



Lyons High School

Student and Family Handbook
&
Course Descriptions

2025-2026

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Lyons Middle Senior High School

General Information

Message from the Principal

Lyons Middle Senior High School is a special place -- ranked in the top 5% of High Schools in the State of Colorado and a place where students truly excel! Our school boasts academic, athletic, and co-curricular success where students excel in a small school environment. We are thrilled that you have chosen Lyons Middle Senior for your education! We work hard every day to create a safe, innovative, and student-centered environment to help our students reach their very best potential. It is also important that you take advantage of every support and opportunity that we offer! This will make your high school experience memorable and meaningful.

The handbook and course descriptions are designed to help you take ownership of your education and best plan your journey at Lyons Middle Senior High School. However, don't be afraid to ask questions and ask for support when you need it.

Go Lions!

Chris Frank
Principal

Administrative Staff

Mr. Chris Frank, Principal
Ms. Colleen Ford, Assistant Principal/
Athletic Director (A-J)
Ms. Francesca Crispino, Dean of Students (K-Z)

Counseling Staff

Mrs. Aimee Brown, A-J
Ms. Jenna Machado, K-Z
Ms. Nina DeFrang, Interventionist
Mrs. Savannah Holmes, Registrar

School Office Hours:

7:30 a.m. - 3:30 p.m.

Important Phone Numbers

Main Office: 303-823-6631

School Fax: 720-494-3855

Attendance: 720-494-3844

Lyons Middle Senior High Mission

At Lyons Middle Senior High School, we are dedicated to providing an enriching educational experience that fosters community connections, upholds a legacy of academic excellence, and cultivates robust student engagement. Through our commitment to innovative, inquiry-based learning and impactful leadership activities, we empower students to become active learners and develop the necessary skills for success in both college and career. We are devoted to offering academically rigorous coursework and comprehensive support systems, ensuring that every student reaches their full potential and emerges as a well-rounded, responsible, and accomplished individual.

Pillars Of The Pride

Through collaboration with our middle and high school student leadership groups alongside feedback from our staff, we have identified the following “Core Pillars” of our school that represent what we seek to build, maintain and strive for:

- **Community**-Lyons Lions support and respect each other’s individuality and actively contribute to a welcoming safe space for all.
- **Leadership**- Lyons Lions seek to use their talents and energies to build collective success through compassion and empathy while recognizing and encouraging the talents of their peers.
- **Excellence** -Lyons Lions are committed to continuous improvement by striving for greatness, excelling through difficulty and aiming to be the best in all that they do.

Student and Parent Handbook

Academic Integrity

According to St. Vrain Board Policy JICDA, engaging in scholastic dishonesty includes but is not limited to cheating on a test, plagiarism or unauthorized collaboration with another person in preparing written work.

- Students are expected to complete all assignments and assessments honestly as original work. Copying work or using unauthorized tools (including AI) to complete tasks is not allowed.
- AI tools may be used for learning purposes (e.g., giving feedback, understanding content) but not to complete assignments or assessments without student effort/process.

Consequences for Academic Dishonesty

- **Assessments:** Any dishonest behavior results in a **zero** for that attempt. The student may retake the assessment for partial credit, at the teacher's discretion.
- **Assignments:** A **zero** will be assigned, with redo opportunities to make up the work determined by the teacher.
- **Repeated Offenses:** Multiple incidents of dishonesty may lead to further disciplinary action such as, but not limited to: denial of collegiate recommendation letters, detentions, in-school suspension, and/or out of school suspension as appropriate.

Prevention

- Expectations are clearly communicated at the start of the course. Students are encouraged to ask questions and seek help if unsure about what constitutes academic dishonesty.
- Regular discussions on academic integrity, including responsible AI use, will take place throughout the year.

Communication and Support

- **Parent Involvement:** Parents will be notified at each stage of the process, ensuring they are involved in the resolution of the issue.
- **Student Discussions:** A one-on-one meeting will take place between the student and the teacher to discuss the dishonest behavior, reinforce expectations, and outline corrective measures.
- **Makeup Procedures:** For assignments that are eligible for a redo, the student may be expected to complete the work independently, with appropriate oversight to ensure academic honesty.

Attendance [Board Policy: JH-R: Student Absences and Excuses](#)

One criteria of a student's success in school is regular and punctual attendance. Frequent absences may lead to poor academic work, lack of social development and possible academic failure. Regular attendance is of utmost importance for school interest, social adjustment and scholastic achievement, particularly for closing the achievement gap. Continuity in the learning process and social adaptation is seriously disrupted by excessive absences and tardies. In most situations, the work missed cannot be made up adequately. Students who have good attendance generally achieve higher grades, enjoy school more and are more employable after leaving school. For at least these reasons, the Board believes that a student must satisfy two basic requirements in order to earn full class credit: (1) satisfy all academic requirements, and (2) exhibit good attendance habits as stated in this policy.

Attendance Matters!

When a student misses **2 days of school per month**, they will end up missing 20 days of school per year. They will miss over 30 hours of math, reading and writing over the school year. They will miss over 1 year of school by graduation.

When a student misses **4 days of school per month**, they will end up missing 40 days of school per year. They will miss over 60 hours of math, reading and writing over the school year. They will miss over 2 years of school by graduation.

Excused Absences

- The following will be considered excused absences for students at Lyons Middle/Senior High School: illness, injury, or physical, mental emotional disability, or non-emergency medical/dental appointments (a doctor's excuse may be required for extended absences); religious observances generally recognized by an established and bona fide religious organization; family emergencies or hardships; absence required by a legal body (court, juvenile authorities or police); other reasons approved by law. In addition, excused absences will be considered for a student who is attending any school-sponsored activity or activities of an educational nature with advance approval by the administration.
- Lyons Middle/Senior High School will allow parents and guardians to excuse up to 10 absences per year without documentation. Any further absences may need proper documentation in order to excuse them.
- Students with excused absences will be granted a reasonable amount of time to complete make-up work- generally two days for each day absent.

Unexcused Absences

- An unexcused absence is defined as an absence that is not covered by one of the foregoing exceptions. Each unexcused absence shall be entered on the student's record.
- Parents/guardians shall be required to furnish an explanation for student absenteeism either in writing or orally. Absences not explained within two days after returning to school shall be recorded as unexcused absences unless unusual or extenuating circumstances exist as determined by the building administrator.
- The minimum number of unexcused absences a student may incur before judicial proceedings are initiated to enforce compulsory attendance is four (4) days in one month or ten (10) days during any school year.

Tardiness

- School begins at 7:45 a.m. A student will be marked tardy if arriving to any class following the bell regardless if they are on campus on time or not.
- Students receiving 3 tardies in one week will serve a lunch detention the following week.
- The only time a student will have an excused tardy is when they have an illness, doctor or dentist appointment. In every other instance, a student who is late to school or class will be marked as having an unexcused tardy. Tardies not excused within two days will be marked as an unexcused tardy.

Students who are considered **truant** (Missing 4 days in a month, *unexcused*, or 10 days in a school year, *unexcused*) or are considered **chronically absent** (Missing more than 10% of a school year. Attending 90% or less, *excused OR unexcused*) are significantly more likely to struggle in school both socially and academically. Our administrative team will partner with families to put plans in place for

students meeting these criteria and will do everything possible to support strong attendance moving forward.

Bullying and Conflict Resolution [District policy JICDE](#)

Lyons M/S takes bullying very seriously. We aim to provide a safe and civil school environment for students to learn and succeed. Bullying, along with other disruptive or violent behaviors, negatively impacts students' learning and the overall educational atmosphere. The purpose of this policy is to promote consistency and establish a zero-tolerance stance against all forms of bullying and to promote strong community, one of our Pillars of the Pride.

Bullying is defined as repeated conduct directed at one or more students that intends to cause distress based on actual or perceived characteristics such as race, color, religion, ancestry, national origin, gender, sexual orientation, gender identity and expression, socioeconomic status, mental, physical, or sensory disability, or any other distinguishing characteristic. The school environment encompasses all school-related areas, including buildings, grounds, vehicles, bus stops, and school-sponsored activities and events.

If we become aware of any concerns or suspicions of bullying, we take immediate action to address the issue. Here are the steps we follow to ensure a supportive and safe environment for every student:

- Open communication channels: We maintain open lines of communication with our students, encouraging them to share any incidents of bullying or concerns they may have.
- Prompt response: When bullying concerns are brought to our attention, we respond promptly and seriously. We investigate the matter thoroughly, considering the perspective of all parties involved.
- Collaborative approach: We involve parents or guardians in addressing the situation, fostering a collaborative effort to support the child and find a resolution.
- Confidentiality and privacy: We maintain confidentiality and protect the privacy of all parties involved during the resolution process.
- Creating a positive school culture: We work tirelessly to cultivate a positive school culture where respect, empathy, and kindness are promoted and celebrated.
- Intervention and consequences: We intervene with appropriate consequences for the individuals involved in bullying, with a focus on educating and reforming behavior.
- Supportive counseling: We offer support and counseling to students who have experienced bullying, ensuring they have a safe space to express their feelings and emotions.

Cell Phone Expectations

At Lyons, we believe that students' focus and engagement are essential for academic success. In order to support a learning environment free of distractions, we have implemented the following cell phone expectations. These expectations ensure that students are present, engaged, and able to focus on their academic and social development.

Middle School (Grades 6-8)

- **Cell phones/headphones must be kept in lockers** during the school day.
- Students may use phones after school or at designated times (e.g., during lunch).
 - Students have access to contact parents using the office phone and parents are encouraged to call the office to leave messages for students that can be delivered at appropriate times.

High School (Grades 9-12)

- **Cell phones/headphones must be kept out of sight** during class time.
- Phones should not be visible on desks, in students' hands, or in use during instructional time, group work or classroom discussions.
- Students may store their phones in lockers/backpacks during the school day.
- Students should only use their phones during appropriate times (breaks, lunch, etc.).

How You Can Help At Home

1. Review this policy as a family and discuss the implications together including consistent, fair, repercussions both at home and at school.
2. Support a unified approach- Align home and school rules about phone usage to avoid mixed messages. For instance, if phones are kept off and stored during class, model support for this rule by not texting children during school hours.
 - Instead- If you need to send messages to your student you can call the office, and/or email at lunch time as to avoid disrupting learning during the day.
3. Check out our [family resources](#) provided by District Technology Services to help balance appropriate technology use as a family.

Communication

We use technology to maintain open lines of communication. Information from teachers is typically shared via Schoology and/or Infinite Campus. Lyons Middle/Senior will send a weekly email update every Friday. Phone calls are usually the best form of communication. However, email is a great tool for sharing basic facts. E-mail is discouraged however, if there is a sensitive topic as tone may be misinterpreted. In these situations, parents/guardians are encouraged to call or schedule an appointment to meet with the teacher or administration. We will also update our website and school calendar with as much information as possible regarding school events.

Dogs/Pets

We ask that dogs/pets be kept off district property including our fields and grounds including at athletic events. We appreciate your role in helping us keep clean and orderly school grounds by following this policy.

Discipline [Board Policy: JICDA: Student Code of Conduct](#)

We do not expect adolescents/teens to be perfect students every day. Students will make mistakes. Our goal is to ensure that mistakes are not repeated, and that everyone involved learns from their actions. A safe and orderly environment must be maintained to ensure a positive teaching-learning environment. Lyons administrators expect most routine disciplinary matters to be handled by the classroom teachers.

Incidents of intentional bullying or harassment of any kind will not be tolerated. We hold a high expectation for building community in our school and any individuals that violate this will face consequences according to Board Policy.

Dress Code [Board Policy: JICA: Student Dress Code](#)

Students must adhere to the St. Vrain Valley Dress Code at all times, and parents/guardians may be contacted to bring in suitable clothing for students if they are found to be in violation of the dress code. The following items may be deemed disruptive to the classroom environment or to the maintenance of a safe and orderly school and are not acceptable in school buildings, on school grounds, or at school activities:

- Any clothing or accessory that presents a reasonable threat or hazard to the safety of others in a school environment, e.g., sharp jewelry, some chains, etc.
- Sunglasses and/or hats worn over the eyes inside the building.
- Clothing that bares or exposes traditionally private parts of the body including, but not limited to, the stomach, buttocks, back and breasts.
- Any clothing, paraphernalia, grooming, jewelry, accessories, or body adornments that are or contain any advertisement, symbols, words, slogans, patches, or pictures that:
 - Refer to drugs or controlled substances, tobacco, alcohol, or weapons
 - Are of sexual nature
 - By virtue of color, arrangement, trademark, or other attribute denote affiliation with gangs or which advocate drug use, violence, illegal activity, or disruptive behavior which is detrimental to the safety and welfare of other students
 - Are obscene, profane, vulgar, lewd, or legally libelous
 - Threaten the safety or welfare of any person
 - Otherwise disrupt the teaching-learning process
- Students are required to wear appropriate footwear to ensure the safety and health of the student and others while on district property.

In addition to the information listed above, Lyons also has the following requirements of students:

- No hoods can be worn inside the building. This is for safety purposes of clearly identifying students throughout the day.

General School Rules:

- Students are expected to keep good care of school property including desks, supplies, technology and facilities.
- Students are expected to arrive at school on time and leave the school premises at the end of

their school day unless they are participating in an after school sponsored activity or are supervised by an adult.

- Students are not allowed in the building until 7:30 a.m. unless they are participating in an earlier supervised activity, need to visit the Office or due to inclement weather.
- Students are encouraged to bring only those items directly related to learning into his/her class.
- Guns, knives, alcohol, fireworks, and tobacco in any form are forbidden and may result in suspension or expulsion from school.
- Skateboards, scooters, roller-skates and rollerblades may not be used on school property.
- Due to health and related issues, students will not be allowed to bring pillows, blankets or stuffies.
- Students are allowed to bring only water bottles throughout the school building. Bringing excess foods/drinks causes spills, stains and critters!
- Students are expected to put their backpacks in their lockers throughout the day.

Grading

The reported grade represents a picture of where the student is currently performing based on a weighted format. A grade is a measure of progress against the standard(s) and a measure of what a student knows and is able to do.

Advanced	90-100%	A
Proficient	80-89%	B
Partially Proficient	70-79%	C
Unsatisfactory	60-69%	D
Unsatisfactory	0-59%	F

Lyons Middle/Senior High School will also send out a weekly message to families of students that have D's or F's. Parents/guardians and students are encouraged to check Infinite Campus for grades weekly.

Health Services

A health clerk is in the building full time. It is **ESSENTIAL** that we have the following information on file in case of illness or emergency:

- Telephone numbers where parents/guardians may be reached.
- Names and telephone numbers of relatives or friends who should be contacted when parents/guardians are not available.
- Name and telephone number of family doctor.
- Please give the office updated information when changes are made.

Illness

- If a student becomes ill at school, the student should report to the office with a signed pass

from the teacher. If the student is too ill to remain at school, a parent will be contacted. In all cases where the nature of an illness or an injury appears serious, the parent or guardian shall be contacted if possible. In extreme emergencies, arrangements may be made for a student's immediate transportation to a hospital whether or not the parent or guardian can be reached.

