

HIGHLAND PARK SENIOR HIGH SCHOOL



COURSE CATALOG 2019-2020

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Home of the Scots



www.spps.org/highlanders

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GENERAL INFORMATION

SCHOOL COUNSELING DEPARTMENT

Licensed School Counselors empower students and families to access their premier Saint Paul Public Schools education through academic support, social emotional support, and college and career readiness. Counselors are assigned based on student grade level or last names:

Johanna Skaar – serves grade 9 students

Megan Palmer – serves grades 10-12 students with last names A – G

Kimberly Esso – serves grades 10-12 students with last names H – Q

Kenneth Zimmerman – serves grades 10-12 students with last names R – Z

Jevita Baheriy – serves grade 9 students from Capitol Hill and oversees the College & Career Resource Center (CCRC)

Students are encouraged to regularly contact their counselors regarding scheduling concerns and changes, graduation requirements, college readiness, acceptance, and support. Students and parents may set-up an appointment with their counselor through the secretary in the School Counseling Department during lunch, before/after school, or during passing time by contacting Counseling Clerk, Christine Zepeda: christine.zepeda@spps.org or (651) 744-7230.

Click [here](#) to visit the School Counseling Department website.

GRADUATION REQUIREMENTS

Course Credit Requirements

Class of 2020 & 2021

Class of 2022 & Beyond

English: 4 years (16 credits)	English: 4 years (16 credits)
Social Studies: 3.5 years (14 credits) Including World History, Human Geography, US History, US Government & Economics	Social Studies: 4 years (16 credits) Including World History, Human Geography, US History, US Government & Economics
Mathematics: 3 years (12 credits) Must complete sequence through Algebra 2	Mathematics: 3 years (12 credits) Must complete sequence through Algebra 2
Science: 3 years (12 credits) Must include one year of Biology and one year of Chemistry or Physics	Science: 3 years (12 credits) Must include one year of Biology and one year of Chemistry or Physics
Fine Arts: 1 year (4 credits)	Fine Arts: 1 year (4 credits)
Physical Education: 1/2 year (2 credits)	Physical Education: 1/2 year (2 credits)
Health: 1/2 year (2 credits)	Health: 1/2 year (2 credits)
Career Technical Education: 1/2 year (2 credits)	Career Technical Education: 1/2 year (2 credits)
Electives: 30 credits Any class above the minimum requirement is an elective Electives can be taken from any department	Electives: 28 credits Any class above the minimum requirement is an elective Electives can be taken from any department
Total Credits Required: 94 credits	Total Credits Required: 94 credits

Students have four years to complete all requirements, and your schedule can be flexible. Students are encouraged to work with parents and counselors to create a four-year plan that meets their needs. Click [here](#) to visit the Graduation Requirements page on the Highland Park website.

State Testing Requirements

Highland Park students must be provided an opportunity by the district to take a pre-college admission test that will meet the state testing requirement for high school graduation. Most students meet the testing requirement by taking the ACT in the spring of their 11th grade year. See your school counselor with questions about the testing requirement for graduation.

World Language

World language is not required for graduation from Saint Paul Public Schools; however, it is required during the freshman and sophomore years at Highland Park because we are an authorized International Baccalaureate Middle Years Program school. We encourage students to take a World Language all four years. Additionally, four-year colleges and universities generally require two years of study in a single world language in high school to be considered for admission.

REGISTRATION & SCHEDULING

Registration

Students register for the next school year's courses in the spring of each year. It is important for students to talk with parents, teachers and their school counselor regarding appropriate course selections. Early registration:

- Enables students to select those courses that will help them to prepare for the future while meeting the requirements for high school graduation, and
- Determines the course sections and faculty hiring for the next year.

Course offerings presented herein are subject to change reflecting student requests, staffing, and other considerations.

Schedule Changes

Students are encouraged to plan their schedules carefully. Schedule changes after the initial registration may be made only for the following reasons:

- The student failed a course, which would affect the course sequence.
- The student needs a course to meet graduation requirements.
- The student is not placed at the appropriate level in a core class.
- The student desires an alternative elective which has space available.

Dropping a Class

Classes may be dropped with a grade labeled NO MARK (NM) and will not be counted in the Grade Point Average (GPA) up until mid-quarter grades are finalized. If a course is dropped after the mid-quarter grades are finalized, a grade of N (failed) will be assigned and will be included on a student's permanent transcript and in the GPA.

