobacco and chemical substance abuse, STDs/HIV/AIDS, skin cancer, violence, nutrition, opioid abuse and physical fitness and are met within each course offering.

Students may elect to take a second (or more) health course to fulfill elective requirements. In all Health courses, homework is given on a regular basis. Various speakers are invited to speak to classes to enhance course content and objectives. In addition, there will be quizzes, unit tests and a final assessment. Health courses count as a solid subject for Ohio High School Athletic Association requirement.

**Human Sexuality - 53103**

1 semester / .5 credit / Fee Required

This abstinence-based course is designed to address current issues faced by teens in today's society. Important areas of emphasis include; development changes from conception through adulthood, communication skills, dating relationships, violence & abuse, STDs/HIV/AIDS, the role of heredity & environment on behavior and decision-making skills & decision-making skills that enhance self-respect and respect for others.

**Personal Health - 53303**

1 semester / .5 credit / Fee Required

This course is designed to introduce students to a wide variety of health topics. This course will foster the understanding that all individuals should choose healthy lifestyles thus promoting and enhancing all areas of wellness.
**College Prep Level Courses**

**Freshman Math - 2407**  
2 semesters / 1 credit / Fee Required  
Freshman Math is a companion course for those students enrolled in Algebra. Students will engage in activities designed to reinforce skills taught in Algebra I as well as other topics. This course will not count for NCAA athletic eligibility or as math credit. May be used as an elective credit.  
Placement made with administrative review of student data

**Sophomore Math - 2408**  
2 semesters / 1 credit / Fee Required  
Sophomore Math is a companion course for those students enrolled in Geometry. Students will engage in activities designed to reinforce skills taught in Geometry as well as other topics. This course will not count for NCAA athletic eligibility or as math credit. May be used as an elective.  
Placement made with administrative review of student data

**Junior Math - 2409**  
2 semesters / 1 credit / Fee Required  
Junior Math is a companion course for those students enrolled in Algebra II. Students will engage in activities designed to reinforce skills taught in Algebra II as well as other topics. This course will not count for NCAA athletic eligibility or as math credit. May be used as an elective.  
Placement made with administrative review of student data  
May count as 4th math credit

**CP Algebra I - 2400**  
2 semesters / 1 credit / Fee Required  
This academic course introduces the student to the fundamental concepts of Algebra. It is the foundation course for future college prep math courses.  
Graphing calculator required (TI-83, 83+, or 84)
**CP Geometry - 2510**  
2 semesters / 1 credit / Fee Required  
This course is a study to construct a formal system in Euclidean geometry. Areas of emphasis include applying theorems, formulas and Algebra skills to solve problems.  
**Prerequisite:** Successful completion of College Prep Algebra I  
Graphing calculator required (TI-84)

**CP Algebra II - 2440**  
2 semesters / 1 credit / Fee Required  
This course includes an in-depth study of the algebraic skills necessary for upper level mathematics and science courses.  
**Prerequisite:** Successful completion of College Prep Geometry  
Graphing calculator required (TI-83, 83+ or 84)

**CP Pre-Calculus - 2615**  
2 semesters / 1 credit / Fee Required  
This course is designed to prepare students for college level courses in calculus and statistics. Topics of study will include; analysis of quadratics, exponential and logarithmic functions, trigonometry, complex numbers, vectors, and statistics. Modeling of real world phenomena is emphasized throughout. Pre-Calculus is a necessity for students to pursue advanced studies in mathematics, science, or business at the college level.  
**Prerequisite:** Successful completion of Algebra II  
Graphing calculator required (TI-83, 83+ or 84)

**CP Calculus - 2620**  
2 semesters / 1 credit / Fee Required  
This course introduces differential and integral Calculus and their various applications. A brief review of trigonometry and polynomial functions is included. This course prepares students to take calculus or other math at the collegiate level.  
**Prerequisite:** CP Pre-Calculus w/Trigonometry and teacher recommendation

**Trig and Applied Algebra - 2625**  
2 semesters / 1 credit / Fee Required  
This course is designed to prepare students to enter a college algebra or statistics course and provides students the opportunity to strengthen and expand their knowledge in functions, algebra, geometry, data analysis and probability. Topics of study will include; trigonometry, systems of equations, linear and quadratic functions, statistics, and the conceptual underpinnings of calculus. Real-world application is empathized throughout.  
**Prerequisite:** Successful completion of Algebra II

---

**Honors Level Courses**

**Honors Geometry - 2500**  
2 semesters / 1 credit / Fee Required  
This course is a study to construct a formal system in Euclidean geometry and moves at an accelerated pace. This course is only offered at the Freshman Campus.  
**Prerequisite:** Successful completion of CP Algebra I in the eighth grade and teacher recommendation

**Honors Algebra II - 2430**  
2 semesters / 1 credit / Fee Required  
In addition to the concepts covered in College Prep Algebra II, this course will also explore probability, trigonometric and circular functions, laws of sine and cosine, trigonometric identities and statistics. A very strong Algebra I background is vital for success.  
**Prerequisite:** Successful completion of Honors Geometry and teacher recommendation

**Honors Pre-Calculus with Trigonometry - 2600**  
**High School Credit: 2600C High School and CCP Credit**  
2 semesters / 1 credit / Fee Required  
College Credit Plus Course  
This course covers all aspects of trigonometry as well as vectors and polar systems. Other topics include conics, polynomial, exponential, logarithmic, rational functions, probability, sequences and series topics from differential calculus.  
**Prerequisite:** Successful completion of Honors Algebra II and teacher recommendation
**AP Courses**

**Advanced Placement Calculus (BC) - 2630**
2 semesters / 1 credit / Fee Required
This course is designed to make it possible to earn two semesters of college credit with a qualifying score on the AP test. All students enrolled in Advanced Placement level courses will have required summer work.
Graphing calculator required (TI-83, 83+ or 84)
Prerequisite: Honors Pre-Calculus with Trigonometry and teacher approval

**Advanced Placement Calculus (AB) - 2640**
2 semesters / 1 credit / Fee Required
This course is designed to make it possible to earn one semester of college credit with a qualifying score on the AP test. This course is a rigorous study of Calculus that covers fewer topics than Advanced Placement Calculus BC. All students enrolled in Advanced Placement level courses will have required summer work.
Graphing calculator required (TI-83, 83+ or 84)
Prerequisite: Honors Pre-Calculus with Trigonometry and teacher approval

**Advanced Placement Statistics - 2800**
2 semesters / 1 credit / Fee Required
This course is designed for students who may want to earn one semester of introductory, non-calculus based college credit by taking the AP test.
Graphing calculator required (TI-83, 83+ or 84)
Prerequisite: Completed CP Algebra II and currently enrolled in CP Pre-Calculus or higher
PHYSICAL EDUCATION

In the State of Ohio, two semesters of Physical Education are required for high school graduation. In Lakota, two (2) Physical Education classes are required to achieve the Lakota Local School District Physical Education graduation requirement. These courses must include Fitness and Sports* and one (1) additional approved elective. Students planning on attending Butler Tech during their junior and senior years should complete their two (2) Physical Education requirements during their freshman and sophomore years.

*Beginning with the Class of 2017, successful completion of Fitness and Sport for high school credit in grade eight will meet one of the two required physical education credits.

Please see page 5 for information regarding PE Waiver criteria.

Athletic Eligibility Note: Physical Education classes are NOT considered "solids" for the Ohio High School Athletic Association eligibility. Students should check their schedule requests to assure they have five solid subjects without counting Physical Education or study halls. Level I and II courses may be taken consecutively (two semesters total) to earn a total of 0.5 credit for the year.

Fitness and Sports - 54083
1 semester / .25 credit / Fee Required
The purpose of this course is to introduce students to skill related fitness through sport and health related fitness through physical activity. Students will be introduced to a variety of sports that they may take part in for life. Students will practice skills, participate in lead up games, and play each sport. In addition, each student will learn the basic terminology, rules, and safety of each sport. Students will also be introduced to muscular strength and endurance activities to improve his/her personal fitness. Students may utilize free weights/dumbbells, machines, strength bands, medicine balls and body weight exercises for the development of overall muscular strength and endurance using correct techniques and providing a safe environment. Cardiovascular and flexibility fitness activities will be taught which may include jogging, aerobics, circuit training, fitness stations, and cardiovascular media in your target heart rate zone.

This course will be offered for grades 9-12 and during the 8th grade year for High School credit. **This course is required for graduation.**

Aerobics I - 54103
1 semester / .25 credit / Fee Required
This course focuses on cardio-respiratory and muscular endurance activities in which the participant is training in his/her target heart rate zone for at least 30 minutes daily. The primary focus of the class is aerobics, set to music, which may include step aerobics, circuit training, and/or kickboxing, cardio-dance aerobics and aerobic circuit training. Other activities may include but are not limited to walking/jogging, skating, etc. This is a strenuous class. This course **does** fulfill the second part of the Physical Education graduation requirement.