Immunization

- All students must be immunized to attend school in Colorado. No application for admission shall be complete without a certificate of immunization or a completed exemption form. Requirements for a certificate of immunization may be waived for transfer students or new students for 60 days from the date of admission. State law requires all 7th grade students to have current MMR vaccination, and hepatitis B.

Dispensing of Medication

- St. Vrain Valley District RE-1J employees are not to dispense prescription or non-prescription medication without written consent from the parent and direction from a physician. Before medication is administered, a Permission for Medication form **MUST** be on file in the school. This form should be obtained from, and signed by your physician when the medication is prescribed. This form can also be obtained at the school office. Students may not keep any medication in their possession or locker.

Lockers

Students will each be assigned a locker at the beginning of the school year. Students will bring their belongings with them from class to class but backpacks are expected to stay in lockers. Lockers are the property of Lyons Middle/Senior High School. The school reserves the right to inspect lockers at any time. **The school cannot guarantee the personal property of students.** Students are cautioned not to bring large amounts of money, cameras, electronic devices, jewelry, and other expensive items to school.

Lunch

High school students are eligible to leave for lunch with a signed parent permission slip. We offer a full lunch program for all students and expect students to abide by the following rules:

- Be courteous as you would in any restaurant or at home.
- Clean up when you leave. This includes throwing your trash away, returning your tray and wiping the table where you sat.
- Stay within the established lunch boundaries when outside.
- We recycle and compost at lunch and expect students to follow the guidelines for these programs.

Parent Involvement

Our parent and community support is vital to the success and strength of our schools. Becoming a member of the Lyons Booster Club is a great way to plug in and help with various roles including supporting our Book Fair, selling spirit wear, and fundraising for our school above and beyond traditional funding. Our parent volunteers annually raise around \$80,000 to support our Lyons

students and each and every parent is encouraged to become involved.

In addition, we also have a School Accountability Committee that meets quarterly to receive updates regarding assessment data cycles, school program priorities and other updates.

Safety and SRP (STANDARD RESPONSE PROTOCOL)

All SVVSD Schools (and most school districts in Colorado) use the Standard Response Protocol:

<http://iloveguys.org/srp.html>

Guidelines for Lyons Middle/Senior High School Drills

- Drills are to be taken seriously and your students must understand this point. Safety drills prepare us for events that we hope never occur.
- There should be no talking by students during a drill.
- Students should maintain an orderly disposition at all times.
- Maps and instructions will be posted in every classroom.
- Every room will have a designated slot for up to date rosters and a red & green laminated sign.
- In the event of an Evacuation during a non-class time, students report to their previous teacher.
- In the event of a Lockdown during non-class time, students report to the nearest classroom.

Social Media

As mentioned in the “Cell Phone” section, students are not allowed to use cell phones, including use of social media during class. We expect our students to: Use digital spaces to build and lift others and to model positivity and kindness on digital platforms. We also encourage students and families to follow us on social media:

FaceBook: Lyons Middle Senior High School (Official)

Twitter: Lyons Middle Senior High School @LyonsLionsCO

Twitter: Lyons Booster Club @LyonsBooster

Instagram: @LyonsLionsCO

Technology

Every student at Lyons Middle/Senior High School is issued a district owned iPad that will be used and kept by each student for the current academic school year. It is issued to the student but is the property of SVVSD and can be confiscated and/or accessed by any adult at any time.

- Students are expected to abide by **Lyons iPad & Technology Expectations** at all times:
 - My iPad is a learning device and should be used for academic purposes at school.
 - My iPad belongs to SVVSD and can be checked by a staff member at any time.
 - When I use my district-owned iPad, I am safe, responsible, and respectful.
 - I take care of my district-owned iPad.
 - I will put away my iPad or put it screen down when an adult asks me to.
 - I will always follow the SVVSD Expectations and Commitments when using my

district-owned iPad.

- I will ask permission before I take pictures, video, or audio recording of any student or staff members.
- I will bring my charged iPad to class every day.
- I will keep the assigned case on my iPad.
- I will face disciplinary actions if I misuse my iPad.

- ***Cellphones and earbuds: Students are NOT allowed to use cell phones, earbuds, or similar devices throughout the school day unless directed by the teacher for educational purposes only.***

If they are out, students are given a warning to put the device away. Second offense - the teacher takes the device and sends it to the office.

- Students who use any form of technology to harass or bully other students, or who are in violation of the previously stated expectations, face possible disciplinary action and may be referred to an administrator.

iPad Insurance:

The \$25 insurance fee has been added to your child's account and can be paid via [RevTrak](#) or at the front office. In order for your child's iPad to be covered under the insurance policy the fee needs to be paid by September 15th. After that date, the fee will be deleted and insurance will no longer be available. We strongly encourage every student to carry insurance on their iPad.

Highlights of this insurance are as follows:

- A first incident of accidental damage is no charge
- A second incident of accidental damage is \$50
- A third incident of accidental damage at \$100
- Exchange of district-issued non-working lightning cable
- One incident of loss at a cost of \$250 (a police report may be required for a loss claim)
- Full insurance details can be found [here](#).

Transportation, Drop Off and Safety

Our front drop off lane is the best place for families to drop students off. We ask that families not let students out at the crosswalk on McConnell Dr. as it can present challenges to ingress and egress.



1. If you are dropping off or picking up a student please pull as far forward as possible in the lane and only drop off/pick up students at the curb.

2. Please stop at our designated crosswalk.
3. If parking in the lot, please leave space for kids to walk in between cars. Also, please be very careful when pulling away from your spot.
4. Please stay off your cell phone in our parking lot.
5. Finally, please drive slowly and be patient with others. Don't let frustration cause a preventable accident.

High School Students are expected to park in our South Parking lot and not down neighboring streets. Students are required to obtain a \$5 annual parking permit so that in the event of an emergency, we can quickly identify student vehicles.

Introduction to the Course Description Book

Welcome to Lyons High! This Course Description Book has been developed to assist you in planning a course of study for your high school years. The guide contains the requirements that you must meet to graduate from Lyons High School along with descriptions of all the courses that are offered at Lyons High School.

We suggest that you:

- Study the graduation requirements, college entrance requirements, Advanced Placement Program information.
- Complete a 4 year plan (incoming Freshmen) or credit check sheet (Incoming Sophomores, Juniors, Seniors)
- Then review the course offerings and plan your own course of study with your parents and/or counselor. Your choice of courses should be based on graduation requirements, teacher recommendations, your interests and abilities, your past achievements, and your post-high school plans.

Please think **carefully** about your course selections for next year. Talk to your teachers and counselor if you need advice. The Counseling Department, the faculty, and the administrators are available to offer assistance in your decision-making process. Please contact us at 303-823-6631 if you have any questions.

****The master schedule will be built from student requests. Courses and multiple sections of courses will be offered only if sufficient numbers of students enroll. Therefore, please make your selections carefully. Students will be selecting classes for the entire school year and may not be able to change their schedule if they change their mind.**

Graduation Requirements

Graduates must complete 24.5 credits and ICAP. Credits must include:

English (4 credits)

PE (2 credits)

Math (3 credits)

Algebra 1 and higher

Practical Arts (0.5 credits)**Fine Arts (0.5 credits)****Health (0.5 credits)****Personal Financial Literacy (0.5 credits)****Electives (7.5 credits)****Social Studies (3 credits)**

World History/Geography

US History

US Government

Science (3 credits)**Individual Career and Academic Plan (ICAP)**

Each student plans for post-high school college and career readiness with an Individual Career and Academic Plan (ICAP). ICAP is a multi-year process that intentionally guides students and families in the exploration of career, academic and postsecondary opportunities. With the support of parents, teachers, and counselors, students develop the awareness, knowledge, attitudes, and skills to create their own meaningful and powerful pathways to be career and college ready. Through a student's ICAP, a student will explore developmentally appropriate ICAP elements which have been sculpted by research and evidence-based practices.

SVVSD Seal of Biliteracy

The St. Vrain Valley School District will recognize students who have studied and attained proficiency or higher in English and at least one other language with the Seal of Biliteracy. This award, given at graduation, provides students with a competitive advantage in the employment market as well as increased opportunities for higher education. For more information about the requirements, benefits and the application, visit [SVVSD Seal of Biliteracy](#).

SVVSD PE Waiver

Students have the opportunity to waive up to 1.0 physical education credit. Students who maintain full-time student status during all four years of high school and meet all other graduation requirements may waive a .5 physical education credit by successfully completing one of the following criteria:

- ☐ One (1) St. Vrain Valley School District athletic program at the high school level; **OR**
- ☐ 72 hours during an 18-week period of an appropriate, pre-approved, structured, and supervised physical activity outside of the school district.

IMPORTANT: Credit is waived; not earned. Students must still accrue 24.5 total credits to meet graduation requirements.

Collegiate Athletics

Students planning to participate in athletics at the college level should make sure to consult with their school counselor, coaches, review eligibility requirements through NCAA or NAIA and start planning early to make sure all processes are carefully followed. More information can be found at the [NCAA Eligibility Center](#) website and the [NAIA](#) website.

Lyons courses that have been approved through the NCAA Eligibility Center will have a notation stating **"NCAA Approved Core."**

College Admission Requirements

	SVVSD Grad Requirements	Minimum College Admissions Requirements	Notes
English	4.0 credits	4.0 credits	SVVSD requirements include English 9, English 10, English 11 (includes AP courses), English 12 (includes AP courses)
Math	3.0 credits	4.0 credits	Must include Algebra I, Geometry, Algebra II or equivalent
Science	3.0 credits	3.0 credits	3.0 to 4.0 credits are encouraged for college admissions
Social Studies	3.0 credits	3.0 credits	SVVSD requirements include World Geo/His, US History and US/CO Gov
PE	2.0 credits	-----	
Health	.5 credit	-----	
Personal Financial Literacy	.5 credit	-----	
Electives	7.5 credits	2.0 credits	Academic Electives: additional courses in English, math, natural/physical sciences and social sciences, world language, art, music, drama, computer science, honors, Advanced Placement
World Language	-----	2.0 to 3.0 credits	Students and parents should research World Language requirements for college admissions.
Additional requirements	ICAP		College admissions requirements vary. Students and parents should research specific requirements.
Total	24.5 credits		Some colleges require standardized testing (SAT/ACT). Reference college websites for criteria. Student athletes need to reference NCAA or NAIA eligibility criteria.

Grading Information

Letter Grades and Grade Point Average

A	90 - 100%
B	80 - 89%
C	70 - 79%
D	60 - 69%
F	59% or less

In computing the grade point average and class rank of Lyons High School students, the following numerical values are awarded:

A = 4 B = 3 C = 2 D = 1 F = 0

Honors Courses:

A = 4.5 B = 3.5 C = 2.5 D = 1.5 F = 0

All AP courses are weighted:

A = 5 B = 4 C = 3 D = 2 F = 0

In school transfer cases where course weight is different from Lyons High School courses, the weight will be adjusted on the Lyons High School transcripts and used to determine Lyons High School rank in class and grade point average comparisons. This includes courses not offered in St. Vrain Valley Schools and/or courses that carry a different weight value when transferred into Lyons High School. These adjustments are not intended to devalue achievement at other schools, but to provide parity for rank-in-class comparisons at Lyons High School.

(All graded classes count in grade point average.)

Reporting of Grades

Student grades are available in the Infinite Campus parent portal. All grades are Progress grades until they are posted as Semester final grades. On grade reports, "Term GPA" reflects the most recent Semester grades. "Cumulative GPA" includes all courses taken in high school. Only *Semester* final grades affect the cumulative GPA. Official transcripts cannot be altered unless an error is verified by the school principal, who will order a correction. All courses listed on the transcript with a letter grade (A-F) shall be calculated in the student's GPA for the term in which the course was taken and in the cumulative GPA. Students who repeat a course or take it in summer school and receive a second grade shall have **both grades** transcribed and calculated in the cumulative GPA.

Academic Letters

Per SVVSD policy, high school students may earn letters for academic achievement. Students may qualify for an academic letter each semester. To initially qualify for an academic letter:

1. A student must earn a 3.75 grade point average or higher for the semester.
2. A student must be enrolled as a full-time student and be enrolled in a minimum of three core area classes (English, Mathematics, Social Studies, Science or World Language).
3. Pass/Fail courses--Teacher Aide, Office Aide, Work Study, Science & Leadership, and Student Council--will **NOT** be considered in the computation of academic lettering.
4. All Advanced Placement and Concurrent Enrollment classes will be considered core area courses.
5. Credit toward an academic letter must be earned in the qualifying semester. Credit and GPA may **NOT** be carried from one semester to the next.

Further qualifying semesters of academic achievement per above guidelines will result in the award of an academic bar to be worn on the letter for that academic year.

Graduation Exercises

A student who completes the graduation requirements of this district shall be granted a diploma from the school of attendance.

A student shall complete the requirements for graduation prior to graduation day in order to be eligible to participate in all honors and graduation ceremonies provided for his class.

A student who completes the requirements for graduation in the summer immediately following the graduation of his or her class may elect to:

1. Receive his or her diploma at the end of summer school but dated as for his or her class.
2. Participate in the graduation ceremonies of the next class and receive a diploma dated for that class.

A student who is under disciplinary suspension or confined by a police agency may be granted a diploma but shall not be eligible to participate in graduation ceremonies. For additional information on graduation practices please reference [Board Policy IKFB](#).

Valedictorian/Salutarian:

The Valedictorian is the student with the highest academic rank in the graduating class. The Salutarian is the student with the second highest academic rank in the graduating class. The rank-in-class is determined using all grades and weight adjustments mentioned in the "Letter Grades and Grade Point Average" section description in this handbook. The building Principal reserves the right to award more than one Valedictorian or Salutarian.

Student grades and ranks will be calculated each semester, with a final calculation to determine the Valedictorian and Salutarian occurring at the end of Fall semester prior to graduation. A final class rank calculation will occur at the end of the Spring semester and will appear on final transcripts.

Minimum requirements:

- 12 or more credits must be completed at Lyons Middle Senior High School.
- Not more than two credits of Passing "P" or Satisfactory "S" may be used for GPA calculation. Of these two credits, not more than 0.5 may be from a core subject. (English, Math, Social Studies, Science).
- Students using non-accredited transfer credits towards graduation will not be considered for first or second rank in the class or for Valedictorian/Salutatorian.
- Students must maintain full-time academic status, including their senior year. This requires enrollment at Lyons Middle Senior High for at least three credits (6 six classes) per semester.

Scheduling Information

Scheduling

The staff and administration believe that the most effective schedule for a student addresses the student's needs while preparing them for success in post-secondary educational options. For this reason, we feel that a student's schedule should maximize the educational opportunity afforded. Students are encouraged to plan ahead for their academic needs and work with school counselors and administration whenever possible. In an effort to help students address graduation requirements and maximize their opportunities, the following is a recommended class load by grade level:

Grade 9 = 8 classes

Grade 10 = 7-8 classes

Grade 11 = 7-8 classes, possible college/advanced/career coursework encouraged

Grade 12 = 7-8 classes, possible college/advanced/career coursework encouraged

Schedule Changes

Time periods for schedule changes for each semester will be communicated to students via the Counseling Office. All students must attend their original schedule until officially notified of a schedule change! Any schedule change is dependent on the availability of space in the classroom, and schedule changes are not guaranteed.