Dropping an Accelerated or IB DP Class

Students who wish to change an Accelerated or IB diploma level course because they feel they are placed in the wrong level must follow this procedure when making the change:

- The student must first meet with the current teacher to discuss his/her placement. This decision is best made within the first week of the term.
- The student must then meet with the school counselor to discuss how this change would affect the schedule. If a schedule change is necessary, the counselor will prepare a Drop Form and review it with the student. The student will then need the following signatures:
 - Parent/Guardian
 - Drop teacher (which will indicate all materials are returned)
 - Check in and meet the new teacher
 - IB Coordinator, if IB diploma level course

Counselors will make every attempt to place the student in the smallest available section. This may mean that other classes in the student's schedule are moved to facilitate the change.

- Students must drop off the IB Drop Form in the school counseling office and follow the original schedule until their Campus account has been updated with the new schedule.
- The student, counselor, and teachers affected will address level changes after the first 3 weeks of the term on a case-by-case basis.

Add or Drop for Elective Classes

Students wishing to change from one elective to an alternative elective must complete a Drop/Add form or schedule an appointment with their counselor to make this change.

- Schedule changes for alternative electives are not made after the first week of the new term.

Credit Recovery

Students who are short credits are expected to make up the deficiency in summer school and/or at an Alternative Learning Center. Here is a brief description of our ALC options:

- Saint Paul Public Schools runs an Evening High School ALC at Gordon Parks High School during the school year. Students wishing to attend Evening High School should see their school counselor for a referral.
- School Counselors will register students in May for summer school. Students are expected to earn a minimum of 24 credits each year to be on schedule for graduation.

GRADING & TRANSCRIPTS

Highland Park operates on a quarter calendar. Students earn credit and receive grades four times per school year. Students are required to attend all classes for which they are registered, every day. After a student has passed a given course, the student may not repeat that course for credit toward graduation.

Grading Scale & Grade Point Average

St. Paul has a 4.0 grading system. Students in honors classes receive a weighted-honors point by multiplying the grade by 1.25 (see charts below):

		Grade Point Average			
GRADING MARKS		REGULAR SCALE (unweighted)		HONORS SCALE (weighted)	
A	Excellent	A	4.000	A	5.000
B	Above Average	A-	3.700	A-	4.625
C	Average	B+	3.300	B+	4.125
D	Below Average	B	3.000	B	3.750
N	Failure	B-	2.700	B-	3.375
		C+	2.300	C+	2.875
		C	2.000	C	2.500
		C-	1.700	C-	2.125
		D+	1.300	D+	1.625
		D	1.000	D	1.250
		D-	0.700	D-	0.875
		N	0.000	N	0.000

GRADING MARKS		REGULAR SCALE (unweighted)		HONORS SCALE (weighted)	
I	Incomplete				
P	Pass				
NP	Not Pass				

DO NOT AFFECT GPA {

Classes that have weighted honor points include accelerated courses, International Baccalaureate Diploma Program courses, and Post-Secondary Enrollment Options courses. A student's grade point average (GPA) is calculated by dividing the total number of points earned by the total number of classes taken. Grade point average is re-calculated after each quarter at the district level.

Class Rank

Counselors can provide students and families with class rank, a measure that compares a student's performance to the performance of their peers. Class rank is based off of weighted grade point average and is calculated after quarter two and quarter four each year.

Graduating with High Honors and Honors

To graduate with "High Honors" students must finish their senior year with a four-year weighted GPA of 3.75 or above and have completed at least two years of a world language (or be able to demonstrate oral and written proficiency in a language other than English at an equivalent level). To graduate with "Honors" students have to complete the world language requirement and have a four-year weighted GPA of 3.3 – 3.74.

Transcripts & Transferring Credits

The official transcript is a document that records a student's grades and credits earned. Transcripts received from an accredited program will be accepted and transferred to the student's Saint Paul Public School transcript. Grades and credits cannot be changed unless a revised transcript is received from the original accredited program. PSEO (Post-Secondary Enrollment Options), advanced academic credit, home school, and out-of-district transfers are examples of accredited programs. When considering a transfer document, all grades and credits that can be applied to a student's record will be included without exception.

Highland Park High School operates on a seven-period day quarter system. Students will receive progress grades at mid-quarter and final grades at the end of each quarter. Students have the opportunity to earn one credit per class per quarter.