Aerobics II - 54153
1 semester / .25 credit / Fee Required
This course is a follow-up to Aerobics I. The class focuses on cardio-respiratory and muscular endurance activities in which the participant is training in the mid to upper limits of his/her target heart rate zone for at least 30 minutes daily. The primary focus of the class is aerobics set to music, which may include step aerobics, cardo kickboxing, cardio-dance aerobics and aerobic circuit training. Other activities may include but are not limited to walking/jogging, skating, etc. This is a strenuous class. This course **does** fulfill the second part of the Physical Education graduation requirement.

Prerequisite: Aerobics I

Walking, Jogging and Fitness I - 54053
1 semester / .25 credit / Fee Required
This course focuses on cardio-respiratory and muscular endurance activities in which the participant is training in his/her target heart rate zone for at least 30 minutes daily. The primary focus of the class is walking and/or jogging. This course **does** fulfill the second part of the Physical Education graduation requirement.
Walking, Jogging and Fitness II - 54073
1 semester / .25 credit / Fee Required
This course is a follow-up to Walking & Jogging for Fitness I. The class focuses on cardio-respiratory and muscular endurance activities in which the participant is training in the mid to upper limits of his/her target heart rate zone for at least 30 minutes daily. The primary focus of the class is walking and/or jogging. This course does fulfill the second part of the Physical Education graduation requirement.
Prerequisite: Walking, Jogging and Fitness I

Weight Training for General Fitness I - 54603
1 semester / .25 credit / Fee Required
This course focuses on the student who wants to improve his/her personal fitness level. Students will utilize free weights, machines, strength bands and body weight resistance exercises for the development of muscular strength and endurance. Acceleration training can be a major component of this class. This course does fulfill the second part of the Physical Education graduation requirement.

Weight Training for General Fitness II - 54653
1 semester / .25 credit / Fee Required
This course is a follow-up to Weight Training for General Fitness I with increased intensity levels in which the participant is expected to increase the reps/sets and/or weight/resistance. This course focuses on the student who wants to improve his/her fitness level. Students will utilize free weights, machines, strength bands and body weight resistance exercises for the development of muscular strength and endurance. Acceleration training can be a major component of this class. This course does fulfill the second part of the Physical Education graduation requirement.
Prerequisite: Weight Training for General Fitness I

Team / Individual Sports - 54503
1 semester / .25 credit / Fee Required
This course is designed to introduce students to a wide variety of sports that they may take part in for life. Students will practice skills, participate in lead up games and play sports. The sports may include, but are not limited to; Archery, Badminton, Basketball, Bowling, Corn Hole, Floor Hockey, Golf, Lacrosse, Paddle Tennis, Speedball, Soccer, Softball, Table Tennis, Team Handball, Tennis, Ultimate Frisbee/Football and Volleyball. As well, each student will learn the basic terminology, rules, safety and history about each sport. This course does qualify as fulfilling the second part of the Physical Education graduation requirement.

Recreational Physical Education I - 54303
1 semester / .25 credit / Fee Required
This course places an emphasis on the recreational value of sports. The sports played may include, but are not limited to; Archery, Badminton, Basketball, Bowling, Corn Hole, Floor Hockey, Golf, Lacrosse, Paddle Tennis, Speedball, Soccer, Softball, Table Tennis, Team Handball, Tennis, Ultimate Frisbee/Football and Volleyball. This course DOES NOT fulfill the second part of the Physical Education graduation requirement.
Prerequisite: Fulfillment of all Physical Education Requirements.

Recreational Physical Education II - 54353
1 semester / .25 credit / Fee Required
This course is a follow up to Recreational Physical Education I with an added emphasis on the recreational value of sports. The sports played may include, but are not limited to; Archery, Badminton, Basketball, Bowling, Corn Hole, Floor Hockey, Golf, Lacrosse, Paddle Tennis, Speedball, Soccer, Softball, Table Tennis, Team Handball, Tennis, Ultimate Frisbee/Football and Volleyball. This course DOES NOT fulfill the second part of the Physical Education graduation requirement.
Prerequisite: Recreational Physical Education I
There are testing and curriculum requirements connected with the Ohio high school diploma. Students must meet both requirements to earn an Ohio diploma. Three Science courses are required for graduation. One biology, one physical science and one elective science course is required. Please refer to the course of study booklet for course descriptions and pre- and co-requisites. The math courses listed are suggested companion courses for success in the science course.

### HS Science Sequence:

<table>
<thead>
<tr>
<th>Eighth Grade</th>
<th>Eighth Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Science</td>
<td>Physical Science (Algebra I)</td>
</tr>
<tr>
<td>CP Physical Science</td>
<td>GRADE 9 Honors Biology</td>
</tr>
<tr>
<td>CP Biology</td>
<td>GRADE 10 Honors Chemistry</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Eighth Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry I Environmental Biology II CP Physics Chemistry II</td>
</tr>
<tr>
<td>Honors Anatomy Honors Physics Honors Zoology</td>
</tr>
<tr>
<td>AP Biology AP Chemistry AP Physics</td>
</tr>
<tr>
<td>AP Environmental</td>
</tr>
</tbody>
</table>

### BIOLOGICAL SCIENCES

### CP COURSES

**CP Biology** - 3303  
2 semesters / 1 credit / Fee Required  
This college prep course examines living organisms and their relationships to the environment. Critical thinking and scientific reasoning are stressed.  
**Prerequisite:** Successful completion of Physical Science

**Biology II** - 3320  
2 semesters / 1 credit / Fee Required  
This is a second year of Biology that covers studies in botany, microbiology, zoology and human anatomy. Laboratory experience includes required dissections.  
**Prerequisite:** CP Biology
HONORS COURSES

Honors Biology - 3325
2 semesters / 1 credit / Fee Required
This in-depth college prep course emphasizes life science concepts at the biochemical and microscopic levels. Students are expected to apply these concepts through synthesis, analysis, and critical thinking activities.
Prerequisite: Successful completion of Physical Science with a B average or better

Honors Anatomy and Physiology - 3500 High School Credit 3500C High School and CCP Credit
2 semesters / 1 credit / Fee Required
This course includes the study of structure and function of the 11 human body systems. The cat is the major dissection specimen.
Prerequisite: CP Biology or Honors Biology
Co-Requisite: Chemistry I or Honors Chemistry

Honors Zoology - 3510
2 semesters / 1 credit / Fee Required
This course covers the animal kingdom with a study of invertebrates and vertebrates. Lab work includes required detailed dissections.
Prerequisite: CP Biology or Honors Biology
Co-Requisite: Chemistry I or Honors Chemistry

AP COURSES

Advanced Placement Biology - 3330
2 semesters / 1 credit / Fee Required
This course covers the 4 big ideas in biological science as determined by the AP College Board.
Co-Requisite: Chemistry I or Honors Chemistry
Prerequisite: CP Biology or Honors Biology.

PHYSICAL SCIENCES

CP COURSES

CP Physical Science - 3400
2 semesters / 1 credit / Fee Required
This college prep course is an introduction to Physical Science concepts and is intended to prepare students for success in science electives. All OGT Physical Science Benchmarks and Indicators are addressed.
Prerequisite: Successful completion of 8th grade science

Chemistry I - 3430
2 semesters / 1 credit / Fee Required
This college prep course includes a study of inorganic chemistry and nuclear chemistry with extensive use of algebraic mathematical skills. Lab skills are developed and stressed.
Co-Requisite: CP Algebra II

Chemistry II - 3440
2 semesters / 1 credit / Fee Required
This course continues the study of Chemistry I topics such as stoichiometry and nuclear chemistry, and advanced topics such as thermo and electro-chemistry, reaction rates, solution chemistry, etc.
Prerequisite: Successful completion of CP or Honors Chemistry
**CP Environmental Science - 3490**
*2 semesters / 1 credit / Fee Required*
This inquiry based laboratory course introduces the core concepts, principles, and theories of environmental science. Biology, chemistry, physics and physical geology will be incorporated. Scientific questioning and reasoning, analysis, and real world applications will be used to explore the topics of this course including: Earth’s biospheres and resources, pollution, populations, climate change, and environmental issues.
**Prerequisites:** CP Biology

**CP Physics - 3460**
*2 semesters / 1 credit / Fee Required*
This course explores Newtonian mechanics, energy changes, optics, magnetism, electricity, and modern physics. NOTE: You may not take Honors Physics after taking CP Physics.
**Co-Requisite:** CP Precalculus

**HONORS COURSES**

**Honors Chemistry I - 3429**
*2 semesters / 1 credit / Fee Required*
This course is designed for 10th grade students with advanced math skills. Introductory AP laboratory skills will be developed.
**Co-Requisite:** Algebra II or Honors Algebra II (strongly recommended)

**Honors Physics - 3470**
*2 semesters / 1 credit / Fee Required*
This junior/senior course explores Newtonian mechanics and energy exchanges using advanced math. Optics, magnetism, electricity and modern physics are also considered. Students will have the option to take the AP Physics I Algebra based exam.
**Co-Requisite:** Honors Pre-Calculus (11th grade) or CP Calculus (12th grade)

**AP COURSES**

**Advanced Placement Chemistry - 3450**
*2 semesters / 1 credit / Fee Required*
This course studies inorganic and organic chemistry as determined by the AP College Board. This is a second year course.
**Prerequisite:** Successful completion of Chemistry I and Algebra II Honors recommended.