Schedule changes will be made only for the following reasons:

1. A student hasn't met the prerequisites for the course. This would include an incorrect level of a course.
2. An error occurs in the student's schedule that leaves a blank in the schedule or a duplicate class that already appears on the schedule.
3. A student wishes to add a teacher's aide or a work study or time release period.
4. A student needs a course in order to ensure graduation requirements are met or that college admissions requirements are met.

Students must complete a schedule change form to request a schedule change.

Schedule changes without penalty will be made within the first **2 WEEKS** of the semester (this includes changing, adding or withdrawing from courses). After that date, students cannot add courses to their schedule. Students must meet the full time student status criteria. This is especially important for student athletes.

Students may withdraw from a class within the first **4 WEEKS** of a semester without penalty. An F will appear on the student's transcript if he/she withdraws from a class after the **4 WEEK** deadline. (teacher approval is required for a student to withdraw from a core course). Students must meet the full time student status criteria. This is especially important for student athletes.

Concurrent Enrollment

The State of Colorado provides several options for high school students who meet high school standards to begin college early. The purpose of these options include promoting content standards, providing academic challenge and enrichment, and providing access to academic courses that may not be available at a local high school to meet high school graduation requirements. Persons under twenty-one years of age, enrolled in 10th, 11th or 12th grade (CSU Online courses) &/or 11th or 12th grade (FRCC courses) who demonstrate academic preparedness are eligible for the Concurrent Enrollment Program. To enroll at an eligible postsecondary institution a student must have completed the minimum course prerequisites and all required assessments. Students may not enroll in college level remedial or basic skills courses.

Students interested in Concurrent Enrollment are required to attend a meeting and submit an application the semester prior to when they will potentially enroll in courses. For more information, please see the district [Concurrent Enrollment](#) page.

Transfer Credits From Out of District Programs































Lyons High School prides itself in providing a comprehensive and challenging academic program for all students. With this in mind, circumstances may arise whereby a student may look to other resources to enhance their education. Some examples include online courses (BYU High School Independent Study) or college courses (not taken through SVVSD Concurrent Enrollment). These courses are not meant to be substituted for a course available in the school's master schedule. Per *SVVSD policy IKF*, only 2.0 credits may be taken out of district and applied to the student's transcript for graduation. If a student wishes to pursue this avenue there are criteria that must be met. Families are responsible for the payment of these options. Please consult your student's school counselor for more information and an application before registering for these types of courses.

Time Release Periods

Students must complete the Time Release permission form and submit it to the main office. Time Release Periods may be revoked if students do not comply with the rules that govern them. Students with Time Release Periods must still maintain full-time student status. If a student does not leave campus during their Time Release Period, they are required to either work quietly in the library, lobby area, or cafetorium.

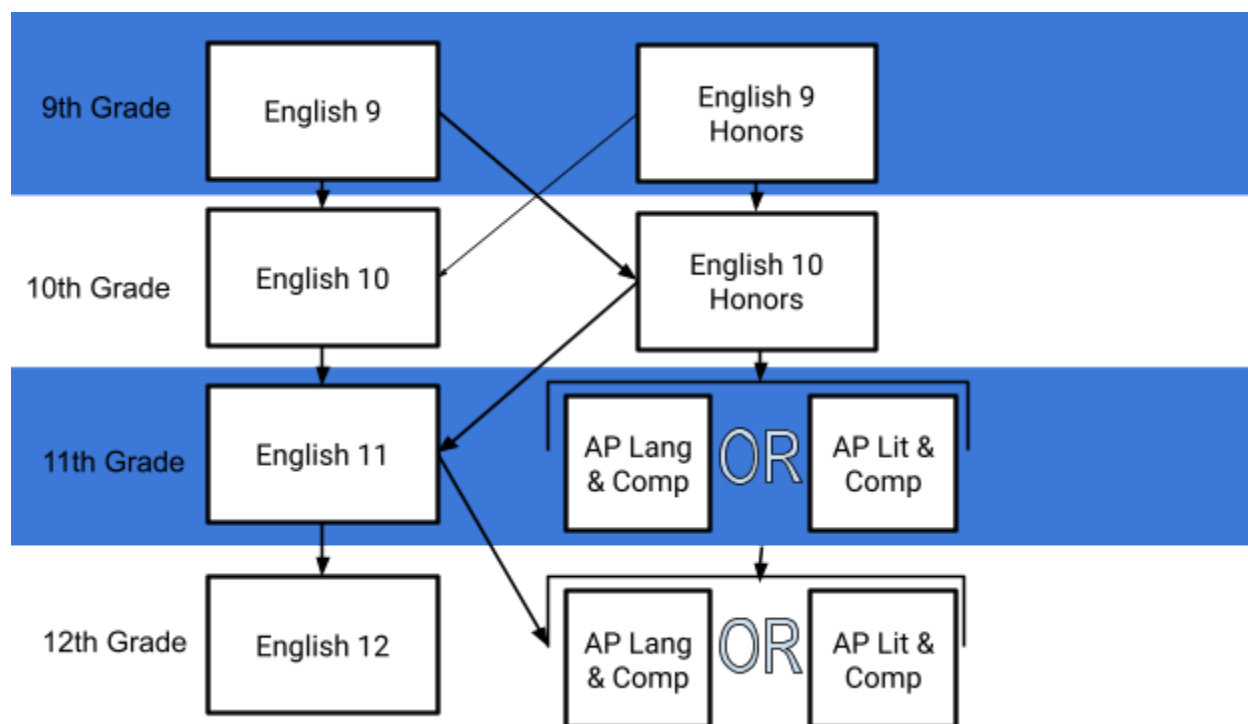
Grid of Rotating Course Offerings

To maximize options we often alternate courses from year to year. This handbook includes ALL courses offered, and the alternating course grid below shows the timing of rotating classes.

Subject	Course	Grade	2025-26	2026-27	2027-28	2028-29
English (Year Long)	AP English Language & Composition	11, 12		-----		-----
	AP English Literature & Composition	11, 12	-----		-----	
Social Studies (Year Long)	AP United States History	10, 11, 12		-----		-----
	AP United States Government & Politics	10, 11, 12	-----		-----	
Social Studies Electives (Semester)	Psychology	9, 10, 11, 12		-----		-----
	Law in American Society	9, 10, 11, 12	-----		-----	
	Economics	9, 10, 11, 12		-----		-----
Science (Year Long)	AP Biology	11, 12		-----		-----
	AP Environmental Science	11, 12	-----		-----	
Fine Art (Semester)	2D Design	9, 10, 11, 12		-----		-----
	Beginning Drawing	9, 10, 11, 12	-----		-----	
	3D Design	9, 10, 11, 12		-----		-----
	Beginning Painting	9, 10, 11, 12	-----		-----	
	Ceramics	9, 10, 11, 12		-----		-----
	Digital Photography	9, 10, 11, 12	-----		-----	

Language Arts Course Descriptions

Lyons Middle Senior High School Language Arts Pathways



** AP Language/Composition and AP Literature/Composition are offered on alternating years which may impact the order in which students take these courses. For details on the rotation of these courses, [click here](#) or go to Pg 23.

English 9

LA1110 A/B

Details: Grade 9, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: None

Description: In Grade 9, instructional time should focus on four critical areas: (1) Oral Expression and Listening which requires effective preparation strategies and listening critically to comprehend a speaker's message; (2) Reading for All Purposes which requires analyzing and comparing increasingly complex literary elements in traditional and contemporary works of literature and informational texts; (3) Writing and Composition of literary, narrative, informational and persuasive texts using proper grammar, usage, and mechanics; (4) Research and Reasoning which requires collecting, evaluating, and analyzing a variety of informational materials for accuracy, relevance, and effectiveness. Students will also use effective problem-solving strategies that require high-quality reasoning. These concepts and associated skills are aligned with the Colorado Academic Standards for Language Arts, incorporating 21st century skills and postsecondary and workforce readiness competencies.

English 9 Honors

LA1111 A/B

Details: Grade 9, Full Year, 1.0 credit, 4.5 weighted, [NCAA Approved Core](#)

Prerequisite: Teacher recommendation OR 8th grade Advanced English OR A or B in 8th Grade English

Description: This course is designed for students who have demonstrated advanced ability and interest in language arts. The course includes composition, research, various literary genres, oral communication, grammar and vocabulary addressed at an intensity that the standard English 9 course does not offer. Students will be expected to cover more material, experience and react to each unit with the depth, and detail that are required in an advanced course.

English 10

LA 1120A/B

Details: Grade 9, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: English 9 or English 9 Honors

Description: In Grade 10, instructional time should focus on four critical areas: (1) carefully gathering and organizing information influences on audience; active listening is critical to operating in groups; (2) reading in order to develop new ideas; to understand literacy, persuasive and informational texts; and to determine literary and historical influences; (3) engaging an audience through stylistic devices, organizational patterns and effective revision/editing; (4) using valid and accurate research to answer questions, propose solutions, or share findings while employing reasoning skills. These concepts and associated skills are aligned with the Colorado Academic Standards for language arts, incorporating 21st century skills and postsecondary and workforce readiness competencies.

English 10 Honors

LA 1121 A/B

Details: Grade 10, Full Year, 1.0 credit, 4.5 weighted, [NCAA Approved Core](#)

Prerequisite: English 9 Honors OR English 9 with Teacher Recommendation

Description The course covers the strands of English (Oral Communication, Writing, Reading Comprehension, Literature, Research and Information management) with an intensity that the standard English 10 does not offer. Students will be expected to cover more material, experience and react to each unit with the depth, and detail that are required in an advanced course.

English 11

LA 1130 A/B

Details: Grade 11, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: English 10 or English 10 Honors

Description: In Grade 11, instructional time should focus on four critical areas: (1) Evaluating oral communication; (2) Critical, close reading in a variety of American literary and informational texts; (3) Developing a personal style of writing through revision and refinement; and (4) Pursuing self-designed research tasks. These concepts and associated skills are aligned with the Colorado Academic Standards for language arts, incorporating 21st century skills and postsecondary and workforce readiness competencies.

English 12

LA 1140 A/B

Details: Grade 12, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: English 11

Description: This class will emphasize composition for a variety of purposes. Writing assignments for this course will include both practical and academic compositions. Students will read and write about primarily nonfiction sources in preparation for postsecondary education or employment. Successful completion of a research-based paper or project is required to pass. Students will be expected to display good work habits and consistently complete homework, an essential part of this course.

Advanced Placement (AP) Language and Composition

LA 5100A/B

Details: Grade 11/12, Full Year, 1.0 credit, 5.0 weighted, [NCAA Approved Core](#)

Prerequisite: English 10 Honors OR Teacher Recommendation

Description: Advanced Placement Language and Composition provides a challenging environment for the advanced student through rhetorical analysis and how writers construct meaning. Students will apply critical reading skills mainly to non-fiction prose such as essays, speeches, and documents across the disciplines. Students will apply their understanding in mostly analytical and persuasive writing. Students will qualify to sit for the English AP examination and possible college credit (AP Exam Fee required)

Advanced Placement (AP) Literature and Composition

LA 5110A/B

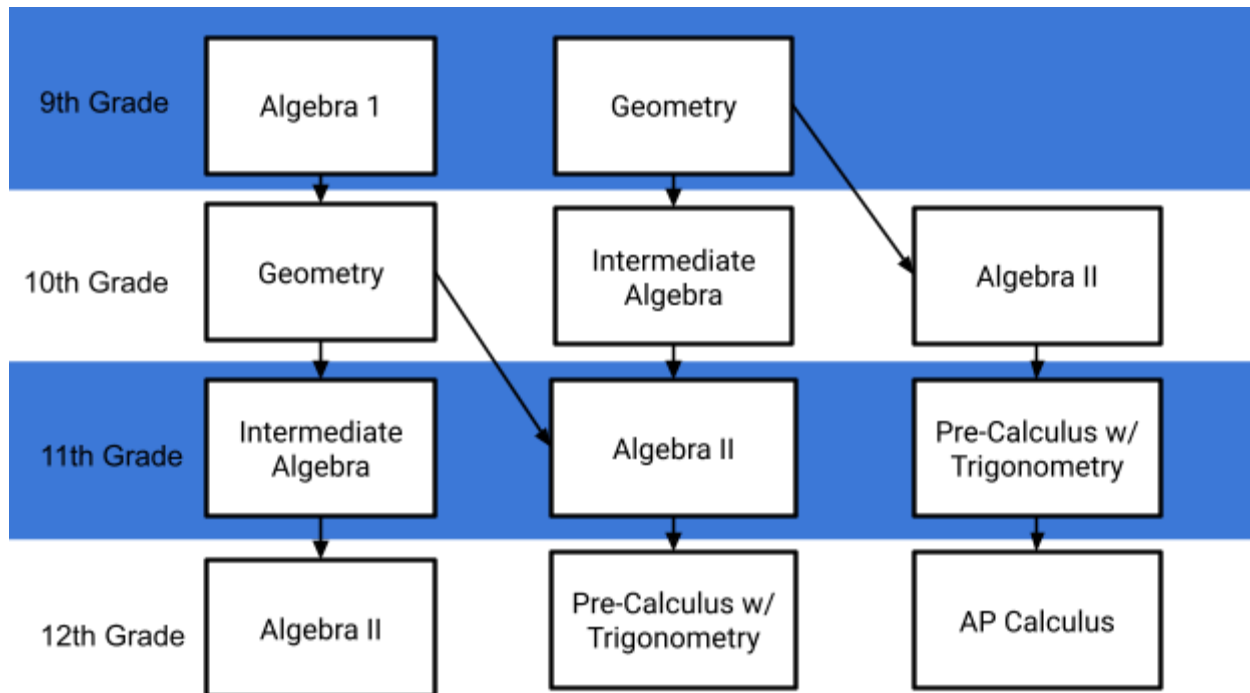
Details: Grade 11/12, Full Year, 1.0 credit, 5.0 weighted, [NCAA Approved Core](#)

Prerequisite: English 10 Honors OR Teacher Recommendation

Description: Advanced Placement Literature provides a challenging environment for the advanced student to excel in writing, in the study of literature, and in the application of critical thinking skills with in-depth analysis and mature discussion of great works and ideas. Students will be expected to read the material outside of class, to participate actively in class discussions, to complete daily assignments or overnight responses, to take examinations, to complete college-type papers, and to do some independent work. Students will qualify to sit for the AP examination and possible college credit. (AP Exam Fee required)

Mathematics Course Descriptions

Lyons Middle Senior High School Math Pathways



Algebra I

MA 1110 A/B

Details: Grade 9-12, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: 8th grade math

Description: Algebra focuses on four critical areas: (1) mastering the solution of linear equations and applying related solution techniques to systems of equations and inequalities, finding and interpreting their solutions; (2) interpreting functions given graphically, numerically, symbolically, and verbally, translating between representations; comparing and contrasting linear and exponential functions; (3) using graphical representations and knowledge of the context to make judgments about the appropriateness of linear models using regression techniques; using theoretical probabilities to describe events of change; and (4) comparing the key characteristics of quadratic functions to those of linear and exponential functions. These concepts and associated skills are aligned with the Colorado Academic Standards for mathematics, incorporating 21st century skills and postsecondary and workforce readiness competencies.