TESTING

Highland Park offers a variety of tests to students. Some tests are college preparatory and some are state standardized tests the Minnesota Department of Education requires secondary schools to give students:

ACCESS

ACCESS for ELLs Online (ACCESS Online) is a computer-based, adaptive test that responds to student performance and may be administered in group or individual settings. This assessment is given annually to students in Grades 1-12 whose home language is not English. It tests students' language in four domains: Listening, Reading, Speaking, Writing.

ACT

The ACT is a standardized test used for admission to four-year colleges and universities. All grade 11 students can take the ACT for free on a state-selected date each spring. Students can also register to take ACT on their own at www.act.org

ACCUPLACER

The ACCUPLACER is a college placement exam required at local two-year community and technical colleges. It assesses a student's reading and math level and helps determine course placement at the college level.

MCA / MTAS

The Minnesota Comprehensive Assessments (MCA) and alternate assessment Minnesota Test of Academic Skills (MTAS) are the state tests that help districts measure student progress toward Minnesota's academic standards and also meet federal and state legislative requirements.

Click [here](#) to visit the Minnesota Department of Education testing website.

PSAT

The Preliminary Scholastic Aptitude Test is an exam given to high school juniors in the fall of each year. Students must sign up for the test in the counseling department. In addition to a preparatory test for the college placement exam, SAT, the PSAT is also the National Merit Scholar Qualifying Test.

INTERNATIONAL BACCALAUREATE: MIDDLE YEARS PROGRAM (9TH & 10TH) and DIPLOMA PROGRAM (11TH & 12TH)

The International Baccalaureate program aims to develop inquiring, knowledgeable, and caring young people who help create a better and more peaceful world through intercultural understanding and respect. At Highland Park Senior High, the IB Middle Years Program (encompassing 9th and 10th grade) and the IB Diploma Program (11th and 12th grade) encourages students to become active, compassionate, and lifelong learners who understand that other people, with their differences, can also be right. Worldwide, IB is offered in 4,964 schools in 153 countries.

IB Middle Years and IB Diploma Programs

- Offer strong international dimensions
- Require study across a broad range of subjects
- Place special emphasis on learning languages
- Focus on developing the skills of learning
- Provide opportunities for individual and collaborative planning and research
- Center on a written curriculum framework
- Assess students in an age-appropriate manner
- Deliver academically challenging and balanced curriculum



IB Middle Years Program

Highland Park Senior High is an authorized International Baccalaureate Middle Years Program (IB MYP) school. All students engage in the IB Middle Years Program philosophy in grades 9th and 10th in both regular and accelerated classes. Highland Park Senior High staff collaborate to create common units and assessments. Staff also collaborate with Highland Park Middle School to coordinate a comprehensive IB MYP curriculum for grades 6-10.

The IB Middle Years Program is an academic structure that encourages students to embrace and understand the connections between traditional subjects and the real world, fosters critical and reflective thinking, and supports and prepares students to achieve in the IB Diploma Program. IB MYP emphasizes the importance of teaching the whole student through conceptual learning, skill building, rigorous objectives, international perspectives, and real world connections.

The 9th and 10th grade curriculum consists of eight subject groups integrated through six Global Contexts that provide a framework for study within and across the subjects. Students are required to study language and literature, language acquisition, individuals and societies, sciences, mathematics, arts, physical education and design. In 10th grade, students also produce a Personal Project, which allows them to demonstrate the understandings and skills they have developed throughout the program.

Key Aspects of IB Middle Years Program

- Encourages international-mindedness in students, beginning with a foundation in their own language and culture.
- Fosters a positive attitude toward learning by challenging students to solve problems, show creativity and resourcefulness, and participate actively in their communities.
- Supports the development of communication skills to encourage inquiry, understanding, language acquisition, and to allow student reflection and expression.
- Emphasizes the development of the whole student – physically, intellectually, emotionally, and ethically.

IB Diploma Program

As an authorized International Baccalaureate Diploma Program (IB DP) students experience a rigorous liberal arts curriculum along with the opportunity to flourish physically, intellectually, emotionally and ethically. Students are able to explore subjects in depth and more broadly over the two-year period of their junior and senior years. Because IB Diploma students assume high levels of responsibility, they require additional family support and approval for any IB Diploma course and/or exam. Successful examinations can lead to advanced college placement and/or college credits, depending on the individual college's policy.

Preparing for the IB Diploma Program

Students begin preparation for the IB Diploma Program by taking IB MYP courses in grades 9 and 10. These courses help to develop and refine higher level thinking skills, writing techniques and oral communications. Any student motivated to take stimulating classes is welcome to participate in Highland's IB Diploma Program, either by taking the complete IB Diploma curriculum or by taking individual diploma level courses in an area of interest. Some accelerated courses are required for some IB Diploma level courses.