**Advanced Placement Physics C: Mechanics**

**Advanced Placement Physics C: Electricity and Magnetism - 3480**
*2 semesters / 1 credit / Fee Required*
This course is a calculus study of mechanics and electromagnetism as determined by the AP College Board.
**Completion of placement assessments and/or summer project is required.**
**Prerequisite:** Honors Physics
**Co-Requisite:** AB Calculus or BC Calculus preferred

**Advanced Placement Environmental Science - 3495**
*2 semesters / 1 credit / Fee Required*
The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.
**Prerequisite:** CP or Honors Chemistry
SOCIAL STUDIES

Freshman Courses

All freshmen must take one of the following courses:

**CP World History - 4200**
2 semesters / 1 credit / Fee Required
The emphasis of this college-prep course will be on the application of the state standards in social studies in the context of the period 1600-present. There will be an emphasis on developing critical thinking skills.

**Honors American History - 4475**
2 semesters / 1 credit / Fee Required
This course examines the time period from 1877 to the present. Students study the chronological history of the United States with emphasis on domestic affairs. As the students study historic eras, they consider the geographic, cultural, economic and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods. This honors course prepares students for future advanced placement history courses.

Prerequisite: World History

Sophomore Courses

American History is a required course. Sophomores who have taken Honors American History may select AP US History, AP Human Geography, or AP European History.

**CP American History - 4325**
2 semesters / 1 credit / Fee Required
This college-prep course is designed for sophomores who will seek further education upon graduation from high school. It explores significant historical developments from 1877 to the present. While the latter part of the 19th century will be explored, the emphasis of this course will be on the major twentieth century events that helped shape this period.

Junior Courses

All juniors must take Government or AP Government; as well as Economics or AP Micro/Macro Economics.

**Government - 43503**
1 semester / 0.5 credit
This required course is designed to provide an understanding of the U.S. Constitution, including the executive, legislative and judicial branches, state and local government, and political parties. Fifteen (15) hours of community service is required. Qualified students may substitute a full year of AP Government during their junior or senior year.

**Economics - 43403**
1 semester / 0.5 credit
This required course deals with the fundamental economic concepts and the practical application of these concepts. This course is intended to be an overview of the economic system. While financial literacy will be studied, the course is not a consumer education course. Qualifying students may substitute a full year of AP Economics during their junior or senior year.

Social Studies Electives

**Psychology - 44403**
1 semester / 0.5 credit
This course introduces the scientific study of human and animal behavior and experience. History, methods, basic concepts and physiological components are studied. Major theories of perception, learning and personality are examined.
**Sociology - 44503**
1 semester / 0.5 credit
This course examines human group behavior in relation to society. The focus is placed on social theories, culture, social relationships, social groups, social inequalities and acts of deviance.

**American Law and Criminal Justice - 43553**
1 semester / 0.5 credit
Law and Criminal Justice develops and educates students on the basics of law, democracy, and human rights. This course traces the evolution of American law from its philosophical Enlightenment roots to our modern judicial hierarchy. By improving our student’s understanding and relevance of law we can create leaders who can solve problems and better our nation.

**Advanced Placement Electives**

All advanced-placement courses are designed to prepare students for the College Board AP exams administered in May of each year. Doing well on these tests can result in college credit. Summer reading/work may be required for AP courses.

**AP United States History - 4470**
2 semesters / 1 credit
This course is intended for qualified high school students who wish to complete studies equivalent to an introductory college course in U.S. History.
- 10th graders are strongly encouraged to be in the top 20% of their freshman class;
- 11th and 12th graders should have a teacher recommendation and should have successfully completed C.P. U.S. History.

**AP Micro/Macro Economics - 4345**
2 semesters / 1 credit
AP Economics prepares students for the AP Microeconomics and AP Macroeconomics tests. Topics of study include supply and demand, forms of competition and the role of government in the economy.

**AP Government and Politics - 4360**
2 semesters / 1 credit
This course is designed to provide a better understanding of how people behave politically, how our political system is designed, how our political institutions work and how all of these facets of our political system interact to create public policy. Qualified students may opt to take this course to meet the Government requirement for graduation.

**AP Psychology - 4445**
2 semesters / 1 credit
This course is equivalent to a one-semester college course, but is taught over a full school year. Students will investigate the scientific study of the behavior and mental processes of human beings and other animals.

**AP European History - 4465**
2 semesters / 1 credit
This course is the equivalent to a college introductory course in Western Civilization. Beginning with the Renaissance, the curriculum moves chronologically to the present. In addition to providing a basic narrative of events and movements, the goals of this course are to develop an understanding of some of the principal themes in modern European history, an ability to analyze, and an ability to express historical understanding in writing.

**AP Human Geography - 4545**
2 semesters / 1 credit
The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).
Lakota/Butler Tech Courses Offered at East and West

Introduction to Engineering Design (IED)
Z2249 East / Z2247 West
2 semesters / 1 credit
This Project Lead the Way course is the entry level for students considering a pathway to an engineering field. The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook, and communicate solutions to peers and members of the professional community. 2 college credits possible if student scores a stanine 6 or higher on the end of course assessment.

Principles of Engineering (POE)
Z2251 East / Z2252 West
2 semesters / 1 credit
This Project Lead the Way survey course exposes students to major concepts they’ll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. Students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. 2 college credits possible if student scores a stanine 6 or higher on the end of course assessment.
Prerequisite: Prefer that students have taken Introduction to Engineering Design (IED)

Aerospace Engineering (AE) – Z74150
2 semesters / 1 credit
The Project Lead the Way course explores the evolution of flight, flight fundamentals, navigation and control, aerospace materials, propulsion, space travel, orbital mechanics, ergonomics, remotely operated systems and related careers. In addition, the course presents alternative applications for aerospace engineering concepts. Utilizing the activity-project-problem-based (APPB) teaching and learning pedagogy, students will analyze, design, and build aerospace systems. While implementing these designs, students will continually hone their interpersonal skills, creativity, and application of the design process. Students apply knowledge gained throughout the course in a final multimedia project to envision their future professional accomplishments.
Prerequisites: Successful completion of Principles of Engineering (POE)
**Digital Electronics** (DE) – Z2255  
2 semesters / 1 credit  
From smartphone to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.  
**Prerequisite:** Successful completion of Aerospace Engineering (AE)  

**Engineering Design and Development** (EDD) – ZW253170  
2 Semesters / 1 credit  
The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in the Engineering program in a more comprehensive and authentic way. Capstones include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. Past project partnership include Cincinnati Children's Hospital and the Perlman Center.  
**Prerequisite:** Successful completion of 3 Engineering courses  

**Computer Integrated Manufacturing** – ZW120160 NEW for 19-20 Pilot course for LEHS  
Computer Integrated Manufacturing is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of efficiently creating the products all around us. Students build upon their Computer Aided Design (CAD) experience through the use of Computer Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product designed by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems. Throughout the course students learn about manufacturing processes and systems. This course culminates with a capstone project where students design, build, program, and present a manufacturing system model capable of creating a product.  
**Prerequisite:** Successfully completion of both PLTW-Introduction to Engineering Design (IED) and PLTW-Principles of Engineering Design (POE) prior to enrolling in this course is required.  

**Principles of Biomedical Sciences** (PBS)  
Z2248 East / Z2250 West  
2 semesters / 1 credit  
In this Project Lead the Way course students explore biology concepts through the study of human diseases. Students determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes.  

**Human Body Systems** (HBS)  
Z2253 East / Z2254 West  
2 semesters / 1 credit  
In this Project Lead the Way course students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration.  
**Prerequisite:** Successful completion of Principles of the Biomedical Sciences (PBS)  

**Medical Interventions** (MI) – ZSPT3  
2 semesters / 1 credit  
Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body deign to fail. Through these scenarios, students are exposed to a range of inventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.  
**Prerequisite:** Human Body Systems (HBS)  

**Biomedical Innovations** (BI) – ZSPT4  
2 semesters / 1 credit  
In this capstone course, students will apply their knowledge and skills to answer questions or solve problems related to biomedical science. Students will design innovative solutions for the health challenges of the 21st century as they work through open ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering and public health.  
**Prerequisite:** Medical Interventions (MI)
WORLD LANGUAGES

Successful completion of 1st, 2nd and 3rd year may be used to fulfill one of the criteria for an Honors Diploma. While there is no foreign language requirement for graduation, most colleges and universities now require two or three years of a foreign language for acceptance. Please request additional information from your guidance counselor.