Geometry

MA 1210A/B

Details: Grade 9-12, Full Year, 1.0 credit, **NCAA Approved Core**

Prerequisite: Algebra I

Description: Geometry focuses on five critical areas: (1) using coordinate geometry to connect geometric and algebraic relationships to develop concepts of proof; (2) applying the definition of congruence in terms of rigid transformations (translations, reflections, and rotations) and applying congruence shortcuts for triangles to prove properties of triangles and quadrilaterals; (3) proving properties of circles and using area and volume formulas in problem-solving situations; (4) applying the Pythagorean Theorem, right-triangle trigonometry, and properties of similar triangles to calculate indirect measurements; and (5) using conditional probabilities to explore events of chance. These concepts and associated skills are aligned with the Colorado Academic Standards for mathematics, incorporating 21st century skills and postsecondary and workforce readiness competencies.

Intermediate Algebra*

MA 1310A/B

Details: Grade 10-12, Full Year, 1.0 credit ***Does not meet NCAA eligibility requirements**

Prerequisite: Algebra I and Geometry

Description: This course is a bridge between Algebra I/Geometry and Algebra II. Students will extend their learning through real world applications of algebraic, geometric, and statistical concepts. This course will include an in depth study of families of functions (linear, exponential, quadratic, radical, and rational), measures of central tendency, standard deviation, probability, combinations, permutations, geometric transformations, and right triangle trigonometry.

Algebra II

MA 1410 A/B

Details: Grade 10-12, Full Year, 1.0 credit **NCAA Approved Core**

Prerequisite: Algebra I and Geometry (with a grade of C- or better)

Description: This course is designed for students who desire to continue in the college preparatory sequence. Its intent is to build on the skills learned in algebra 1. The course includes solutions of equations and inequalities, functions and relations, linear and quadratic systems of open sentences, polynomial functions, complex numbers, logarithms, factorials, matrices and problem solving. Students will be expected to complete all assignments and perform satisfactorily on examinations.

Precalculus with Trigonometry

MA 1720 A/B

Details: Grade 11-12, Full Year, 1.0 credit **NCAA Approved Core**

Prerequisite: Geometry and Algebra II (with a grade of C- or better)

Description: This course is a continuation of advanced topics in algebra and introduction to trigonometry. The course is meant for high-ability math students interested in furthering their math education to a higher level and is a prerequisite for AP Calculus. Topics include families of functions and their graphs, trigonometric functions and graphs, trigonometric equations and identities, applications of trigonometry, parametric equations, conics, polar coordinates and equations, and matrices. Students will need a graphing calculator for this course.

Advanced Placement Calculus AB

MA 5105 A/B

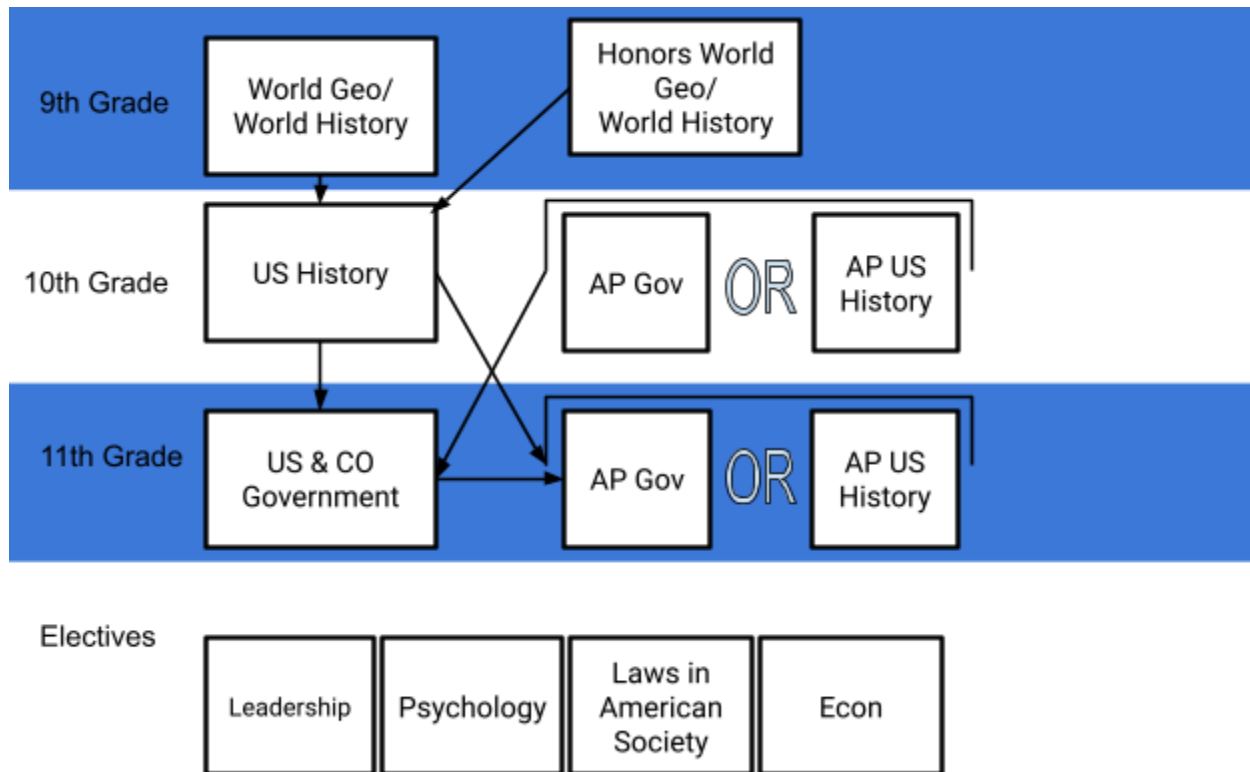
Details: Grade 11-12, Full Year, 1.0 credit, 5.0 weighted, [NCAA Approved Core](#)

Prerequisite: Pre-Calc with Trig with a grade of B- or better (teacher recommendation)

Description: This course covers topics in differential and integral calculus; limits, average and instantaneous rate of change; applications of definite and open integrals; area under a curve; and volume. Students will be expected to complete all assignments and perform satisfactorily on all examinations. Students must receive a passing grade in the first semester to continue the second semester. At the end of the school year, students may elect to take the A.P. Calculus Exam which may qualify students for one semester of college calculus credit if the test is passed. (AP Exam fee required)

Social Studies Course Descriptions

Lyons Middle Senior High School Social Studies Pathways



** AP Government and AP US History are offered on alternating years which may impact the order in which students take these courses. Elective courses are also on a rotating schedule. For details on the rotation of these courses, [click here](#) or go to Pg 23.

World Geography/World History

SS1110A/B

Details: Grade 9, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: None

Description: World Studies focuses on these eight critical areas: (1) review ancient cultures and civilizations; (2) comparing and contrasting World Religions; (3) examining Europe and the acquisition of global power; (4) investigating Latin America and how resistance to European power led to revolutions; (5) analyzing economic and political systems in Western Europe and Eurasia; (6) evaluating the effects of Imperialism, poverty and conflict in Africa; (7) the Middle East peace process and the global impacts of petroleum; (8) examining globalization challenges faced in Asia as well as the response to natural hazards. Through each of these units, students will learn about nations and their people through geography, environment, culture, history, and politics. These concepts and associated skills are aligned with the Colorado Academic Standards for social studies, incorporating 21st century skills and postsecondary and workforce readiness competencies.

Honors World Geography/World History

SS1111A/B

Details: Grade 9, Full Year, 1.0 credit, 4.5 weighted, [NCAA Approved Core](#)

Prerequisite: Teacher Recommendation

Description: This advanced course is for students who enjoy advanced readings and/or discussions on World Geography and World History. Students in this class will be scheduled within a regular World Geography section and will complete advanced coursework to receive honors credit.

US History

SS1220A/B

Details: Grade 10, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: World Geo/World History

Description: This course is designed for sophomores and offers a basic study of the historical growth of the United States from the late 19th century to the present. There is strong emphasis on how historical events have shaped present life. In this course, the student will analyze historical events and patterns and relate them to contemporary events in the U.S. Students will analyze the impact of geography on the history of the U.S., trace the development of the U.S. government and the rights and duties of citizens, and study the relationship between U.S. and World history. There will be class discussions, term papers, projects and assessment tests.

US Government/Colorado Government

SS1230A/B

Details: Grade 11-12, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: World Geo/World History

Description: This course is designed to prepare students for their involvement in local, state and national issues. The focus of the course includes the foundations and working structure of our government alongside economic components. A study of the history of the Colorado government is included. Research, projects and current events will be used to meet course objectives. A variety of assessments will be utilized.

AP US History

SS5310A/B

Details: Grade 10-12, Full Year, 1.0 credit, 5.0 weighted, [NCAA Approved Core](#)

Prerequisite: Teacher recommendation

Description: AP US History (1492 – present) is a challenging college-level course and has the goal of preparing students for the AP exam in May. This course surveys American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretations of original documents and historiographies, and seminar discussions/debates. Students may elect to take the AP exam for college credit/placement with qualifying score. AP exam fee applies.

AP US Government

SS5305A/B

Details: Grade 10-12, Full Year, 1.0 credit, 5.0 weighted, [NCAA Approved Core](#)

Prerequisite: Teacher recommendation

Description: *Some introductory reading will be expected over summer.* AP Government is intended to offer an extension of the existing Social Studies offerings. The primary focus of the curriculum is the structure and function of the US Government although foreign and local governments will be analyzed as well. This should be seen as a college-level course (rather than college-prep) and has the obvious goal of preparing students for the AP exam in May. Although class discussion, debates, and simulations will make up a large part of the course experience, assessments will also include essay questions and multiple choice tests over each unit. Students may elect to take the AP exam for college credit/placement with qualifying score. AP exam fee applies.

Social Studies Department Elective Courses

Psychology

SS 2120

Details: Elective Credit Only, .5 Credit, One Semester, Grade 9,10,11,12 [NCAA Approved Core](#)

Prerequisite: None

Description: Psychology is designed to introduce students to the systematic and scientific study of human behavior and mental processes. Students will be exposed to the psychological facts, principles and phenomena associated with the major subfields within psychology. They will also learn about the methods psychologists use to monitor and evaluate psychological processes. Evaluation will be based on a combination of student and class projects, objective tests, presentations, and class participation.

Economics

SS 2105

Details: Elective Credit Only, .5 Credit, One Semester, Grade 9,10,11,12 [NCAA Approved Core](#)

Prerequisite: None

Description: Economics is the study of how people choose to use scarce resources to satisfy their wants. Economics analyzes how individuals, businesses, governments, and societies use these resources. The course will analyze how current events play a role in economic issues. The course will also examine the stock market and allow students to play a stock market game. Students choosing to take "We The People" will take Economics S1, S2.

Law in American Society

SS2140

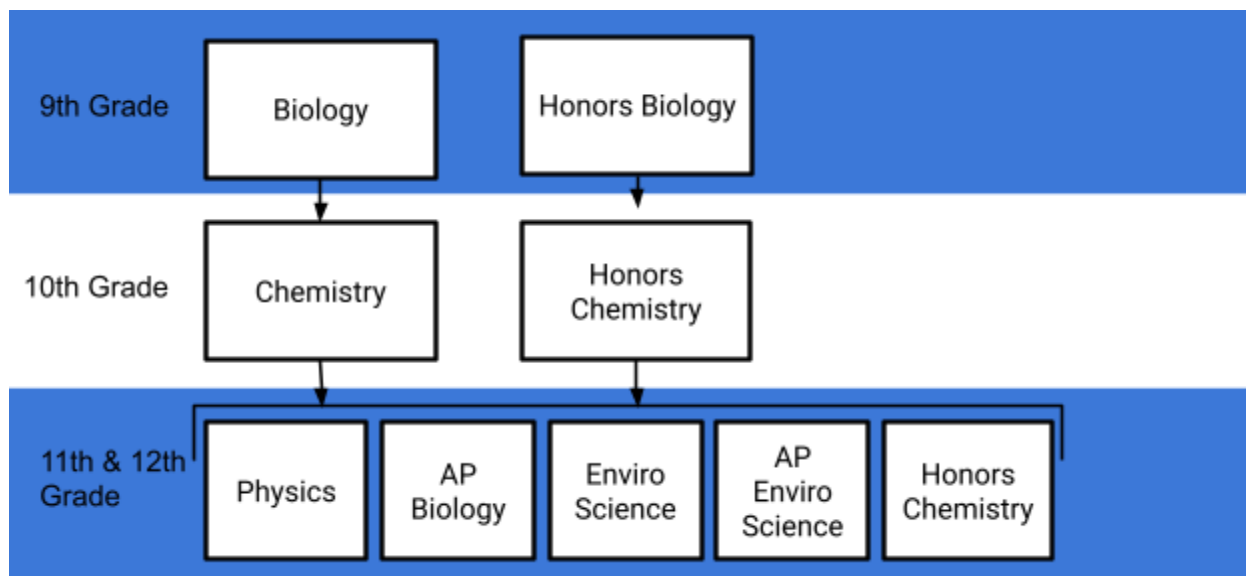
Details: Elective Credit Only, .5 Credit, One Semester, Grade 9,10,11,12 [NCAA Approved Core](#)

Prerequisite: None

Description: This course provides practical information and problem-solving opportunities regarding the law. Students develop both knowledge of the law and skills necessary for survival in our law based society. Students engage in active learning experiences such as mock trials, moot courts, role play, case studies, simulations and small group exercises. Students explore the definition of law, citizen rights and responsibilities under the law, broad structures and workings of the court system, as well as identify and analyze public issues.

Science Course Descriptions

Lyons Middle Senior High School Science Pathways



Biology

SC1120A/B

Details: Grade 9, Full Year, 1.0 credit, \$10 Fee, [NCAA Approved Core](#)

Prerequisite: None

Description: This lab-based course develops the inquiry and critical thinking skills of students. Students learn the structure and function of living things and their relationship to the environment. Students are exposed to biological knowledge that is important for being an informed and contributing citizen in today's society.

Honors Biology

SC1121A/B

Details: Grade 9, Full Year, 1.0 credit, 4.5 weighted, \$10 Fee, [NCAA Approved Core](#)

Prerequisite: A or B in 8th Grade Science or Teacher Recommendation

Description: This lab based advanced course is for students who enjoy the natural sciences. While the curriculum includes standard biological concepts, they are taught in a more advanced depth and a challenging level of understanding.

Chemistry

SC1130A/B

Details: Grade 10, Full Year, 1.0 credit, \$10 Fee, [NCAA Approved Core](#)

Prerequisite: None

Description: Chemistry is intended for students who plan to pursue careers in a field other than science. This lab-based course features activities that give students practice in applying their knowledge of chemistry to real-life situations. Key scientific principles are introduced through laboratory-based experiments. This course requires less extensive math skills than Honors Chemistry. The emphasis of this course is on the practical application of chemistry rather than mathematical problem solving.