Variety of Choices within IB Diploma Program

- Students may pursue the Full IB Diploma.
- Students may pursue the Commended Scholar path.
- Students may take examinations in separate subjects.
- Students may take the IB Diploma courses in areas of interests without taking examinations.

Full IB Diploma Candidates

IB Diploma students are required to select and test in one subject from each of the following subject groups: language and literature, language acquisition, individuals and societies, sciences, mathematics, arts/electives. At least three exams, and no more than four, are taken at higher level (HL) and the others at standard level (SL). HL courses represent 240 teaching hours; SL courses cover 150 teaching hours. Examinations in these subject groups are offered in May of each year.

In addition to the six examination, full IB Diploma students are required to complete the following:

- Theory of Knowledge class (TOK): TOK is an interdisciplinary requirement for full IB Diploma students intended to stimulate critical reflection on knowledge and experience gained inside and outside the classroom. Students examine the grounds for the moral, political and aesthetic judgments that individuals must make in their daily lives.
- Creativity, Activity, Service experiences (CAS): The goal of the IB Diploma program is to educate the whole person, to help students become responsible and compassionate citizens. The CAS requirement encourages the IB Diploma candidate to share their energy and special talents with others outside of the school day.
- Extended Essay (EE): Each student has the opportunity to investigate a topic of special interest. The essay requirements for IB Diploma candidates acquaint them with the kind of independent research and writing skills expected in university study.

Highland Commended Scholar Candidates (3+1)

Commended students are required to select and test in any 3 subjects plus participate in 1 more requirement. Additional requirements can include writing an Extended Essay, participating in CAS or taking a 4th exam.

Progress in IB Diploma Program

HPSH can assure students the opportunity of working towards an IB Diploma if the students enter their sophomore year at level 3 of World Language and at Algebra 2.

It is important for students taking IB Diploma classes to successfully master the content of course materials as future classes will be based on that knowledge. Students are encouraged to work with their teachers if they need additional help in understanding class content and/or assignments. Students who receive an N in one semester of a course may not be able to take the IB Diploma course in that subject area the following year.

HIGHLAND PARK PROGRAMS & OFFERINGS

Progress Reports & Parent/Teacher Conferences

Formal parent/teacher conferences are held three times each year. If parents are unable to attend, they should contact the school to talk individually with teachers. A parent, teacher, administrator, school counselor or student may request a school conference to deal with academic or behavioral concerns.

College & Career Resource Center

The Highland Park College & Career Resource Center offers a wide variety of assistance and resources for students and parents. College and Career staff are available to help answer questions and offer a range of presentations throughout the school year. The College and Career Resource Center offers: career/college planning resources, college admissions and testing information, financial aid information, college guides, college testing, website information, college applications, scholarship information, college tour information, local job postings and employment hints.

Many colleges and universities send representatives throughout the school year to meet with students in the College and Career Resource Center. These meetings are a great way for students to learn about post-secondary opportunities. Check the Counseling page of the website (www.highlandsr.spps.org) for an up-to-date calendar of college visits. Students can sign-up to visit with college representatives by stopping by the College & Career Resource Center.

AVID - Advancement Via Individual Determination

AVID is a program for students who have a grade point average of 2.0-3.5 and a strong desire to go to a four-year college or university. Students in the program take the AVID elective class at the same time they are enrolled in rigorous courses. The AVID class focuses on writing, critical thinking, collaboration, reading, note-taking, study skills and college/career/motivational activities. Students are expected to keep an organized binder and take notes in every class every day of the week. Tutors are in the AVID classes twice per week.

The goal of this college preparatory program is to help students, especially those in the academic middle, succeed in rigorous courses and prepare for entrance into post-secondary education and to become leaders in their communities and society. AVID is a path that shows students how to work successfully with teachers, take effective notes, increase organizational skills, work collaboratively, and prepare for high school and post-secondary success.

Mentoring Excellence Program (MEP)

MEP is a mentoring program focused on college and career readiness. The Mentoring Excellence Program is in the process of shifting its focus to meet the needs of Saint Paul Public Schools' diverse population of students and to align with the district's Strong Schools Strong Communities Plan and policy for Racial Equity.

Indian Education

The American Indian Education Programs offered through the Saint Paul Public School District is in existence to preserve and present the unique political, sovereign, cultural, traditional, and spiritual values of American Indian nations through education. These programs aim to assist American Indian Students in graduating from high school with a quality education and positive cultural identity.