American Sign Language
ASL is not accepted by all colleges; however, it is becoming more widely accepted for high school foreign language credit. Students are advised to check requirements for individual colleges.

American Sign Language I - 6300
2 semesters / 1 credit / Fee Required
This course is designed to develop basic receptive and expressive skills and to prepare students for language in a visual mode. A practical approach to teaching vocabulary, grammar and cultural aspects through "real life" conversational experiences will be utilized. Deaf Culture will be included as a critical aspect of the curriculum.

American Sign Language II - 6310
2 semesters / 1 credit / Fee Required
This course is designed to develop intermediate receptive and expressive skills by utilizing a practical approach to teaching vocabulary, grammar and cultural aspects through "real-life" conversational experiences. Emphasis will be given to the student's production of the language and receptive skills, with a focus on increasing both communicative fluency and grammatical accuracy.
Prerequisite: Successful completion of American Sign Language I

American Sign Language III - 6320
2 semesters / 1 credit / Fee Required
This course is an in-depth and advanced course that will strengthen the student's conversational skills by learning and reviewing vocabulary related to everyday topics. The student will discuss, analyze and evaluate the language with continued study of the Deaf Culture.
Prerequisite: Successful completion of American Sign Language II

French

French I - 6400
2 semesters / 1 credit / Fee Required
This course provides an introduction to the language and culture of the French-speaking world. Students will attain an acceptable degree of proficiency in the four skills of listening, speaking, reading and writing in topics that relate to everyday life.

French II - 6410
2 semesters / 1 credit / Fee Required
Students will continue to develop the skills learned in French I. Students will acquire a command of the key vocabulary and structures necessary for personal communication as well as an appreciation of the breadth and variety of the French-speaking world.
Prerequisite: Successful completion of French I

French III - 6420
2 semesters / 1 credit / Fee Required
This course will strengthen the student's conversational skills by teaching how to communicate in typical daily life situations. Emphasis is on aural and reading comprehension and self-expression in speaking and writing.
Prerequisite: Successful completion of French II

French IV - 6430
2 semesters / 1 credit / Fee Required
This course is designed to further develop reading, writing, listening and speaking skills through a study of advanced grammar, French literature and cultural material. This course will help students prepare for college proficiency tests and/or future study of French.
Prerequisite: Successful completion of French III
**AP French Language and Culture - 6440**  
2 semesters / 1 credit / Fee Required  
This course is designed to further develop interpretive, interpersonal, and presentational communication skills as well as comprehensive cultural knowledge through the study of advanced grammar, French literature and cultural material. This course will help students prepare for the AP French Language and Culture exam, college proficiency tests and/or future study of French.  
Prerequisite: Successful completion of French III and Teacher recommendation

**Latin**

**Latin I - 6600**  
2 semesters / 1 credit / Fee Required  
This course introduces the study of Latin grammar, syntax, vocabulary and Greek and Roman mythology, history and culture. The goal of the course is to gain reading knowledge of the Latin language.

**Latin II - 6610**  
2 semesters / 1 credit / Fee Required  
This course continues the study of Latin grammar, syntax, vocabulary and Greek and Roman mythology, history and culture. The strengthening of reading knowledge is the main goal of this course.  
Prerequisite: Successful completion of Latin I

**Latin III - 6620**  
2 semesters / 1 credit / Fee Required  
This course applies previously learned grammar and vocabulary to the reading and understanding of the writings of a variety of ancient Rome's famous authors. The building of vocabulary and grammar skills continues for students especially interested in improving performance on standardized college-entrance exams.  
Prerequisite: Successful completion of Latin II

**Latin IV - 6630**  
2 semesters / 1 credit / Fee Required  
This course provides motivated students of the classics an in-depth study of the literature written by some of ancient Rome's most famous authors. Students will explore thematic units dedicated to culture surrounding literature.  
Prerequisite: Successful completion of Latin III

**AP Latin / IV - 6640**  
2 semesters / 1 credit / Fee Required  
This course provides motivated students of the classics with the means to succeed on the AP Latin Exam. Students translate more than 500 lines of Virgil’s *Aeneid* and more than 500 lines of Caesar’s *Gallic War* with detailed analysis of poetic devices and literary themes.  
Prerequisite: Successful completion of Latin III and Teacher Recommendation

**Spanish**

**Spanish I - 6700**  
2 semesters / 1 credit / Fee Required  
This course provides an introduction to the language and culture of the Spanish-speaking world. Students will attain an acceptable degree of proficiency in the four skills of listening, speaking, reading and writing in topics that relate to everyday life.

**Spanish II - 6710**  
2 semesters / 1 credit / Fee Required  
Students will continue to develop the skills learned in Spanish I. Students will acquire a command of the key vocabulary and structures necessary for personal communication as well as an appreciation of the breadth and variety of the Spanish-speaking world.  
Prerequisite: Successful completion of Spanish I

**Spanish III - 6720**  
2 semesters / 1 credit / Fee Required  
This course will strengthen the student's conversational skills by teaching how to communicate in typical daily life situations. Emphasis is on aural and reading comprehension and self-expression in speaking and writing.  
Prerequisite: Successful completion of Spanish II
Spanish IV - 6730
2 semesters / 1 credit / Fee Required
This course is designed to further develop reading, writing, listening and speaking skills through a study of advanced grammar, Spanish literature and cultural material. The skills developed will help students prepare for college proficiency tests and/or future study of Spanish.
Prerequisite: Successful completion of Spanish III

AP Spanish Language - 6740
2 semesters / 1 credit / Fee Required
This course is designed to further develop interpretive, interpersonal, and presentational communication skills as well as comprehensive cultural knowledge through the study of advanced grammar, Spanish literature and cultural material. The skills developed will help students prepare for the AP Spanish Language and Culture exam, college proficiency tests and/or future study of Spanish.
Prerequisite: Successful completion of Spanish III and Teacher recommendation
LAKOTA / BUTLER TECH PROGRAMS –
Offered on-site at East/West High Schools

The following programs are offered at Lakota High Schools and in partnership with Butler Tech. Students may have to travel from their home school to participate in their selected program. Program locations are included in the descriptions provided below.

SPORTS MEDICINE/ EXERCISE SCIENCE

The Exercise Science Tech Prep program is a three-year program that requires its students to master a rigorous academic schedule, along with career-specific courses beginning in their 10th grade year. The courses are focused in emergency procedures, sports specific training, injury recognition/evaluation/prevention, exercise physiology, fitness training, sports exercise and psychology and nutrition/weight management.

Students learn techniques and cover topics from a variety of professional organizations. Employability skills are stressed so students will be able to perform professionally and articulate the principles of wellness to the public.

With the curriculum, students are immediately immersed in the program. By the completion of the program students will have had the opportunity to become First Aid/CPR Certified and become prepared to take an industry certification exam to become a Personal Trainer. In addition, students will design and implement exercise programs in our carefully designed, state-of-the-art exercise science lab. Research project examples include Exercise Program Design, Athletic Injury Assessment and Management, Emergency Action Planning and Professional Presentation.

To become eligible to be accepted into the Exercise Science and Sports medicine program, students will need to have successfully completed the course: Athletic Injury and Prevention during their 10th grade year. The junior year of the program consists of one year-long course and the senior year of the program consists of a two period dedication of time in the student’s schedule.

Athletic Injury and Prevention (formerly Sports Medicine I) – ZSPT1
2 semesters / 1 credit
In this year-long course students will identify signs and symptoms of injury and apply emergency procedures and techniques used in the immediate care of athletic-related trauma. Students will learn clinical and field evaluative processes, injury prevention techniques, conditioning techniques, treatment, taping, bracing, and rehabilitation of musculoskeletal injuries and conditions. Students will design and implement conditioning programs, including nutritional considerations and ergogenic aids. Emphasis is placed on the synthesis of information gathered through injury history, observation, and manual muscle testing.

This course is designed to serve as the introductory course to the field of Exercise Science and Sports medicine. This course will serve as a prerequisite for students interested in continuing in the Exercise Science and Sports Medicine program.
Students may be concurrently enrolled in Sports Exercise and Psychology.
This course DOES NOT meet the health requirement for graduation.