Honors Chemistry

SC1135A/B

Details: Grade 10 (Honors Chem), Full Year, 1.0 credit, 4.5 weighted for Honors Chem, \$10 Fee, [NCAA Approved Core](#)

Prerequisite: Algebra I

Description: This course is designed for students who have an interest in science, especially the Physical Sciences. The course covers general areas of atomic structure, chemical bonding, chemical reaction and their equations, acids and bases, gas laws, reaction rates, and equilibrium. The course includes laboratory experiments, scientific processes and practical application of chemistry.

Environmental Science

SC2120A/B

Details: Grade 11-12, Full Year, 1.0 credit, \$10 fee, [NCAA Approved Core](#)

Prerequisite: None

Description: This applied science course examines the critical environmental issues facing the 21st Century, including pollution problems, overpopulation, depletion of natural resources, and global biodiversity decline. The focus of this class is on developing scientifically-based solutions to these problems. In-class work requirements include homework from various environmental sources, quizzes on class discussions, and reports on ecological problems. Additionally, significant time is spent conducting lab investigations inside and outside the classroom on field trips and projects related to environmental issues.

AP Environmental Science

SC5100 A/B

Details: Grade 11-12, Full Year, 1.0 credit, weighted 5.0, \$10 fee, [NCAA Approved Core](#)

Prerequisite: A or B in Algebra I, Geometry, Biology, and Chemistry. Concurrent enrollment in Algebra II

Description: This laboratory science course provides students with the scientific 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 risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The following themes provide the foundation for this course: Science is a process, energy conversions underlie all ecological processes, the earth itself is one interconnected system, humans alter natural systems, environmental problems have a cultural and social context, and human survival depends on developing practices that result in sustainable systems. This course prepares students for the

Environmental Science Advanced Placement Examination. Students may elect to take the AP exam for college credit/placement with qualifying score. AP exam fee applies.

AP Biology

SC5210 A/B

Details: Grade 11-12, Full Year, 1.0 credit, weighted 5.0, \$10 fee, [NCAA Approved Core](#)

Prerequisite: A or B in Algebra I, Geometry, Biology, and Chemistry. Concurrent enrollment in Algebra II

Description: AP Biology is designed to be the equivalent of a college introductory biology course. Students in AP Biology will cover topics and concepts in three main areas of molecular and cell biology, heredity and evolution, organisms and populations. Students will develop an understanding of concepts rather than memorizing terms and technical details. Essential to the conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology & application of biological knowledge and critical thinking to environmental & social concerns. Students may elect to take the AP exam for college credit/placement with qualifying score. AP exam fee applies.

Physics

SC1140A/B

Details: Grade 11-12, Full Year, 1.0 credit, \$10 fee, [NCAA Approved Core](#)

Prerequisite: Algebra I

Description: Physics is a laboratory science course designed for students who plan to pursue either non-science or science-related careers. The course is also designed for students planning to enter military or civilian technical schools. The course covers mechanics, gravity, energy, waves, electricity, and magnetism. Laboratory activities will be performed with each topic to reinforce the theory of physics and scientific practices. The emphasis in this course will be on conceptual understanding rather than on mathematical analysis of data.

Required Elective Course Descriptions

Health

H1100

Details: Recommended Grade 9, Semester, .5 credit

Prerequisite: None

Description: This required course is designed to provide essential learning in the areas of health. The expectation is that the coursework will help in making informed decisions in regard to behaviors which affect various aspects of health and well-being. The major unit topics to be covered include Physical and Mental Wellness, Understanding Sexuality (as outlined by the Board of Education Policy), Destructive Behaviors and Addictions, and Safety and Well-Being.

Personal Financial Literacy

SS1440

Details: Recommended Grade 9, Semester, .5 credit *Does not meet NCAA eligibility requirements

Prerequisite: None

Description: Personal Financial Literacy focuses on four critical areas: (1) designing and analyzing financial plans for short and long-term goals; (2) analyzing spending, saving, and investment options; (3) analyzing the components of credit and debt; and (4) identifying, developing, and evaluating risk-management strategies. The course emphasizes the analytical and evaluation skills to become “fiscally fit.” These concepts and associated skills are aligned with the Colorado Academic Standards for Social Studies, incorporating 21st century skills and postsecondary and workforce readiness competencies.

Fine Arts Course Descriptions

Beginning Drawing

A1211

Details: Grade 9-12, Semester, .5 credit, \$25 supply fee

Prerequisite: None

Description: This class focuses on realistic drawings with understanding of the mechanics of light, shadow, and proportion. This approach allows beginning students to develop technical and compositional skills to make drastic improvements in their drawing abilities and more experienced artists to refine their skills. Drawing projects are taught through various techniques such as right brain drawing, grid drawing, value gradients, portrait art, and still life. Mediums covered may include graphite, charcoal, pen and ink, color pencil. This course can be taken more than once.

Beginning Painting

A1401

Details: Grade 9-12, Semester, .5 credit, \$25 supply fee

Prerequisite: None

Description: Students will explore basic painting techniques including color theory, color wheel, value scales, use of brushes, preparing canvas, paint application, teacher-directed painting, and additional projects. Several paintings will be completed over the semester.

Beginning Digital Photography

A1521

Details: Grade 9-12, Semester, .5 credit, \$25 supply fee

Prerequisite: None

Description: Welcome to Digital Photography and Image Editing! This course explores the art of photography using cell phones, innovative applications, and occasional use of a 35mm digital camera. Learn to capture outstanding photographs and master image editing with Photoshop. Gain essential skills in both photography and post-processing. Develop a creative edge and meet deadlines independently in this dynamic learning environment.

2D Design

A1810

Details: Grade 9-12, Semester, .5 credit, \$25 supply fee

Prerequisite: None

Description: This is a beginning level class focusing on the principles (harmony, unity, emphasis, movement, rhythm, pattern) and elements (line, shape, form, value, texture, color, and space). Students will learn to see and think like an artist. Mediums covered may include pencil, watercolor, charcoal, tempera, etc. Students are expected to demonstrate consistent improvement in the application of skills taught, a positive attitude, and good work habits.

3D Design

A1820

Details: Grade 9-12, Semester, .5 credit, \$25 supply fee

Prerequisite: None

Description: This course serves as an introduction to the area of three dimensional design and will emphasize basic techniques, as well as the elements and principles of art. Various prominent artists will be discussed. Students are expected to demonstrate consistent improvement in the application of skills taught, a positive attitude, & good work habits. Students may work in stone, clay, metal, & wire.

Beginning Ceramics

A1101

Details: Grade 9-12, Semester, .5 credit, \$25 supply fee

Prerequisite: None

Description: This course will provide an in-depth study of ceramics using stoneware clay. Techniques may include pinch, coil, slab, wheel throwing, and glazing. Students will be encouraged to create original designs while producing useful and/or decorative objects.

Instrumental Music

Concert Band

MU1101A/B

Details: Grade 9-12, Full Year, 1.0 credit

Prerequisite: None

Description: This course is designed for students who have attained a minimum level of proficiency on a band instrument as determined by the director. Its intent is to develop performance skills through concert band, pep band, and marching band so that students may in turn develop a higher appreciation for instrumental music. This course is also intended to enhance students' character traits, with emphasis placed on personal responsibility and teamwork. Students are required to participate in all scheduled performances in and out of school, such as concerts, pep band performances, parades, and contests.

Jazz Band

MU1201A/B

Details: Grade 9-12, Full Year, 1.0 credit

Prerequisite: Concurrently taken with Concert Band, Audition Required

Description: This course is open to all students who have experience on jazz or blues related instruments, and membership is limited to the instrumentation of standard jazz big-band. This course emphasizes the development of rhythmic and counting skills as well as understanding of music/jazz theory. Students will learn how to improvise, a skill unique to jazz performance. Members of Jazz Band will be expected to practice regularly at home, as the Jazz Band is considered one of the elite ensembles of the music program.

Vocal Music

Mixed Choir (Alpha Leonis)

MU2065A/B

Details: Grade 9-12, Full Year, 1.0 credit, \$20 class fee

Prerequisite: None

Description: Alpha Leonis is a mixed-voice choral ensemble that teaches and promotes vocal music through rehearsal and performance, integration of music theory, listening skills, performance evaluation, and exposure to a wide variety of music also emphasized. Students are required to participate in all scheduled performances in and out of school. Performance outfit required. Students must enroll in both fall and spring semesters.

Select Choir (Sapphire Singers)

MU2080A/B

Details: Grade 9-12, Full Year, 1.0 credit, \$20 class fee

Prerequisite: Audition

Description: Sapphire Singers integrates both singing and dancing into performance, perfecting show numbers for concerts, contests and festivals throughout the year. Students are expected to maintain a high level of quality vocal technique while performing choreography and dramatic elements. Performance outfit required. Students are required to participate in all scheduled performances in and out of school. Students must enroll for both fall and spring semesters. Auditions for Show Choir typically take place in March.

Other Fine Arts Electives

History of Rock & Roll

MU2305

Details: Grade 9-12, Semester, .5 credit

Prerequisite: None

Description: Are you ready to ROCK? This class will study one of the most influential forces of the 20th century: rock and roll music! Emphasis will be placed on understanding the social and cultural contexts of various forms of popular music. The format of the class involves powerpoint presentations, video examples, research projects, relevant movies, and lots & lots of listening to Rock and Roll music of all eras. Course content will include some adult material so students will be asked to sign a release form upon entering the class.

Guitar

MU2201

Details: Grade 9-12, Semester, .5 credit, \$25 fee

Prerequisite: None

Description: This is a beginning/intermediate course in traditional guitar technique. Students will learn varying guitar styles including classical, blues and rock. They will learn to read and write

musical notation, chord symbols and tablature. Upon completion of this class students will be able to perform three chord blues & rock progressions, simple melodies, finger picking techniques and various chord progressions to popular songs. Students will also learn about the history of guitars and its use in other cultures. Guitars are not provided; students must provide their own guitar (acoustic is preferred; electric is allowed but only without amplification) unless enrolled in the free & reduced lunch program.

World Language Course Descriptions

Spanish I

WL1151A/B

Details: Grade 9-12, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: None

Description: This course is designed for students who desire an introduction to a second language. The intent is to expose students to the four basic language skills: listening, speaking, reading, and writing. Students will also focus on cultural understanding (comparing and contrasting Hispanic cultures with theirs). By the end of the year, students will be able to discuss: family life, hobbies, sports, their classes, (ordering) food and other basic events in daily life.

Spanish II

WL1152A/B

Details: Grade 9-12, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: Spanish I with a C- or better

Description: For students who have completed Spanish I, this course reinforces the basic language skills and further develops the student's ability to communicate in a second language. Using more complex patterns of communication, the student will be able to talk and write about his/her childhood, tell stories in the past, make purchases while shopping, discuss daily routines in addition to continuing to learn about cultural similarities and differences. Ninth grade students who have completed the Middle School Spanish class successfully and passed a competency examination may be admitted to Spanish II.

Spanish III

WL1153A/B

Details: Grade 9-12, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: Spanish II with a C- or better

Description: This course provides opportunities to synthesize their previous knowledge within the five strands: listening, reading, writing, speaking, and culture. The five strands are refined as the student becomes more involved in literature, art, music, and Latin American and Spanish history. Spanish is the primary language of the classroom with students communicating solely in the second language so that they can succeed in everyday situations. By the end of the year, students will be able to talk about important ideas that affect them, their society and their world. Some of the topics discussed include art, the media, ancient civilizations and their role in the community.

Spanish IV

WL1154A/B

Details: Grade 9-12, Full Year, 1.0 credit, [NCAA Approved Core](#)

Prerequisite: Spanish III with a C- or better

Students will advance their Spanish skills through literature, film, and other relevant media sources. Spanish 4 will continue an in-depth study of complex grammar points encountered in the first three years of language study, including the preterite, imperfect, future, conditional, present subjunctive, perfect tenses, and past subjunctive. Additionally, there will be vocabulary acquisition through the study of the core topics and through readings. Assessment will be based on performance in the areas of writing, speaking, listening, and reading comprehension. Class activities will include oral presentations, journals, papers, grammar instruction, and vocabulary acquisition. *Students will participate in Spanish in classroom activities.*

Advanced Placement (AP) Spanish

WL5210A/B

Details: Grade 11-12, Full Year, 1.0 credit,, [NCAA Approved Core](#)

Prerequisite: Spanish III with a grade of A or B

Description: AP Spanish is a college-level course and provides motivated students with a wide variety of opportunities to develop advanced Spanish language skills. While students are exposed to the literature, history and the culture of the Spanish-speaking world, emphasis is placed on developing proficiency in self-expression, communication and critical thinking. Students will read a variety of short stories, literary excerpts, listen to recorded stories, watch movies, participate in discussions, role play, storytelling and perform a number of writing tasks. Summer reading and/or a summer project is a mandatory part of this class. Students must receive a passing grade in the first semester to continue in the second semester. This course specifically prepares students for the AP Spanish Language Examination. Students may elect to take the AP exam for college credit/placement with qualifying score. AP exam fee applies.

Physical Education Course Descriptions

High School Core PE

PE1100

Details: Grade 9-12, Semester, .5 credit

Prerequisite: None

Description: In High School, instructional time should focus on six critical areas: (1) Participating at a competent level in a variety of lifelong physical activities and understanding the cognitive impact of movement, (2) Applying rules, principles, problem-solving skills and concepts to traditional and nontraditional movement settings, (3) Establishing goals based on fitness assessment data as well as developing, implementing, achieving, and monitoring individual health and fitness plans, (4) Participating regularly in health-enhancing physical activities, (5) Demonstrating responsible behavior and respect for others as well as collaboration, cooperation, and leadership skills, (6) Understanding the risks and safety factors that may affect participation in physical activity and demonstrating knowledge of safety and emergency response procedures. Activities may include but are not limited to: resistance training, plyometrics, interval training, circuit training, Zumba, yoga, basketball, soccer, flag football, speedball, softball, ultimate frisbee, rugby, lacrosse tennis, badminton, speedminton, volleyball, golf, and disc golf. These concepts and associated skills are aligned with the Colorado Academic Standards for Physical Education, incorporating 21st century skills and postsecondary and workforce readiness competencies.

Iron Works

PE1131

Details: Grade 9-12, Semester, .5 credit

Prerequisite: None

Description: This is an introductory-level course designed to familiarize students with weight room procedures, safety precautions, and various lifting techniques. This course may include but is not limited to strength training/muscular endurance through the use of free- and machine-weights, plyometrics, speed training, agility development and fitness activities.

Technology Course Descriptions

Computer Science

CS1220A

Details: Grade 9-12, Semester, .5 credit, \$15 class fee

Prerequisite: None

Description: Discover the fundamentals of programming with Java and Python using the CodeHS curriculum. This course equips students with essential coding skills, from mastering language syntax to building apps and web pages. Ideal for those pursuing technical majors, it demystifies programming languages and provides a solid foundation for advanced studies. Gain proficiency in two major languages and unlock the door to a world of possibilities in computing.

Stage Tech

PA1311

Details: Grade 9-12, Semester, .5 credit, \$20 class fee

Prerequisite: None

Description: This is an entry-level class in basic backstage skills and knowledge. This class focuses on terminology, safety, basic lighting, basic sound engineering, prop and set design, and basic stage management. In order to utilize skills that students will be learning, students will be required to assist with sound and lighting for choir, band and drama productions. This will require an outside of class commitment.