Spanish Immersion (Honors)

The HPSH Spanish Immersion Program is designed for students who have completed the Elementary and Junior High Spanish Immersion Program and want to continue to improve their Spanish through the immersion approach. It is open to other students, both native and non-native Spanish speakers, who show sufficient language proficiency. Spanish Immersion students are expected in ninth and tenth grade to take a Spanish Immersion course and Social Studies in Spanish all year. Eleventh and twelfth graders are required to take a Spanish Immersion course all year. A variety of Spanish Immersion classes are offered each year. These courses are organized as a rotating cycle. Through these content-based classes students will continue to improve their oral comprehension, conversation, reading and writing skills. All language immersion courses are either IB or Accelerated. The goal of the Spanish Immersion Program is for students to advance their Spanish language skills in all areas while getting a first-rate academic education. Students in Immersion are encouraged to complete their Personal Project in Spanish.

Chinese Immersion (Honors)

The HPSH Chinese Immersion Program is designed for students who have completed a Chinese Immersion Program through middle school and want to continue to improve their Chinese through the immersion approach. It is open to other students who show sufficient language proficiency. All language immersion courses are either Honors or IB. The goal of the Chinese Immersion Program is for students to advance their Chinese language skills in all modalities (speaking, listening, reading, and writing) while getting a first-rate academic education. Students in Immersion are encouraged to complete parts of their IB MYP 10th grade Personal Project in Chinese.

Chinese Language & Culture

The Chinese Language and Culture program offers a six-year sequence in modern Chinese (Mandarin) from middle school through senior high. In a rapidly shrinking world, understanding more than one world language assumes a greater significance. This outstanding Highland Park program offers a unique opportunity for students to prepare for changing world conditions and increased language requirements in colleges. The Chinese culture is an integral part of the program. Teaching materials are especially designed to meet the needs of secondary school students. Materials include videotapes, and computer programs. Student interest is encouraged by small class sizes, field trips, visiting speakers and cultural presentations. The New Year Celebration is a joint effort by students, parents and Chinese friends celebrating the coming of the New Year. Juniors and seniors in the Chinese program may take advantage of the "College in the Schools" program and earn up to thirty semester hours of college credits.

Saint Paul Career Pathways Academy

Saint Paul Career Pathways Academy is a high school program located at St. Paul College where students can explore careers, take career and technical education courses, and have the opportunity to earn high school and college credit.

Saint Paul Career Pathways Academy is an option for:

- Students in grades 11 or 12 who are on track for graduation (top 50% of class for seniors and top 33% for juniors)
- Students who learn best in "hands-on" activities
- Students who want to explore advanced career and technical education and certification possibilities
- Students who are ready to prepare for highly skilled technical workplaces

Bus transportation from the student's home high school will be provided to the Saint Paul Career Pathways Academy. Students interested in attending must see their school guidance counselor for registration application information. Students attend a two-hour block career course and take their remaining courses at their home high school. For information on specific course offerings, please go to the Saint Paul Career Pathways Academy section under Course Offerings.

Post-Secondary Enrollment Options (PSEO)

The Minnesota PSEO Act enables 11th and 12th grade students to enroll in courses or programs at eligible post-secondary institutions and receive course credit. This program promotes rigorous educational pursuits and provides a variety of options to high school students.

Applying: Students must follow application deadlines and procedures outlined by the post-secondary institution. Deadlines and criteria for PSEO applications vary from school to school.

Choosing Courses: Students must also make sure they are fulfilling their SPPS graduation requirements by meeting with their school counselor. Students may take one or more courses up to a full load (12-16 semester credits equal a full load). Students may take more credits than that, but additional credits will be at the family's expense.

Credits: Typically four semester college credits equal one full year of high school credit in a given course. Credits received from a post-secondary institution are recorded on students' transcripts and count as courses completed at that institution. Transferring of credits to another institution will depend on the new institution. Since all institutions may not accept all PSEO credits, students should check with the college of choice. If students have a disagreement with the high school about credits, they may appeal in writing to the State Board of Education.

Withdrawing: Students must inform the post-secondary institution and the high school immediately. Students are subject to the same procedures as any other high school student when withdrawing from a course or failing a course.

Transportation: Students and families are responsible for transportation to and from the post-secondary institution. Some students qualify for reimbursement for transportation costs. Please see your school counselor for additional information.