Sports Exercise and Psychology (formerly Sports Medicine II) – ZSPT2
2 semesters / 1 credit
In this year-long, junior level course, students apply practical and theoretical information as it relates to psychology of sport. Students will analyze what an injured athlete goes through, in regards to, major psychological changes during injury and rehabilitation. Students examine the reciprocal relations among physical activity, exercise behavior, and biochemical and physiological adaptation. Topics include theories of behavior change, exercise psychology interventions, the relationship between athlete burnout rate/injury predisposition and the general health care patients go through to recover quicker from injury with guided mental practice. Further, students will identify psychosocial determinants and effects associated with adopting and maintaining an exercise program and develop strategies for promoting optimal performance in athletes.
Prerequisite: Athletic Injury and Prevention
Students may be concurrently enrolled in Athletic Injury and Prevention.
This course DOES NOT meet the health requirement for graduation.
Exercise and Athletic Training - Z4160
2 semesters / 1 credit
In this year-long, senior level course, students will apply procedures and techniques used in athletic training and in the care and rehabilitation of athletic injuries and therapeutic exercise. Topics include injury prevention, conditioning, and wound care techniques of the musculoskeletal system. Students will learn techniques in the analysis of mechanical factors related to human movement. In addition, current trends, technology, legal considerations, and the role of exercise science in relationship to other health fields will be emphasized.
Prerequisite: students need to have taken Athletic Injury and Prevention, as well as Sports exercise and Psychology. Students also must be concurrently enrolled in Fitness Evaluation and Assessment.

Fitness Evaluation and Assessment - Z3160
2 semesters / 1 credit
In this year-long, senior level course, students will complete comprehensive fitness evaluations and develop individualized training programs. Students will administer lab and field tests of cardiovascular endurance, body composition, joint flexibility and muscular strength, power, and endurance. Emphasis is placed on assessing body composition, neuromuscular flexibility, agility, balance, coordination, and proprioception. Additionally, students will identify components of physical fitness and communicate how physical activity impact health and wellness.
Prerequisite: Students need to have taken Athletic Injury and Prevention, as well as Sports Exercise and Psychology. Students also must be concurrently enrolled in Exercise and Athletic Training.

CAREER BASED INTERVENTION
Offered at both Lakota East and Lakota West

Career Based Intervention Program with Work Based Component – Z5075 / Z5076
2 semesters / 1.0 credit
The Career Based Intervention Program is a career-technical program designed for students in grades 7-12 who are eligible based on academic and/or economic need. The CBI Program is designed to help students improve academic competence, graduate from high school, develop employability skills, set goals and implement a career plan, and participate in a career pathway in preparing for postsecondary education and future careers.
This program provides students with an opportunity to meet the academic needs for graduation while allowing for students to maintain appropriate employment within the business world. Students must meet the criteria set by the Butler Technology and Career Development Schools for both employment and academic eligibility.
The CBI Program will provide a combination of educational and service learning opportunities. All students are expected to participate in a Community Based Student Organization. This student club provides opportunities for local and state competitions as well as venues for service learning and community service.
Prerequisite: Acceptance into program by Butler Tech
The following two-year programs are offered to Lakota students in partnership with Butler Tech. These programs are located off-site – locations are noted. All programs require an application in the winter of the sophomore year.

**Auto Collision**
Do you find it easy to understand how different parts of a car are built and have an interest in how a car body is put together? If so, a career in Auto Collision may be for you. Students in this program will learn to straighten, repair, align and restore auto body components to their original shape and dimensions as well as estimate the cost of repairs. Duties include parts replacement, straightening damaged body panels, welding, auto glass replacement, auto frame straightening, damage analysis, and refinishing damage.

**Location:** D. Russel Lee Career Technology Center

**Automotive Technology**
Because computers have made today’s automobile engines highly complex, the role of the automotive technician has become highly technical. Butler Tech Automotive Technology will teach you how modern technology is used to make cars run efficiently and with high quality. The need for quality-minded people to design, build and repair these vehicles of the future is, and will continue to be, in high demand. Students will have the opportunity to blend the basic concepts of engines, electric circuits, computer technology and customer relations into today’s professional, highly trained, automotive technician. Our two-year program gives students exposure to electrical, steering and suspension, brakes, and engine performance, along with power trains, HVAC and drive trains as time permits. With these skills, you can continue into a two or four year college through one of the Tech-Prep programs we offer or start as an entry level technician right out of high school. Some students qualify to work with a mentor in an automotive dealership. This program is accredited by the National Automotive Technicians Education Foundation.

**Location:** D. Russel Lee Career Technology Center

**Construction Technology**
Build your future in the ever growing field of construction. Civil engineering, construction management, site coordination, material handling and independent contracting are just a few of the career opportunities available to those with carpentry skills. In Butler Tech Construction Technology, students will have hands-on experience by building and framing complete structures right in the classroom. Some of the topics covered are: basic safety, construction math, introduction to hand and power tools, introduction to blueprints, basic rigging, floor systems, wall systems, reinforcing materials, foundations and flatwork, concrete forms, manufactured forms, framing with metal studs, drywall installation and finishing, cabinet installation and interior door installation.

After graduation, students may enter directly into the career field or continue their education. Students who continue onto college will do so already possessing two years’ experience and possible NCCER certification, putting them ahead of their peers. Students who complete the two-year program may also enter an apprenticeship program with two years of service time.

**Location:** D. Russel Lee Career Technology Center

**Commercial Arts**
The Commercial Arts program is for students who thrive in a creative and artistic environment and who strive to be college ready. Students will receive hands-on basic art and design training, balanced with instruction in the most popular graphic computer programs used by today’s professional designers. Students work in a professional level studio with a Mac computer and up-to-date graphics software. They will learn a variety of drawing, sketching and rendering techniques. Color theory and color palette usage are also covered. They will create projects that build on the elements and principles of design using the Adobe Creative Suite. These include advertisements, book covers, logos, magazine articles, package design and poster design.

New to the program is an AP 2D studio design program. Students are given the option to have their portfolios judged for possible AP credit. Photoshop and illustrator give students tremendous artistic power to create images with visual impact. Second-year students are assigned client-based projects, which give them vital real-world experience.

**Location:** D. Russel Lee Career Technology Center
**Cosmetology**
Cosmetology is both a science and an art. Students are trained to provide services on clients’ hair, skin and nails to aid them in enhancing their appearance. This program emphasizes hands-on learning. Students will work with specific tools, equipment and products associated with cosmetology. They will gain practical experience in a lab setting by performing hair, skin and nail services first on manikins, and then on other students. The cosmetology program looks and runs like an actual salon. In the senior year, students provide services to the public through appointments at The Salon, which prepares them to directly enter the cosmetology field. This program qualifies and requires students to take the State Board of Cosmetology exam to become a licensed cosmetologist.

**Location:** D. Russel Lee Career Technology Center

**Criminal Justice**
The Butler Tech Criminal Justice program will cover many areas of study to help you prepare for a wide variety of careers in the criminal justice field. Students will learn from the most experienced teachers; certified and commissioned police officers.

Junior year students learn the following content: arrest and search, report writing, court procedures, writing traffic citations, crime scene, civil disorder, surveillance, gangs vehicle patrol, foot patrol, CPR/AED and gambling laws.

Senior year program includes the following content: child abuse, prisoner booking, ethics and professionalism, forensic science, private security, Ohio Revised codes, riot control, communication, chemical agents, polygraph, bombs and explosives, arson, collecting evidence, line-ups and juvenile justice.

**Location:** D. Russel Lee Career Technology Center

**Culinary Arts**
Express your creativity in the world of fine cuisine through the Culinary Arts program. Skills like menu planning and design, nutrition, food preparation and service, sanitation, safety, inventory control and calculation of food quantities are topics that will be taught in this career driven program. Students enrolled in this program operate the practice restaurant, Café Lee, on the D. Russel Lee campus. Health and safety regulations require that a uniform be worn while in the culinary lab. A uniform consists of a standard chef’s coat, checkered chefs pants, closed-toed shoes and a chef’s hat. Students will also purchase a professional knife kit.

**Location:** D. Russel Lee Career Technology Center

**Dance**
Students pursuing Dance at the School of the Arts will explore different styles of dance, including jazz, tap, musical theatre, lyrical, partnering and hip hop. They will participate in strength and flexibility training and learn about the careers and influence of notable dancers and choreographers.

Required courses include Dance and Business of Arts and Communications. Other choices include Choreography; Acting Performance; Acting and Script Analysis; Costuming and Makeup; Musical Concepts; Musical Engineering; Musical Ensemble and Composition.

**Location:** D. Russel Lee Career Technology Center

**Dental Assisting**
The Dental Assisting program prepares students to work with dentists and in dental laboratories. The training consists of learning computer assisted office practices and procedures, patient preparation and comfort, chairside assisting procedures and the use of laboratory materials and equipment.

All students receive First Aid/CPR certification in their junior year and their Dental Radiography certification as a senior. Additionally, students complete the required coursework to sit for the Certified Ohio Dental Assistant (CODA) exam at the end of their senior year if they qualify.

Local dental offices provide opportunities for students to job shadow or intern to gain valuable knowledge and experience in the field.