Music Technology

PA2021

Details: Grade 9-12, Semester, .5 credit, \$15 course fee

Prerequisite: None

Description: This course is an introduction to basic music technology applications. Students will explore the history and basics of music technology and synthesizers, learn about sound mixing and using a soundboard, and learn how to compose and mix their own electronic music in GarageBand.

Technology: Data Science

CS1135

Details: Grade 9-12, Semester, .5 credit, \$15 class fee

Prerequisite: None

Description: This course is for students interested in technology, engineering, computer science, and science. It equips them with crucial data science skills, focusing on analyzing large datasets and current local data collection. The curriculum includes hands-on sensor work in environmental sciences and application of data to real-world problems. This multidisciplinary course provides a solid foundation for future careers in environmental science, statistical analysis, social and forensic science, biology, or engineering.

Other Elective Course Descriptions

Community and Local Leadership

SCL1111

Details: Grades 9-12, Semester, .5 credit, \$10 course fee

Prerequisite: None ****Strongly recommended for students in Science and Leadership.****

Description: This course is part of our leadership program designed to cultivate and amplify the leadership potential within individuals. Whether you're a seasoned leader looking to enhance your skills or an aspiring leader seeking to develop a strong foundation, this course provides a comprehensive exploration of leadership principles, strategies, and practical tools.

Participants will embark on a journey of self-discovery, gaining insights into their unique leadership style and strengths. The course delves into essential leadership competencies, including effective communication, strategic decision-making, team building, and adaptive leadership in today's rapidly changing world. Students focus on public speaking, presentation skills and success in all academic areas.

Yearbook

LA2429A/B

Details: Grade 10-12, Full Year, 1.0 credit

Prerequisite: Teacher Recommendation/ Application

Description: This course is designed for students who have a sensitivity to effective communication through both visual and verbal creativity, and who, therefore, have a desire to serve on the yearbook staff. Its intent is to give students the experience of planning, financing, and publishing a yearbook. The course includes all aspects of yearbook publication, such as selling advertisements, writing copy, photographing, designing, and page layout using computer technology. Students are expected to participate in all phases of yearbook production and to contribute in a positive manner to the group effort.

Teacher Aide

MS1206

Details: Grade 9-12, Semester, .25 credit, pass/fail grading

Prerequisite: Application and teacher approval

Description: Assisting teachers for an hour per day is always an alternative way for students to earn credit. Student aides receive .25 credit per semester due to the fact that aiding is not as rigorous as a regular academic class. Students may repeat this course. Regular attendance is a critical component of this course.

Office Aide

MS1208

Details: Grade 9-12, Semester, .25 credit, pass/fail grading

Prerequisite: Application and office staff approval

Description: Assisting the office for a period per day is always an alternative way for students to earn credit. Office aides receive .25 credit per semester due to the fact that aiding is not as rigorous as a regular academic class. Students may repeat this course. Regular attendance is a critical component of this course.

Assistant Media (Library Aide)

MS1205

Details: Grade 9-12, Semester, .5 credit, pass/fail grading

Prerequisite: Application and Librarian approval

Description: Assisting the Library for a period per day is always an alternative way for students to earn credit. Library aides receive **.5 credit per semester** due to the fact that aiding for the Library requires more assistance than teacher/ office aide. Students may repeat this course. Regular attendance is a critical component of this course.

Work Study

MS2270

Details: Grade 11-12, Semester, .5 credit, pass/fail grading

Prerequisite: Parental, work supervisor, and counselor approval

Description: Earn credit while you work. To be eligible, students must be juniors or seniors (any exception requires principal approval). Students are required to sign a contract stating they work at least 15 hours per week per semester or a total of 270 hours (at one job location), and that they will turn in quarterly evaluations from their employer in a timely manner in order to receive credit.

Additional Satellite Offerings

Details

Our globalized world and the strong foundation of technology and other infrastructures in St. Vrain has allowed our students to have access to other course offerings outside of our traditional building. These offerings provide students with a personalized learning opportunity that is meant to support students through their post-secondary education and help them have a competitive advantage in either college or career avenues.

These opportunities help give Lyons students access to multiple educational opportunities in various formats. It is strongly recommended that rising juniors and seniors take advantage of these opportunities although some of these courses may be available to freshmen and sophomores.

SVVSD AGILE

Details: **AGILE** stands for "**Advanced Global Innovative Learning Environments**." AGILE courses are offered virtually within the St. Vrain Valley School District. Students enrolled in these courses will report to their home high school and log into a state-of-the-art virtual learning system. The course is taught by a St. Vrain teacher at one of our high schools.

****Offered virtually within the St. Vrain Valley School District. Space is limited based on district availability. Availability of course will be confirmed and communicated to students and families in the Spring once registration has been finalized.***

A2020A & A2020B Art History (this is a year-long class) (St Vrain Launch Ed)

Grades 10-12 2 semesters/1.0 credit

Fine Art Elective

Students will journey through time to learn how art and architecture have reflected various cultures from Paleolithic times through Ancient Egypt, Greece, Rome, and the Renaissance. In the second semester, students will continue their exploration of art and architecture through time and across cultures starting with the Renaissance, through Impressionism, and ending with the present day.

A5310A & 5310B AP Art History (this is a year-long class) (St Vrain Launch Ed)

Grades 10-12 2 semesters/1.0 credit

Fine Art Elective

AP Fee Required

Estimated homework: Up to 45 minutes per class

The AP Art History course is equivalent to a two-semester college survey course exploring the nature of art, art making, and responses to art. By investigating the specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, students develop an in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience research, discuss, read, and write about art, artists, art making, responses to, and interpretations of

art. While you will earn a fine art elective credit for this class, this is an Art History class. This is not a traditional art class; the ability to draw/paint is not a requirement to be successful.

AP Computer Science Principles (Niwot High School)

CS5110 A/B

Details: Grade 9-12, Full Year, Weighted 5.0, Practical Arts Credit

Prerequisite: Intro to Programming or two years of middle school programming

AP Exam: AP Exam Fees apply

Description: Computer science is everywhere, from our smartphones and video games to music, medicine, and much more. AP Computer Science Principles (AP CSP) can help you understand how computing and technology influence the world around you. Learn how to creatively address real-world issues while using the same tools and processes that artists, writers, computer scientists, and engineers use to bring ideas to life. This intermediate class is designed for students already familiar with basic programming. The course covers the fundamentals of computing, including problem-solving, working with data, understanding the Internet, cybersecurity, and programming. Broadening your understanding of computer science for use in a diversity of majors and careers using Javascript/HTML and CSS.

AP Computer Science A (Silver Creek High School & Niwot High)

CS5010 A/B

Details: Grade 10-12, Full Year, Weighted 5.0, Practical Arts Credit

Prerequisite: Students should have 2 years of experience coding and a solid understanding of object-oriented programming

AP Exam: AP Exam Fees apply

Description: The goals of this course are comparable to a first-year college course in Computer Science. It emphasizes hands-on-programming in Java to teach students rigorous object-oriented programming and program development and to prepare students to take the College Board AP Computer Science An examination. Systematic analysis of large-scale computer programs, as well as troubleshooting, problem-solving, and algorithm development skills are included in this course to help prepare students for both college/university programming and/or computer-related careers. Students will be evaluated through programs they create, along with regular practice tests and quizzes.

CTE 80120: Intro to Cybersecurity (Innovation Center)

Grades: 9, 10, 11, 12

Prerequisites: None

Description: *Step into an exhilarating journey of cybersecurity like never before!* This dynamic course is your ticket to mastering the art of shielding yourself and businesses from digital threats. From unraveling the mysteries of encryption to deciphering hacker tactics in Types of Attacks, you'll explore Citizen Security, Networking, Cyber Defense, Ethics and Law, and Risk Management in an engaging and hands-on way. Get ready to wield industry tools, unlock the secrets of the digital realm, and emerge as a skilled digital defender. This course isn't just about learning—it's about becoming the cyber-hero the world needs!

CTE 85110: Principles of Biomedical Engineering (Innovation Center)

0.5 Credit

Grades: 10, 11, 12

Prerequisites: *Biology, Chemistry, Algebra–Concurrent Enrollment with CSU*

Description: This lecture-based course through Colorado State University exposes students to how mechanical engineering, chemical/biological engineering, and electrical engineering principles can be applied to current biomedical challenges. The course also introduces current research efforts at CSU, BME career opportunities, team dynamics, and accessing/reading academic literature – all of which will be valuable as the student progresses through their interest area. Students will also be able to go through the process of solving an engineering problem by designing and building a prototype and then presenting a product concept to various audiences at CSU.

CTE 9072: Principles of Marketing (Erie HS)

0.5 Credit

Grades: 10, 11, 12

Prerequisites: TBD

Description: TBD

CTE9450 Education Exploration (Mead High School)

0.5 Credit

PREREQUISITE: None

FEE: None

Education Exploration is a semester-long course designed to provide students with an overview of professions within the field of education. Students will explore the many varied careers in education including teacher, administrator, counselor, and district personnel to name a few. Guest speakers will enhance the understanding of classroom planning, licensure requirements, and career opportunities within school systems. This course includes a minimum of 15 extended learning hours, which may occur outside of class time. This course is an ideal segway into the district's [P-Teach program](#), where prospective educators can earn college credit.

CETC 9090 Introduction to Law A/B (CETC)

Grades 10-12 2 Semesters/1.0 Credit

Prerequisite: None

Designed to give students a broad overview of US law, this course introduces basic legal topics and thinking critically through fast-paced, highly interactive, and fun discussions, debates, and activities. Here, students build confidence as they learn how to read and analyze court decisions and statutes, perform legal research and write memoranda, and prepare and act as attorneys in mock trials and arguments. Units include Constitutional Law, Torts (civil wrongs), Criminal Law, Contracts, Business Law, and Ethics.

CETC 9091 Introduction to Criminal Justice A/B (CETC)

Grades 10-12 2 Semesters/1.0 Credit

Prerequisite: None

Criminal law, law enforcement, the court system, punishment and accountability are each explored in this course. Through discussions, activities, and real life case studies, students will examine and

analyze the criminal justice system in depth. Critical thinking, reading, writing, and speaking with confidence and clarity- valuable skills regardless of career path- will be emphasized.

MA5110A & 5110B AP Calculus BC (year long class) (Erie High School)

Grades 11-12 2 semesters/1.0 credit **NCAA Approved Core**

Prerequisite: Algebra 1, Geometry/Honors Geometry, Algebra 2/Honors Algebra 2, Honors Pre-Calc/Trig. or Pre-Calc/Trig, AP Calculus AB with teacher recommendation

AP Fee Required. *Suggested Calculator: Graphing Calculator (TI-83 or TI-84)*

Estimated homework time of one hour for every one hour of class time plus additional time for AP preparation

AP Calculus BC is designed for students intending to study mathematics, engineering, or the hard sciences in college. The course includes all the topics of AP Calculus AB plus series (power, Taylor, Maclaurin), convergence testing, partial fractions, improper integrals, differentiation and integration of parametric and vector relations. Students will be expected to complete all daily assignments and perform satisfactorily on examinations. Emphasis is on preparation for the AP Exam.

PS1405 AIMS ART 1110 Art Appreciation (Frederick High School)

Grades: 11, 12

Prerequisites: None , Fine Arts Credit

Fee: None

Introduces the cultural significance of the visual arts, including media, processes, techniques, traditions, and terminology. *****Concurrent Enrollment**

CU INTE 2000 Digital Teaching and Learning: PS3480*** (Innovation Center)

Grades: 10, 11, 12

Prerequisites: None , Weighted 5.0, Practical Arts Credit

Fee: None

Schedule: Offered fall semester of odd years (Fall 2023, Fall 2025, Fall 2027, etc.)

Description: *Are you interested in evaluating the trustworthiness of different forms of media and creating digital content of your own?* In this course, you will learn to effectively use a variety of digital tools and media for your own learning, designing lessons for your students, and sharing content with a professional learning network. If you are interested in any STEM-related field, this class will bolster your teaching skills in this area. This is a survey of technology for: (1) your own learning, informally and in classes; (2) your students' learning when you become a teacher; and (3) sharing with peers and colleagues. Use tools to address problems of equity, access, and learning needs. *****Concurrent Enrollment:** CU Denver // 3 college credits

SS5831 AP Microeconomics*(Longmont High) **NCAA Approved Core** Grades 11-12

1 semester (Fall)/.5 credit

AP Exam Fee required**SS5830 AP Macroeconomics***(Longmont High) **NCAA Approved Core** Grades 11-12

1 semester (Spring)/.5 credit

AP Exam Fee required

AP Microeconomics and Macroeconomics are similar to a freshman-level college course. The sequence is designed to give students a foundation in basic economic concepts that are essential to understanding consumer, business, and public policy decision-making. Areas of study in microeconomics include the market forces of supply and demand, competition, business organization, and consumer behavior. Macroeconomics topics include measuring the health of a nation's economy, international trade, and debate over the proper level of government interaction with the economy. In addition to providing essential knowledge for successful functioning in today's challenging economic times, this course also prepares students for the Microeconomics and/or Macroeconomics Advanced Placement Examinations.

SS5520A & 5520B AP European History (year-long class) (Erie High School) **NCAA Approved****Core** Grade 11-12 2 semesters/1.0 credit

Estimated homework expectations: 2-3 hours per week

AP Exam Fee required

This course covers European History from 1450, the High Middle Ages and the Renaissance, to contemporary events. Using debates, trials, investigative reports and other learning approaches, students examine people and issues (intellectual, artistic, political, social and economic) which shape our world today. Emphasis is on preparation for the AP exam.

St. Vrain Virtual High School Courses

Details and Information: Lyons Middle/Senior has a unique partnership with St. Vrain Virtual High School where Lyons High students can take up to 2 courses each semester through St. Vrain Virtual High School **if those courses are NOT offered at Lyons**. These courses are asynchronous courses with regular check-ins with certified teachers through FlexPoint Virtual Curriculum. Each of these courses are available for students each semester as long as they meet the requirements below.

***Students taking these courses will be scheduled a block during their schedule to work on their coursework on campus at Lyons M/S. Students enrolled in these courses must be reading at grade-level competencies identified by PSAT/SAT and/or iReady data as much of the content is reading based.*

Math

Probability and Statistics Honors [NCAA Approved Core](#)

[OLMA170A/B](#)

Details: 2 Semester, 1.0 Credit, Weighted 4.5 (Honors)

Prerequisites: Algebra 2

Description: Probability and Statistics will introduce students to exploring data, sampling, and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and employing statistical inference to analyze data and draw conclusions.

Mathematics for College Algebra [NCAA Approved Core](#)

[OLMA135A/B](#)

Details: 2 Semesters, 1.0 Credit

Prerequisites: Algebra 1 required, Algebra 2 recommended.

Description: In Mathematics for College Algebra, you will acquire skills needed for success in college-level mathematics. You will integrate critical-thinking skills, problem-solving skills, and mathematics skills as you explore expressions, equations, and functions. Within this exploration, you will interpret the viability of solutions to real-world problems at the level of algebra required for entry into college-level courses. Instructional time in Mathematics for College Algebra will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition.

AP Statistics, [NCAA Approved Core](#)

[OLMA520A/B](#)

Details: 2 Semesters, 1.0 Credit, Weighted 5.0

Prerequisites: Algebra 2

Description: Advanced Placement Statistics will introduce students to exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and employing statistical inference in order to analyze data and draw conclusions. AP exam fee applies.

Science

Anatomy and Physiology, Regular or Honors [NCAA Approved Core](#)

[OLSC240A/B](#)

Details: 2 Semesters, 1.0 Credit, Weighted 4.5 (Honors)

Prerequisites: Biology

Description: In this course students explore the organization of the human body and how it works. They will acquire knowledge necessary to understand what the body is doing and how they can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body.

Earth Space Science [NCAA Approved Core](#)

[OLSC105A/B](#)

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: Be captivated by the wonders and beauty of the third planet from our Sun, Earth. Be amazed by what awaits your discovery within our solar system and beyond. Explore the universe. Earth/Space Science is a laboratory course focusing on the study of space, geologic structures and

forces, the waters on our planet, and atmospheric conditions. Through experimentation and investigation, students explore the earth systems including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle. This course offers interactive experiences, higher-order thinking, collaborative projects, and real-world application along with a variety of assessments. Upon completion of the course, students have a clear understanding of the dynamic forces at work in the world around them, becoming better caretakers of our planet, Earth.

Marine Science, Regular or Honors **NCAA Approved Core**

OLSC135A/B

Details: 2 Semesters, 1.0 Credit, Weighted 4.5 (Honors)

Prerequisites: None

Description: Since the beginning of time, humans have relied on the ocean. But as our planet continues to change over time, human activity has impacted the environment. In the marine science course, students explore the watery depths of our own planet in order to understand just how vital the ocean is to our existence. Throughout the course, students meet marine animals and learn about their interactions with each other and their environment. Students tour the evolving seafloor, where they encounter trenches, volcanoes, and ridges. Along the way, students hang ten as they discover waves, currents, tides, and other physical interactions between the ocean and the land. Finally, students study the impacts of chemical processes on our blue planet and how they affect the water, the atmosphere, and our climate. With a focus on conservation, this course shows students that the ocean connects us all, across distance and even time. Hang on—it's going to be an amazing journey.

Physical Science, Regular or Honors **NCAA Approved Core**

OLSC110A/B (Reg) OLSC111A/B (Hon)

Details: 2 Semesters, 1.0 Credit, Weighted 4.5 (Honors)

Prerequisites: None

Description: Ever wonder why more massive objects require more force to move? Perhaps you have questioned how new substances are made or how energy is involved in changes in matter? These are some of the concepts students will be exploring in Physical Science. This course teaches the foundational concepts of physics and chemistry. Students will use scientific inquiry, interactive experiences, higher order thinking, collaborative projects, and virtual labs to build and demonstrate an understanding of physical and chemical phenomena enabling them to apply these principles to their everyday lives.

AP Physics, NCAA Approved Core

OLSC530A/B

Details: 2 Semesters, 1.0 Credit, Weighted 5.0

Prerequisites: Geometry, Algebra II (Concurrently)

Description: AP Physics I is an algebra-based, introductory physics course that will guide students through a college-level learning experience. This two-segment course is designed for students to develop an understanding of physics through rich content, engaging activities, and inquiry-based laboratory. Students will explore concepts such as analyzing motion, force interactions, energy, rotational motion, waves, and periodic motion. Students cultivate their understanding of physics through classroom study, in-class activity, and virtual and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves.

Physical Education

Fitness Lifestyle Design

OLPE110

Details: 1 Semester, 0.5 Credit

Prerequisites: None

Description: This course was designed to offer three modules of motivation for teens. The modules—Move Strong, Live Well, and Eat Healthy—guide students through learning about strength and endurance training, choosing lifetime fitness activities, and connecting nutrition to lifetime fitness. The course is filled with language and images that reflect strength and diversity to motivate teens and allow them to envision themselves committing to fitness.

Health Opportunities through Physical Education

OLPE115A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: With a focus on health and fitness, this course guides students to be active and healthy now and for a lifetime. Effective strategies and techniques are a foundation of the course so that students can continually make improvements in all areas of wellness. Students, with the guidance of a training instructor, set personal goals in four areas of wellness: physical, emotional, social, and academic. Fitness assessments enable students to establish baseline levels of fitness and work toward improvement in specific areas. At the end of each module, students submit a wellness plan documenting their daily physical activity, progress toward goals, changes in fitness assessment results, and reflections on personal progress. By following individualized training principles, students can achieve personal success and gain confidence, while they develop healthy lifestyle habits. The course uses videos, graphics, and interactive learning opportunities to encourage students to eat well, get up, and be active. Leading a healthy lifestyle is the best way to prevent health problems before they occur—this course helps students do just that. And now is the best time to get started.

Personal Fitness

OLPE125

Details: 1 Semester, 0.5 Credit

Prerequisites: None

Description: In this Personal Fitness course, students are required to participate in weekly cardiovascular, flexibility and strength and endurance activities. Students who are unable to participate in such physical exercises will be unable to complete the requirements of this course. Students who have an Individualized Educational Plan (IEP) or some other physical limitation that prevents them from participating in physical activity should seek to enroll in an Adaptive Physical Education course.

General Electives

AP Human Geography, [NCAA Approved Core](#)

[OLSS535A/B](#)

Details: 2 Semesters, 1.0 Credit, Weighted 5.0

Prerequisites: None

Description: The AP® Human Geography course is designed to provide college level instruction on the patterns and processes that impact the way humans understand, use, and change Earth's surface. Students use geographic models, methods, and tools to examine human social organization and its effect on the world in which we live. Students are challenged to use maps and geographical data to examine spatial patterns and processes and analyze the changing interconnections among people and places.

College and Career Readiness

OLMS104

Details: 1 Semester, 0.5 Credit

Prerequisites: None

Description: Students often wonder about plans for after high school. This course will show students the educational and career opportunities available to them. They will learn how to get accepted and pay for college, how to find a job, and how to plan for a successful future. Throughout the course, students will be coached by Mawi Asgedom, a Harvard graduate who was the first in his family to attend college, and is now a student leadership expert who has trained over 1,000,000 students.

Critical Thinking and Study Skills

OLMS102

Details: 1 Semester, 0.5 Credit

Prerequisites: None

Description: Critical Thinking and Study Skills teaches students how to get better grades and higher test scores, and increase their success in high school. Students who already perform well in school will learn new study skills and testing skills that will help them get even better. Students who struggle in school will learn about Success Mindsets, study skills, and testing skills to help them perform at new levels. This course teaches the ACE test-taking method to increase scores on key tests such as the ACT, SAT, and tests for graduation.

Forensic Science

OLSC230A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Biology suggested but not required [NCAA Approved](#)

Description: Take a new look at forensics through the lens of some of the world's most famous and intriguing crime cases. This course examines the latest forensic techniques and innovations used to solve crimes. It also focuses on basic scientific principles and laboratory processes used in the field, such as DNA testing, presumptive tests, and material analysis. Investigative experiences for students include electrophoresis and evidence analysis techniques such as fingerprinting, blood typing, and fiber analysis. Students also study crime scene investigation (CSI) and evidence collection using mock crime scenes. *Note that case studies in forensic science examine evidence that may be sensitive to some students

Journalism

OLLA200A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Language Arts 11 is recommended

Description: Journalism I provides students with the fundamental basics of journalism. Students begin by exploring the history of American journalism, examining different media such as print, radio, television, and internet journalism. Students learn how to write a news story, a feature story, and an editorial, with a focus on research, analyzing the reliability of sources, conducting interviews, writing leads, revising, and self-editing. Students will also take a close look at different careers in journalism, ethics in journalism, and visual layouts using technology, including web 2.0 tools.

Leadership Skills Development

OLMA110A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: In Leadership Skills Development, students build skills to succeed in high school, college, and life. Students learn to act by pressing their "Turbo Button", manage their time by staying in the "Lasting Zone", chart their goals by creating a "North Star", and many other proven leadership

techniques developed by the leadership training institute Mawi Learning. Whether students are struggling or already at the top of their game, Leadership Skills Development will give them new skills for a successful life.

Social Media

OLLA210

Details: 1 Semester, 0.5 Credit

Prerequisites: None

Description: This course will teach students that the world of Social Media revolves around them – their actions, decisions, and interests. They will examine how Social Media has evolved. They will understand how to find authenticity and truth within an online world where people can “be” anyone. They will also learn how their digital footprint makes a bigger impression than their physical one. Students will also discover that their voice is important. They are not only a reader – they are a writer. They don’t just follow the news – they report it as a citizen journalist. And they don’t just gather information – they crowdsource it.

World Languages

American Sign Language I

OLWL130A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: None

Description: This course will jump-start your American Sign Language journey by learning the basics of this visual language and exploring the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community.

American Sign Language II

OLWL131A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: American Sign Language I

Description: This course will reinforce the fundamental skills acquired in your American Sign Language I course. You will continue your journey by increasing your interpretive and communication skills of this visual language while continuing to explore the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community.

Chinese I

OLWL141A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: None

Description: Immerse yourself in the beauty of the Chinese language and the richness of its diverse cultures. In the Chinese I course; you will learn beginning grammar and vocabulary skills to help build basic fluency and language proficiency. You will explore the culture and apply what you learn through written practice, listening, and speaking exercises.

Chinese II

OLWL142A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: Chinese I

Description: Continue your journey in the exploration of the Chinese language and the richness of its diverse cultures. In the Chinese 2 course, you will sharpen the increased listening, speaking, reading, and writing skills you acquired in Chinese 2. While oral communication remains the main focus at this level, reading and writing will receive more emphasis as well. You will dive a little deeper into the culture and apply what you learn through written practice, listening, and speaking exercises.

Chinese III

OLWL143A/B

Details: 2 Semesters, 1.0 Credit, Weighted 4.0, [NCAA Approved Core](#)

Prerequisites: Chinese I and Chinese II

Description: Continue your journey in the exploration of the Chinese language and the richness of its diverse cultures. In the Chinese 3 Honors course, you will sharpen the increased listening, speaking, reading, and writing skills you acquired in Chinese 1 and 2. Communication remains the main focus through speaking, listening, writing, and reading. You will dive a little deeper into Chinese culture and apply what you learn through written practice, listening, and speaking exercises.

French I

OLWL101A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: None

Description: Immerse yourself in the beauty of the French language and the richness of its diverse cultures. In the French I course; you will learn beginning grammar and vocabulary skills to help build basic fluency and language proficiency. You will explore the culture and apply what you learn through written practice, listening, and speaking exercises.

French II

OLWL102A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: French I

Description: Salut! Get set for some more adventure! In French 2, students are immersed in the French language and culture. This course is full of engaging and interactive videos, dialogues, presentations, self-checks, and much more! The purpose of this course is to further develop the French communicative skills of listening, speaking, reading and writing. In French 2, students will broaden their French vocabulary and knowledge of grammar. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

French III

Details: 2 Semesters, 1.0 Credit, Weighted 4.5, [NCAA Approved Core](#)

Prerequisites: French I and French II

Description: Continue your journey in the exploration of the French language and the richness of its diverse cultures. In the French 3 course, you will sharpen the increased listening, speaking, reading, and writing skills you acquired in French 1 and 2. Communication remains the main focus through speaking, listening, writing, and reading. You will dive a little deeper into the francophone cultures and apply what you learn through written practice and listening, reading, and speaking exercises.

Latin I

OLWL121A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: None

Description: Introduce yourself to the culture and rich storytelling tradition of the ancient Romans through the study of classical Latin. In the Latin 1 course, you will build a foundation of grammar and vocabulary skills to help increase fluency and language proficiency. You will explore the mythology, history and culture of Rome and apply what you learn through translation practice, writing, listening, and conversation exercises, while reading Roman stories that have stood the test of time and tracing the Latin roots that run through modern language and culture.

Latin II

OLWL122A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: Latin I

Description: Immerse yourself in a journey through Roman history using the Latin language as your guideposts. In the Latin 2 course, you will build upon your first level grammar and vocabulary skills to help increase fluency and language proficiency. You will explore the culture and apply what you learn through translation practice as well as writing, listening, and conversation exercises, while learning all about the different eras of Rome—from Foundation to Fall.

Latin III

OLWL123A/B

Details: 2 Semesters, 1.0 Credit, Weighted 4.0, [NCAA Approved Core](#)

Prerequisites: Latin I and Latin II

Description: Continue your journey through the culture and history of the ancient Romans through the study of classical Latin. In the Latin 3 course, you will build upon your Latin 1 and 2 foundations of grammar and vocabulary skills to help increase fluency and language proficiency. You will explore the history, culture and myth of ancient Rome through its rich literary tradition. You will apply what you have learned to translation practice, writing, listening, and conversation exercises –bringing to life Roman poetry and prose written thousands of years ago.

Hebrew I

OLWL161A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: None

Description: Immerse yourself in the beauty of the Modern Hebrew language and the richness of its diverse cultures. In the Hebrew I course, you will learn beginning grammar and vocabulary skills to help build basic fluency and language proficiency. You will explore the culture and apply what you learn through novice written practice, listening, reading, and speaking exercises.

Hebrew II

OLWL162A/B

Details: 2 Semesters, 1.0 Credit, [NCAA Approved Core](#)

Prerequisites: Latin I

Description: Get ready to embark on the next leg of your journey to Hebrew fluency. In the Hebrew 2 course, you will continue building your listening, speaking, reading memorized phrases, and writing skills as well as increasing your cultural awareness of Israel through audio recordings, engaging images, interactive games, and readings. Apply what you learn through written practices and listening and speaking exercises. Take your Hebrew language skills to the next level!

[Fine Arts](#)

Digital Art Imaging I

OLFA125A/B

Details: 2 Semesters, 1.0 Credit,

Prerequisites: None

Description: You interact with digital art every day, why not learn how to create it? In Digital Art Imaging I, you will explore the fundamental concepts, tools, and techniques of digital imaging. You'll learn how to use computers, digital cameras, editing software, and more to create digital artworks and use the critique process to grow artistically as you evaluate and respond to your own work. This course provides elective credit and fulfills a performing/fine art requirement for high school graduation.

Music of the World

OLMU110A/B

Details: 2 Semesters, 1.0 credit

Prerequisites: None

Description: Get ready to elevate your music knowledge to the next level. In this course, you will learn about Global musical traditions as you explore the function of music in a multitude of cultures. You will examine the fundamentals, sound, and structure of music to understand how music is representative of the culture it was created in. This course provides elective credit and fulfills a performing/fine art requirement for high school graduation.

Theatre, Cinema and Film Production

OLTH110A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: Lights, camera, action! In Theatre, Cinema, and Film Production, students explore the elements of theatre and cinematic techniques used by those who create performance productions. Students compare the elements in theatre and film that serve the story and articulate the theme. Students also reflect upon the historical and cultural influences on productions and how those influences affect audiences. This course offers a detailed view of the creative, performance, and technical operations of theatre and film. Theatre, Cinema, and Film Production provides an elective credit and fulfills the performing/fine art requirement for high school graduation.