**Location:** Bioscience Center

**Digital Media**
Digital Media Production offers students a creative outlet centered in professional electronic media production. Students learn skills that help enhance their creativity in becoming young professionals in the expanding digital media field. During this two-year program, students develop the professional skills required to be effective directors, performers, writers, videographer, photographers, audio producers, video/audio editors, advertising executives and many other professions available in media production.

Digital Media Production is the first step to a post-secondary career path or moving into the rewarding field of media production as an employee or small business owner. Become part of Digital Media Production where our motto is “Don’t Change...Grow!”

**Location:** D. Russel Lee Career Technology Center
Early Childhood Education
The Early Childhood Education program gives you an opportunity to learn about and relate to infants, toddlers, preschool and elementary-aged children. Students learn business skills needed to operate a successful child care center using the Ohio Department of Education Preschool Licensing rules.

Students will study in the areas of: assessing children; child development principles and theories; children with special needs; curriculum development and lesson planning; early childhood content standards; guidance for young children; Ohio Department of Education law; and promoting safety, health and nutrition.

Students spend time in the onsite child development center teaching and relating to the children (student teaching). They will supervise, guide and care for children during their learning experiences in art, music, science, language development, literature and play.

Location: D. Russel Lee Career Technology Center

Equine Science
The Equine Science Program puts real-life learning to use. Students work with horses through riding, training and providing regular health checks. These learning opportunities are all tied to the two-year program goals. Students will learn responsible equine management principles and routine husbandry practices, business management and legal compliance. When they complete the program, our students will have an understanding of the equine anatomy and be able to describe the physiology and function in its biological systems.

For the 20 horses on our campus, students will apply knowledge of health and nutrition when designing preventive health care plans, planning diets and feed management programs. Safe handling, grooming, training, equipment selection/maintenance/use and emergency care techniques are developed and applied on a daily basis.

Students will evaluate responsible stewardship practices and develop production management strategies that emphasize the industry’s goals through good reproductive decision-making.

Finally, students will develop business leadership and communication skills critical to the application knowledge gained in the equine field. No riding or horse experience is necessary for students enrolling in this program, just a love of horses and a desire to learn more.

Location: Natural Science Center, Monroe

Exercise Science / Sports Medicine
If you are interested in fitness, nutrition, physical therapy, and how the body works, consider Exercise Science. Our students learn how to make the body stronger and help patients recover from injuries. All students receive First Aid/CPR certification in their junior year. Students design and implement exercise programs in our carefully designed, state-of-the-art exercise science lab. Students will be prepared to take the Personal Trainer Certification exam upon graduation.

UC Health West Chester Hospital offers the opportunity for these students to job shadow or intern to gain valuable knowledge and experience.

Courses include: Athletic Inquiry and Prevention, Exercise and Athletic Training, Fitness Assessment and Evaluation, Medical Terminology

Location: Bioscience Center

Firefighting Technology
Join the ranks of our nation’s Firefighters and Emergency Medical Technicians through the Firefighting Technology program. Master firefighting skills through the 240 level 2 firefighting certification, as well as earning certification as an Emergency Medical Technician – Basic. Introduction to such advanced disciplines as hazardous materials response, vehicle extrication, rope rescue, and confined space rescue are provided as part of the exciting curriculum.

Use your newly acquired skills to enter a Paramedic program, corporate emergency management, private or emergency ambulance operations, firefighting, fire safety inspection, or industrial safety management.

Location: D. Russel Lee Career Technology Center

Health Technologies
Health Technologies is for students who want to earn an associate or bachelor’s degree in the health field after high school. This program gives students the opportunity to gain hands-on experience and earn college credit while still in high school.

All students receive First Aid/CPR certification in their junior year. By the completion of the program, students may earn certification as a State Tested Nurse Aide (STNA). There are many career options: directly entering the workforce, continuing education or both. Butler Tech adult education programs help students earn their Licensed Practical Nurse (LPN) or Phlebotomy certifications if they choose to pursue these programs. During both junior and senior year, students will have the opportunity to participate in career exploration and job shadowing at area medical institutions, such as UC Health West Chester Hospital, Atrium Medical Center and Butler County Care facilities.

Each student has the potential of earning up to 40 college credit hours. Scholarships to colleges are available upon successful completion of this program.

Location: Butler Tech Bioscience Center
Information Technology
The Information Technology Academy offers “hands-on/real world” computer/networking training. This two-year program offers the opportunity to go on to a two/four-year educational track with scholarship awards. This program focuses on application and provides the student a chance to learn skills like: Application software; Computer networking; Telecommunications/electronics; Game design/animation and modeling; Network security; Operating systems; Cloud computing; Virtualization; Health IT; Interactive media
Students are provided certification training for CompTIA, telecommunications, Cisco, MAC OSX, Microsoft and LPI/RedHat/Unix. Discount vouchers are also available for the certification exam. You can earn up to 12-15 college credit hours in this program.
Butler Tech is committed to keeping the curriculum current and in pace with technology in order to meet the demands of the global economy. With the experiences gained, you could get that dream job through co-op, on-the-job training that may help pay your way through college. In this program, students will: learn how to build, customize, upgrade and repair computers; participate in Project-Based Learning (PBL) activities. Students will build and/or design homebrew devices like seismographs, weather instruments, shortwave radio, smartphones/iPods, gaming consoles, robotics and other electronic engineering projects and create a gaming/animation program, design a website or learn to program.
Location: D. Russel Lee Career Technology Center

Landscape Science
Do you want to design, install and maintain creative natural living and recreational spaces? Landscaping is much more than the stereotype of cutting grass and spreading mulch. In our program, you will gain landscape industry knowledge through internships and real world projects and will learn basic construction skills for future use in the industry. Courses will provide you with opportunities to learn Landscape Design, Hardscape Installation, Landscape Systems Management and Turf Science and Management. Plumbing, electricity and flooring are just a few of the skills you will learn during your course of study.
The Landscape Science program places an emphasis on the business and design side of the landscape industry through a hands-on experience with the planning, design and installation of plants, brick pavers, hardscape, lighting design and water features.
Students will also gain knowledge in plant identification and the installation of dry stack stone, water features, brick pavers, landscape lighting, irrigation systems, and much more. Throughout all of the courses, an emphasis on business management practices, employability skills (interview skills, resume building and other soft skills) and safety procedures will be emphasized.
Location: Natural Science Center

Music (Instrumental or Vocal)
Students pursuing Music at the School of the Arts will be part of a program that has a focus in rock, jazz and popular music. Technique courses are focused primarily on guitar, bass, drums, keyboards and vocals.
Required courses include Musical Concepts and Business of Arts and Communications. Other choices include: Musical Engineering; Musical Ensemble and Composition; Dance; Choreography; Acting Performance; Acting and Script Analysis; Costuming and Makeup.
Location: D. Russel Lee Career Technology Center

Precision Machining
If you like working with your hands and have the ability to troubleshoot, design and work in a technical environment, Butler Tech Precision Machining may be the program for you.
Sporting equipment, automotive parts and many other things you use on a daily basis are made possible because of machine shops. As technology advances, the need for more sophisticated machinery becomes essential. The Precision Machining program provides students with skills necessary to create this new equipment and repair older models.
During the two-year program, students will work with metals to repair and make parts for tooling and also invent, design and create metal parts with state-of-the art equipment.
Students cover many aspects of the industry, such as: Advanced manual machining, Blueprint reading, CNC machining, Milling, Reading measuring gauges, and Surface grinding.
After graduation, many students attend college to earn degrees in the engineering field. Students also directly enter the workforce or into apprenticeship programs. This program has a greater than 95 percent job placement rate.
Location: D. Russel Lee Career Technology Center
PLTW Biomedical Science
Biomedical Science is a Project Lead the Way (PLTW) program designed to stimulate interest in STEM (science, technology, engineering and math) subjects. Students in PLTW Biomedical Science will learn about diseases, forensics, DNA and how medical devices and advances in bioengineering are changing the face of healthcare. All students receive First Aid/CPR certification in their junior year. Students also have the opportunity to receive additional certifications such as a Pharmacy Technician if chosen as a capstone course. Most students in this program advance their education at a two- or four-year college upon graduation. UC Health West Chester Hospital and local biomedical companies offer the opportunity for students to job shadow or complete internships. Courses include: Principles of Biomedical Science, Human Body Systems, Medical Terminology, Medical Interventions, and Biomedical Innovations.

Location: Bioscience Center

Teacher Academy
The Teacher Academy program offers students the opportunity to explore the field of education and related career options beyond a traditional public school teacher. It offers an in-depth view of the teaching profession and hands-on experience working with children. Students may earn college credit for Introduction to Education with a qualified portfolio.

Junior Year - The Teacher Academy Methods class is for juniors who wish to pursue a teaching or education degree in college. This course focuses on the methods and theories of education by studying the history of education, the diverse needs of learners, the school environment, and the daily requirements of an educator at all levels of public education.

Senior Year - The focus of this year is the professionalism of education through field observations at area elementary, middle and high schools, which is documented in a capstone project of a senior Praxis III portfolio and the presentation of the portfolio to an authentic audience.

Location: D. Russel Lee Career Technology Center

Theatre
Students pursuing Theatre at School of the Arts will be exposed to all aspects of technical theatre as well as the acting performance side of theatre, with specific opportunities to explore Musical Theatre.

Required courses include Acting Performance and Business of Arts and Communications. At least two other choices are required and include: Acting and Script Analysis; Costuming and Makeup; Dance; Choreography; Musical Concepts; Musical Engineering; Musical Ensemble and Composition.

Location: D. Russel Lee Career Technology Center

Veterinary Sciences
The Butler Tech Veterinary Science program is a great way to "jump start" your career in the veterinary field. This program is for juniors and seniors in high school and is designed to give insight into the veterinary field and a head start into a competitive college program. You will learn about both small and large animals and receive a well-rounded education. The goal is to help you make a decision on the career path that is right for you.

The Veterinary Science program emphasizes hands-on learning, and students will work with the latest equipment and gain practical experience in the lab setting. Students will complete coursework through a variety of modules that mirror those they will study in college. They include: Safety/Animal Restraint and Handling; Intro to Animal Science; Careers in Animal Science; Medical Terminology; External Anatomy; Animal Behavior, Welfare and Husbandry; Preventive Animal Health; Pharmacology and Posology; Principles of Surgery; Hospital Procedures; Office Management; Preventive Animal Health; Disease and Parasites; and First Aid and CPR.

Students will also learn laboratory techniques in: Chemical Analysis of Blood; Microbiology; and Common Diseases and Disorders. A focus on professional career opportunities through our Senior Internship Program and Personal & Leadership Development provides a culminating experience for our students during their senior year.

Location: Natural Science Center

Visual Design
The Visual Design program at the School of the Arts covers the broad spectrum of career opportunities related to Visual Arts and Graphic Design. Students receive a basic exposure to all areas within Visual Design and graduate with a portfolio that can be used in job interviews and in the college application process.

All Visual Design students will take Business of Arts and Communication and three additional courses in the pathway, in addition to completing a senior year Capstone project in their preferred visual medium.

Courses include Visual Creation, Digital Print Design, Photographic Composition and more. The business side of the arts is also taught: marketing, branding, producing, promoting, booking, budgeting and merchandising, and more. Students learn and apply intellectual property rights, licensing, copyright, royalties, liabilities and contractual agreements.
Visual Design (continued)
For the Capstone project, students apply Arts and Communication program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

Location: D. Russel Lee Career Technology Center

Welding Technology
No matter how sophisticated technology becomes, one thing remains constant in the construction, fabrication, and industrial maintenance world: metal must be joined to metal, and only skilled, qualified Welding Technicians can do this vital job. Butler Tech Welding Technology offers the student a great opportunity to explore the vast possibilities in the Welding Industry. We offer in-depth training using the latest welding and metal fabrication technology being used in today’s industry. Skilled welders are in high demand in the industry.

Students will learn and get hands-on experience in: Basic metallurgy, Blueprint reading, Flux Core Arc Welding (FCAW), Fundamentals of metal fabrication, Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Materials science inspection and testing, OSHA safety regulations, Oxy-fuel cutting, Plasma cutting, Shielded Metal Arc Welding (SMAW), and Welding symbols interpretation.

Location: D. Russel Lee Career Technology Center
SECONDARY SUMMER SCHOOL – High School - 2019

Class offerings and registration information can be found by going online to www.lakotaonline.com/summerschool.

DATES:

- **Original and Credit Recovery Courses:**
  - May 28th - July 3rd
  - Session A: 8 AM-10 AM; Session B: 10 AM-Noon; Session C: Noon-2 PM
  - These courses must be completed by July 3rd to be eligible for credit.
  - The following courses will be offered for original credit: Health, Government, Economics, Financial Literacy, Sociology, and Psychology.
  - Required courses for the four content areas (English, Math, Social Studies, and Science) will be offered for credit recovery only (for students who have already taken the course and have NOT passed).
  - Students MUST attend a 2-hour session daily until the course is complete. Students register for ONE of the listed sessions; session options become limited as they are filled. Courses are online and can be accessed from home so that students may work ahead. Once the course is complete, students do NOT return to classes.

- **Physical Education Courses:**
  - The following courses will be offered:
    - Fitness and Sports – for all students who need their FIRST PE credit
    - Team and Individual Sports – for all students who need their SECOND PE credit
    - Session 1: May 28th – June 14th
      - An AM (7:00 AM – 11:20 AM) and PM (12:00 PM – 4:20 PM) session will be offered, pending enrollment.
    - Session 2: June 17th – July 3rd
      - An AM (7:00 AM – 11:40 AM) session will be offered, pending enrollment.
    - Students will NOT be permitted to split sessions between AM and PM or between June and July.

REGISTRATION & COST:

- $200 for each course taken – Parents pay this fee through EZpay at the time of registration.
- Students will register for Original Credit, Credit Recovery, and PE courses through the EZpay system. Please see the website for directions regarding this process.
- Registration starts March 4, 2019, and ends April 5, 2019. The deadline for ALL registration for PE courses and for Original Credit courses is April 5, 2019.
- Credit Recovery Students ONLY: Students will register for ONE course they need for credit recovery. When they finish that course with a passing grade, they will then be able to add and pay for another course. Students will pay for and complete ONE course at a time in order to focus efforts on finishing courses for which they have paid. After April 5th, please see the website for directions for registration and payment.

OHIO GRADUATION TEST:

- The OGT will be proctored only for students who have previously failed one or more portions of the test.
- Testing will take place June 10th – 14th.
- There is no cost. Students should refer to the website for information on how to register.

OHIO END-OF-COURSE ASSESSMENTS

- The Ohio End-of-Course Assessments will be offered during a summer testing session.
- Students who will be re-taking an assessment will be able to take a preparation session prior to taking the test.
- Dates: June 24th – June 28th, 9 AM – 11 AM
- Testing will take place between July 15th and July 19th. Location and other information will be provided to students who register for testing.
- Cost: $40 (flat fee for the preparation sessions, no cost for testing only)

Because of the compact and accelerated nature of the programs, students must be in attendance every day. In extenuating circumstances, an absence may be excused, but the student is still responsible for all missed work. In addition, summer PE absences will require that students make up the time missed. Students must participate in the entire course to receive credit. Students are expected to follow all rules and policies as outlined in the Lakota Student Code of Conduct.

Summer vacations and other appointments should not be scheduled during Summer School hours.
## COURSE LISTINGS

### ENGLISH

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Honors English 9</td>
<td>9</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*CP English 9</td>
<td>9</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*Honors English 10</td>
<td>10</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*CP English 10</td>
<td>10</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*Honors English 11</td>
<td>11</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*CP English 11 Historical</td>
<td>11</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*CP English 11 Novel</td>
<td>11</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*AP English Lit. &amp; Comp</td>
<td>11 12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*AP Language &amp; Composition</td>
<td>11 12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*Advanced Composition</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*Honors Adv. Composition</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*British Literature</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*World Lit &amp; Comp (CP12)</td>
<td>11</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*Creative Publications</td>
<td>9</td>
<td>0.5</td>
<td>E</td>
</tr>
<tr>
<td>*Creative Writing</td>
<td>10</td>
<td>12</td>
<td>0.5</td>
</tr>
<tr>
<td>*Journalism I</td>
<td>10</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>Journalism II</td>
<td>11</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>Honors Journalism III</td>
<td>12</td>
<td>1.0</td>
<td>E</td>
</tr>
<tr>
<td>Reading Workshop</td>
<td>9</td>
<td>10 12</td>
<td>0.5</td>
</tr>
<tr>
<td>*Speech</td>
<td>9</td>
<td>10 12</td>
<td>0.5</td>
</tr>
<tr>
<td>ESL Emerging</td>
<td>9</td>
<td>10 12</td>
<td>1.0</td>
</tr>
<tr>
<td>ESL Progressing</td>
<td>9</td>
<td>10 12</td>
<td>1.0</td>
</tr>
<tr>
<td>ESL Trial Mainstream</td>
<td>9</td>
<td>10 12</td>
<td>1.0</td>
</tr>
<tr>
<td>ESL Fund. Of Lang. Arts</td>
<td>9</td>
<td>10 12</td>
<td>1.0</td>
</tr>
<tr>
<td>Theater</td>
<td>9</td>
<td>0.5</td>
<td>E</td>
</tr>
</tbody>
</table>