Practical Arts

Agriscience Foundations I

OLMS221A/B

Details: 2 Semesters, 1.0 Credit,

Prerequisites:

Description: Agriscience Foundations involves the scientific study of agriculture and its local and global impact. Students will dive into agricultural history, learn about scientific and research concepts that drive the field, animal and plant systems, as well as the effects of agriculture on the environment. This course also teaches about career opportunities available in the field and how students can promote themselves to land a dream job. Specialized lab activities provide students the hands-on practice needed to master the content, and they will have the unique experience of interviewing an agriscience worker related to a career of interest. At the end of the course, students have the opportunity to earn an industry certification! This course was written with both agriculture and science standards.

Agricultural Communications II

OLMS225A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Agriscience Foundations I recommended

Description: Agricultural Communications II prepares students with specialized knowledge in agriculture and media as they learn to design and develop marketing materials, engage in the community, and address needs of agricultural producers and consumers in a moral and ethical way. Students write news stories, compose photographs, create publications, and develop audio and video press materials. They also practice presenting speeches and visual presentations, developing real-world skills that apply across career fields. Throughout the course, students explore opportunities and develop employability skills to prepare for a career in the agricultural communication field.

Agricultural Communications III

OLMS226A/B

Details: 2 semesters, 1.0 Credit

Prerequisites: Agriscience Foundations 1, Agricultural Communications 2

Description: As the global need for agricultural products grows, so does the need for effective communication between consumers and producers. Agricultural Communications 3 combines agricultural topics and science with the application of communication studies. Students continue the study of visual, verbal, and written techniques to communicate agricultural information to consumers, businesses, and government agencies. This course will provide real-world practice in writing, speaking, photography, graphic design, and web communication to prepare students to report and present agricultural topics with detailed knowledge aimed to gain attention. Students will create a communications campaign, learn how to use social media to deliver communication messages, prepare a media kit, produce persuasive videos, modify photographs, create a web page, and effectively use their voice to present and debate agricultural topics.

Criminal Justice Operations I

OLMS272A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: Explore the fields of law enforcement, the court system, and the correctional system. You will acquire technical skill proficiency, industry knowledge, higher-order reasoning and problem-solving skills, general employability skills, and occupation-specific skills needed in all aspects of law, public safety, and security careers. This course provides elective credit. Due to the nature of criminal justice, the material can be graphic. This course is a part of the Career and Technical Education catalog.

Health Science

OLMS290A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Anatomy & Physiology Preferred

Description: Step into the Health Science Foundations course and learn what it takes to be a healthcare professional. This course is designed to provide the student with in-depth knowledge of the health care system and introduce them to various occupations in the field. Students will explore the educational requirements, licenses, and certifications for careers at multiple levels within the healthcare system. The learning focuses on communication and interpersonal skills, use of technology, ethics, and the development of critical thinking and problem-solving skills. Students will also learn first aid skills and how to assess vital signs. Health Science Foundations is part of the Secondary Health Core.

Human Growth & Development

OLMS292A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Introduction to the Teaching Profession (suggested)

Description: In this course, you'll learn about human growth development from infancy through adolescence, including ways to plan for working with students through those stages. You'll learn about different theories of development, as well as how to apply those theories to meet the varying needs of students in your classroom. You'll also learn what can affect a student's development, including health and safety concerns, heredity, and their environment. By continuing to develop a portfolio and participating in field observations, you'll observe children of various ages to see first-hand how teachers make the connection between theory and the classroom.

Introduction to Hospitality & Tourism

OLMS280A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: Introduction to Hospitality and Tourism dives into the numerous career avenues and business opportunities of the hospitality and tourism industry. Students will learn about airline, hotel, and cruise ship industries in addition to customer service and selling techniques. This course prepares students to launch their career in hospitality and tourism, with projects and take-aways for immediate use to help land their dream job.

Introduction to the Teaching Profession

OLMS285A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: Have you ever watched one of your teachers and thought, “I’d like to do that!” If so, this is the course for you! This course is designed to explore what it takes to be a teacher, whether you work in a classroom, a hospital, or a corporate setting. You’ll learn about the history, purposes, issues, ethics, laws and regulations, roles, and qualifications of teaching. During the course you will participate in a minimum of 20 hours of guided observations and field experiences in multiple settings to help you identify your personal interest in pursuing careers in the field and to identify effective learning environments. You will begin to develop a working portfolio to be assembled and used throughout the program.

Parenting Skills

OLFS110A/B

Details: 1 Semester, 0.5 Credit

Prerequisites: None

Description: What is the best way to care for children and teach them self-confidence and a sense of responsibility? The process of parenting involves more than having a child and providing food and shelter. In this course, students learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships are some of the topics covered in this course. In addition, students get to know some careers and resources available that support families as well as debunking common parenting myths. Get started today and learn about the skills parents need to raise healthy and productive kids.

Foundations of Curriculum & Instruction

OLMS286A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Introduction to the Teaching Profession and Human Growth and Development are recommended but not required

Description: Teaching is hard work, no matter what age or grade level you are working with. You need to know how to meet the needs of a variety of learners, to unpack standards, write lesson plans, create engaging lessons, and use ongoing assessment, all while maintaining a solution-oriented mindset. From reading and writing skills to guiding students to think critically, the task is a big one. This course provides you with a glimpse of the classroom environment and the unique calling of being a teacher. You will continue to develop your portfolio and participate in field observations. You’ll observe children of various ages to see firsthand how teachers carry out lessons in the classroom. Foundations of Curriculum and Instruction is the third and final course in the Principles of Teaching program of study in the Education and Training career cluster.

Principles of Entrepreneurship

OLMS260A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: Do you have a desire to follow your passion and control your schedule and a willingness to take risks and work hard? Do you have an innovative idea and want to start your own business but don't know where to start? Having the right tools and knowledge about business plans, marketing, financing, and small business management will help you achieve your entrepreneurial goals. In Principles of Entrepreneurship, students identify characteristics and traits of entrepreneurs and assess personal strengths and weaknesses for entrepreneurial success. This course focuses on the steps in starting a business; how the economy plays a role in small businesses; the basic principles of marketing, selling, distributing, and financing; and workforce readiness skills needed to be a successful entrepreneur. Throughout the course, students focus on learning about and practicing their entrepreneurial mindset, a set of skills and attitudes that are beneficial both personally and professionally. At the end of the course, you will have the opportunity to take the Entrepreneurship and Small Business v.2 industry certification practice exam and certification exam. Principles of Entrepreneurship is the first course in the Entrepreneurship program of study.

Practical Arts-Computer Science

Computer and Network Security Fundamentals

OLMS240A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Digital Information Technology (recommended)

Description: This inspiring course covers the fundamentals of computer safety, network security, and prevention of digital attacks. Students experience a hands-on approach to security strategies, expand their computer and networking security techniques, and improve their problem-solving skills. Students will also explore numerous employment opportunities in one of the fastest-growing industries – Cybersecurity. This CTE elective can be part of a cybersecurity or related CTE Program of Study.

Cybersecurity Essentials

OLCS115A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Digital Information Technology & Computer and Network Security Fundamentals

Description: Have you or someone you know ever had personal information compromised? This inspiring course covers defensive strategies for computer, mobile device, and network security. You'll experience a hands-on approach to security strategies, expand your computer and networking security techniques, and improve your problem-solving skills. You will also explore numerous employment opportunities and prepare for one of the fastest-growing industries: cybersecurity. Cybersecurity Essentials is the third course in the Applied Cybersecurity program of study in the Information Technology career cluster.

Digital Information Technology

OLTE100A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: None

Description: Dive into an exciting course that will provide you with the foundational skills needed for exciting careers like game development, military defense, web design, and software engineering! You will explore Microsoft Office online applications, web design, emerging technologies, operating systems, project management, communication methods, Information Technology careers, and much more in this course. Learn about your strengths and how they relate to different career paths.

Foundations of Programming

OLCS110A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Digital Information Technology

Description: Foundations of Programming will teach students the fundamentals of programming using the computer language Python. The course provides students with the concepts, techniques, and processes associated with computer programming and software development. Students will also explore the many programming career opportunities available in this high-demand field.

Procedural Programming

OLMS242A/B

Details: 2 Semesters, 1.0 Credit

Prerequisites: Digital Information Technology and Foundations of Programming

Description: Procedural Programming continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques. This is the third course in the Java.Development and Programming program of study, after Digital Information Technology and Foundations of Programming. Students will write and develop programs using the Python programming language.

Artificial Intelligence in the World

OLCS120

Details: 1 Semester, 0.5 Credit

Prerequisites: None

Description: Artificial Intelligence in the World is an introductory course that guides students through the concepts, tools, and building blocks of artificial intelligence. This course provides students with a broad overview of how AI is used in decision-making and problem-solving worldwide. Students will learn how ethics impacts AI and will also have the opportunity to explore the various parts of AI with hands-on activities through the use of chatbots and other exciting interactives.

[St. Vrain Career Elevation Technology Center](#)

Details and Information: The Career Elevation and Technology Center (CETC) is located at 1200 S. Sunset in Longmont, Colorado and is the Career and Technical Education (CTE) center for the St. Vrain School District and is one of eight CTE centers in the state of Colorado. The CETC offers classes that provide real-world, hands-on experiences in pathways that are high-wage, high-growth, and high-demand. These pathways provide students with opportunities to acquire knowledge and skills linked with specific post-secondary programs leading to a two-year or four-year degree, and provide students with industry recognized certifications giving them a jump start in their careers.

Transportation is available from Lyons to CETC each day at no cost to families.

Daily Schedule:

- Classes at CETC normally meet every other day for two blocks
 - A1/2 and B5/6: 8:10-10:58 AM
 - A3/4 and B7/8: 11:32-2:20 PM

Program Overview ([Full Course Description Guide](#)):

- | | |
|-------------------------|--------------------------------|
| ● AGRICULTURAL SCIENCES | ● HEALTH SCIENCES |
| ● AUTOMOTIVE TECHNOLOGY | ● INTERACTIVE MEDIA TECHNOLOGY |

- **ADVANCED MANUFACTURING ACADEMY**
- **PRE-LAW**
- **PROSTART AND CULINARY ARTS**
- **WELDING AND FABRICATION TECHNOLOGY**

Registration Information: Interested students will fill out course requests in the Academic Planning Tab in Infinite Campus. Students will be notified in May of seat acceptance. Students should still plan on a full set of course requests outside of CETC offerings in case there are conflicts with their schedules.

St. Vrain Innovation Center

Details and Information: The Innovation Center (IC) is located at 33 Quail Rd in Longmont, Colorado. Student learning at the Innovation Center transcends the traditional classroom and provides experiential opportunities that are developing today's students into tomorrow's leaders, innovators and changemakers. In addition to rigorous extended learning and mentorship opportunities, students gain valuable experience through employment that focuses on designing and engineering technology solutions for industry and community partners.

In providing real work for real pay, offering professional/technical certifications for advanced careers, and supporting the excellent coursework at each of our focus high schools, the Innovation Center (IC) offers a distinct and unique competitive advantage for the students in our district. This iconic building provides an agile space for the intentional collision of ideas and projects and, therefore, an ideal space for innovation. **Transportation is available from Lyons to CETC each day at no cost to families.**

Daily Schedule:

- Classes at the IC meet every other day and follow a traditional SVVSD Block Schedule:
- A1/B5 8:00-9:15
- A2/B6 9:40-11:10

- A3/B7 11:40-1:00
- A4/B8 1:05-2:25

Program Overview ([Full Course Description Guide](#)):

- [Aeronautics](#)
- [Bioscience](#)
- [Cybersecurity](#)
- [Entrepreneurship](#)
- [IC Studios](#)
- [Information & Communications Technology](#)
- [P-TECH](#)
- [Pathways to Teaching \(P-TEACH\)](#)
- [Robotics](#)
- [STEM Education](#)
- [Virtual & Digital Design](#)

Registration Information: Interested students will fill out course requests in the Academic Planning Tab in Infinite Campus. Students will be notified in May of seat acceptance. Students should still plan on a full set of course requests outside of IC offerings in case there are conflicts with their schedules.

[**Colorado State University Online**](#)

Details and Information: At Lyons Middle Senior High School, we are thrilled to have a special Dual Enrollment partnership with Colorado State University Online that allows our students to access a wide variety of courses, many of which have Guaranteed Transfer (GT) credit to Colorado public institutions. Current course offerings available to our students include:

College of Agricultural Science

ANEQ 103 Introduction to Animal Science
HORT 100 Horticultural Science

College of Business

ACT 205 Fundamentals of Accounting
ACT 210 Introduction to Financial Accounting

College of Liberal Arts

ANTH 200 Cultures and the Global System
ART 100 Introduction to the Visual Arts
ECON 204 Principles of Macroeconomics
ETST 100 Introduction to Ethnic Studies
GR 100 Introduction to Geography
MU 100 Music Appreciation

BUS 150 Business Computing Concepts and Applications

College of Engineering

BIOM 109 Principles of Biomedical Engineering

ECE 102 Digital Circuit Logic

ECE 103 DC Circuit Analysis

MECH 103 Introduction to Mechanical Engineering

MECH 105 Mechanical Engineering Problem Solving

College of Health and Human Science

IDEA 110 Designing Your University Life

IDEA 210 Introduction to Design Thinking

HDFS 101 Individual and Family Development

OT 215 Medical Terminology

PHIL 103 Moral and Social Problems

PHIL 110 Logic and Critical Thinking

SOC 100 General Sociology

SPCM 100 Communication and Popular Culture

SPCM 130 Relational and Organizational Communication

College of Natural Resources

GEOL 110 Introduction to Geology - Parks and Monuments

GES 101 Foundations of Environmental Sustainability

NR 150 Oceanography

College of Natural Sciences

BZ 101 Humans and Other Animals

BZ 110 Principles of Animal Biology

PSY 100 General Psychology

Registration Information:

Counselors host an informational meeting each semester to provide information and resources to register for courses the following semester. Enrollment in CSU online courses requires an application and approval from a counselor, the principal and our district.

SVVSD Credit Recovery / Alternate Course Options

SVVSD eCredit Recovery

Students who have failed specific core courses have another opportunity for success through the SVVSD eCredit Recovery Program. St. Vrain Valley School District offers this hybrid credit recovery program that allows students to recover credit by retaking only the concepts in which they were previously unsuccessful through a blended learning model. The eCredit program uses the award winning K-12 software-based curriculum from Edmentum which is aligned with both the state content standards and the St. Vrain Valley School District Scope and Sequence. The eCredit program currently offers high school credit recovery courses in Math, Social Studies, English, Science and Health.

Online courses (BYU or CDLS)

Lyons Middle Senior High School prides itself in providing a comprehensive and challenging academic program for all students. With this in mind, circumstances may arise whereby a student may look to other resources to enhance their education. One of these options is online courses (outside of the district's Concurrent Enrollment Program). These courses are not meant to be substituted for a course available in the school's master schedule. These courses are taken to supplement a student's education and/or for credit recovery. Per SVVSD policy IKF, only 2.0 credits may be taken out of district and applied to the student's transcript for graduation.