### MATH

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CP Algebra I</td>
<td>9</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Freshman Math</td>
<td>9</td>
<td>1.0</td>
<td>E</td>
</tr>
<tr>
<td>*CP Geometry</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>Sophomore Math</td>
<td>10</td>
<td>1.0</td>
<td>E</td>
</tr>
<tr>
<td>*CP Algebra II</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>Junior Math</td>
<td>11</td>
<td>1.0</td>
<td>E</td>
</tr>
<tr>
<td>*Trig and Applied Algebra</td>
<td>11</td>
<td>12 1.0</td>
<td>E</td>
</tr>
<tr>
<td>*CP Pre-Calculus</td>
<td>11</td>
<td>12 1.0</td>
<td></td>
</tr>
<tr>
<td>*CP Calculus</td>
<td>11</td>
<td>12 1.0</td>
<td></td>
</tr>
<tr>
<td>*Honors Geometry</td>
<td>9</td>
<td>10 1.0</td>
<td></td>
</tr>
<tr>
<td>*Honors Algebra II</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Honors Pre-Calc w/Trig</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*AP Calculus BC</td>
<td>11</td>
<td>12 1.0</td>
<td></td>
</tr>
<tr>
<td>*AP Calculus AB</td>
<td>11</td>
<td>12 1.0</td>
<td></td>
</tr>
<tr>
<td>*AP Statistics</td>
<td>11</td>
<td>12 1.0</td>
<td></td>
</tr>
</tbody>
</table>

### SCIENCE

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CP Physical Science</td>
<td>9</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*CP Biology</td>
<td>10</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*Honors Biology</td>
<td>9</td>
<td>10 1.0</td>
<td></td>
</tr>
<tr>
<td>*Honors Chemistry I</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Chemistry I</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*AP Biology</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Honors Anatomy &amp; Phys.</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
</tbody>
</table>

### FOREIGN LANGUAGE

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>*American Sign Language I</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*American Sign Language II</td>
<td>11</td>
<td>12 1.0</td>
<td></td>
</tr>
<tr>
<td>*American Sign Lang. III</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*French I</td>
<td>9</td>
<td>10 11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*French II</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*French III</td>
<td>11</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>*French IV</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*AP French Lang &amp; Culture</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*Latin I</td>
<td>9</td>
<td>10 11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Latin II</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Latin III</td>
<td>11</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Latin IV</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*AP Latin / IV</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*Spanish I</td>
<td>9</td>
<td>10 11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Spanish II</td>
<td>10</td>
<td>11 12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Spanish III</td>
<td>11</td>
<td>12</td>
<td>1.0</td>
</tr>
<tr>
<td>*Spanish IV</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>*AP Spanish Language</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

### BUSINESS

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Literacy &amp; Planning</td>
<td>9</td>
<td>10 11 12</td>
<td>0.5</td>
</tr>
<tr>
<td>Sports/Enter. Marketing</td>
<td>9</td>
<td>10 11 12</td>
<td>0.5</td>
</tr>
</tbody>
</table>

* denotes NCAA Approved Course
E = Elective Credit ONLY
## COURSE LISTINGS

### COMPUTER SCIENCE / CYBER SECURITY

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP Comp. Science Principles</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>AP Computer Science A</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Intro to Comp Sci/Programming</td>
<td>9</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Web Design</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Comp. and Mobile Applications</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Game Design</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Cyber Security I</td>
<td>10</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Cyber Sprint</td>
<td></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

### HEALTH

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Health</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Human Sexuality</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
</tbody>
</table>

### PHYSICAL EDUCATION

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fitness and Sports</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Aerobics I</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Aerobics II</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Walking, Jogging, Fitness I</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Walking, Jogging, Fitness II</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
</tbody>
</table>

### FAMILY AND CONSUMER SCIENCE

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Growth &amp; Development</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Culinary Fundamentals</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Career and College Readiness</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Contemporary Cuisine</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Personal Wellness</td>
<td></td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

### FINE ARTS

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choir</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Band</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Jazz Band</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Acting I</td>
<td>10</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Acting II</td>
<td>11</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Acting III</td>
<td></td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Theater Arts</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Fine Art I</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Drawing and Painting I</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>Drawing and Painting II</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Drawing and Painting III</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Drawing and Painting IV</td>
<td></td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Still Photography I</td>
<td>10</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Still Photography II</td>
<td>10</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Ceramics I</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Ceramics II</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Ceramics III</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Ceramics IV</td>
<td></td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Metals I</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Metals II</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Metals III</td>
<td>11</td>
<td>12</td>
<td>0.5</td>
</tr>
<tr>
<td>Metals IV</td>
<td>11</td>
<td>12</td>
<td>0.5</td>
</tr>
<tr>
<td>AP Studio Art: Drawing</td>
<td>11</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>AP Studio 3-D</td>
<td>11</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

### STEAM

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Engineering Design</td>
<td>9</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Principles of Engineering</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Aerospace Engineering</td>
<td>11</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Digital Electronics</td>
<td></td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Eng Design and Development</td>
<td></td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Prin of Biomedical Sciences</td>
<td>9</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Human Body Systems</td>
<td>10</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>Medical Interventions</td>
<td></td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Biomedical Innovations</td>
<td></td>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

### LAKOTA-BUTLER TECH PROGRAMS

<table>
<thead>
<tr>
<th>COURSE TITLE</th>
<th>YEAR</th>
<th>CR</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletic Injury &amp; Prevention</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Sports Exercise &amp; Psychology</td>
<td>11</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Exercise &amp; Athletic Training</td>
<td>12</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Fitness Eval. &amp; Assessment</td>
<td></td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>CBI - with Work</td>
<td>11</td>
<td>12</td>
<td>varies</td>
</tr>
<tr>
<td>CBI - without Work</td>
<td>11</td>
<td>12</td>
<td>varies</td>
</tr>
</tbody>
</table>
When instructed, students or their parents may enter their course requests into Home Access Center (HAC). Please refer to your registration materials for deadlines.

Student Course Requests

During the specified timeframe, students will see a tab for Requests in the Classes page in HAC.

1. On the Requests tab, courses that have been recommended by current year teachers appear as blue hyperlinks below the Department.
2. To remove a recommended course or select additional courses, click the **Edit** button for the Department’s courses you want to request.

3. Click the **Request** box for the course(s) you want.
4. Click **Save**.
Requesting an Alternate Course:

1. Click in the Request box next to the alternate course.
2. Use the dropdown list in the Alternate column to select Alternate to This Course.
3. Select the previously requested course to which this course would be an alternate.
4. Click Save.

Deleting a Request:

1. Click the Edit button for the Department of the course you want to delete.
2. Uncheck the appropriate course (at the top of the list).
3. Click Save.
Tracking progress toward graduation:

1. Click the + button for **Graduation Subject Area Requirements** at the bottom of the Requests page.

2. Required, completed, in-progress, and requested credits show.

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>Required Credits</th>
<th>Completed Credits</th>
<th>Scheduled Credits</th>
<th>Planned Credits</th>
<th>Needed Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9 (E1)</td>
<td>1.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>English 10 (E2)</td>
<td>1.0000</td>
<td>0.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>English 11 (E3)</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>English Elective (EE)</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>1.0000</td>
</tr>
<tr>
<td>Biological Science (BS)</td>
<td>1.0000</td>
<td>0.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>Physical Science (SP)</td>
<td>1.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>Science Elective (SE)</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>1.0000</td>
</tr>
<tr>
<td>Algebra II (M2)</td>
<td>1.0000</td>
<td>0.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>Mathematics (MT)</td>
<td>1.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>1.0000</td>
</tr>
<tr>
<td>World Studies 9 (WS9)</td>
<td>1.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>US History 10 (HS10)</td>
<td>1.0000</td>
<td>0.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>Government (GV)</td>
<td>0.5000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.5000</td>
</tr>
<tr>
<td>Economics (EC)</td>
<td>0.5000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.5000</td>
</tr>
<tr>
<td>Health (HT)</td>
<td>0.5000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>Phys Ed 1 (PE1)</td>
<td>0.2500</td>
<td>0.2500</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>Phys Ed 2 (PE2)</td>
<td>0.2500</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.2500</td>
</tr>
<tr>
<td>Creative Performing Art (CP)</td>
<td>1.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>Elective (EL)</td>
<td>4.0000</td>
<td>1.0000</td>
<td>1.0000</td>
<td>0.0000</td>
<td>2.0000</td>
</tr>
<tr>
<td>Total</td>
<td>14.0000</td>
<td>6.5000</td>
<td>6.5000</td>
<td>5.5000</td>
<td>2.5000</td>
</tr>
</tbody>
</table>
Our Mission:
Everything WE do is designed to provide a future ready, student-centered learning experience for every single child.

Our Vision:
WE are PERSONALIZED.
WE are FUTURE READY.
WE are FISCALLY RESPONSIBLE.
WE are IN THIS TOGETHER.

#WEareLakota