College Possible

College Possible is a nonprofit organization in the Twin Cities that is dedicated to helping low-income high school students prepare for and earn admission to college. College Possible identifies students with the motivation and potential for college, and then provides them with: SAT/ACT test preparation, intensive guidance in preparing college applications, help in obtaining financial aid and guidance in transition to college.

Upward Bound

The Upward Bound/TRIO Program is designed to assist high school students who have the ability to go to college. This is a year-round program providing enrichment to prepare students for college through academic tutoring, social and cultural activities, and personal and academic advising. Students accepted into this program must be from limited income families or whose parents have not completed four-year college degrees.

CLUBS & ATHLETICS

- Adapted Bowling
- Anime Club
- Baseball
- Cheerleading
- FADE Film Club
- Gender Sexuality Alliance
- Golf
- Instrumental Music
- National Honor Society
- Science Club
- Student Council
- Thespian Society
- World Savvy
- Youth in Government
- Adaptive Floor Hockey
- Archery Club
- Basketball
- Cross Country
- Football
- Gender Equality Club
- Gymnastics
- Link Crew
- Prizm
- Soccer
- Swimming
- Track & Field
- Wrestling
- Adaptive Soccer
- Asian Cultural Club
- Black Student Union
- Dance Line
- Friendship Club
- Genius Squad
- HPSH Plaid Line
- Math Team
- Nordic Skiing
- Softball
- Diving
- Vocal Music
- Yearbook
- Alpine Ski
- Badminton
- Book Club
- Debate Team
- FFA
- Giving Tree
- Hockey
- Mountain Biking
- Robotics Team
- Speech Team
- Tennis
- Volleyball
- Youth Alive

For a complete and up-to-date list, click [here](#) for Athletics and [here](#) for Activities.

Athletic Regulations

The Saint Paul City Conference will follow the code of rules and regulations governing athletics as prescribed by the Minnesota State High School League "Official Handbook." The League permits school districts to make regulations and interpretations deemed advisable to promote a harmonious athletic program within the district. Under this provision the Saint Paul City Conference will adhere to the following regulations in addition to the State regulations. The Saint Paul School District passed eligibility rules for all students who participate in extra-curricular activities. The implementation of this policy is another expression of the District's commitment to improve the instructional program.

Grade	Start of Year	After Qtr 1	After Qtr 2	After Qtr 3
9 th Grade	0 credits	4 credits	8 credits	12 credits
10 th Grade	21	25	29	33
11 th Grade	45	49	53	57
12 th Grade	70	74	78	82

Athletic Eligibility 7-period Day:

Students must pass at least FOUR classes each quarter to remain eligible for the following quarter regardless of their total credits. Note: Summer School and/or the Area Learning Centers may be used to make up credit deficiencies. Students should check with their counselor ahead of time to enroll in these additional opportunities.

College Freshman Athletic Eligibility Requirements

NCAA Divisions I and II institutions have adopted certain academic requirements that must be met for a student to qualify for participation in intercollegiate athletics and for the receipt of athletically related financial aid as a freshman.

Students entering NCAA Division I and II institutions as freshman must meet certain requirements. As a junior, contact the school athletic director for specific requirements. Do not wait until later in your high school career. A list of courses that have NCAA approval is available in the School Counseling Office.

COURSE OFFERINGS

This catalog lists possible classes. Please see registration sheets for specific classes offered each year.
Class offerings are subject to change each year

CORE DEPARTMENTS

English, Social Studies, Mathematics, Science

ENGLISH

L402401 **IB MYP English 9** **Grade 9** **4 Quarters**

Prerequisite: None

English 9 is a multicultural survey of literature which focuses on reading, critical thinking, speaking, listening, and writing. Students will be expected to complete reading assignments outside of class. Students will also receive orientation to the high school library and practice the process of research.

L432421 **IB MYP English 9, Accelerated** **Grade 9** **4 Quarters**

Prerequisite: a grade of C+ or better in 8th grade English is recommended

English 9 IB Prep is a multicultural survey of British and World Literature encompassing a wide variety of literary genres. Students will demonstrate a variety of writing, from creative to evaluative, and keep a critical response journal. Students will be expected to complete reading assignments outside of class. Students will also prepare and deliver a variety of oral presentations and speeches throughout the year.

L402511 **IB MYP English 10** **Grade 10** **4 Quarters**

Prerequisite: None

English 10 includes basic composition skills, mechanics, grammar, sentence building, paragraph development and the writing process. In addition, students will continue building communication skills including writing, speaking, listening, and reading through literature, poetry, non-fiction, drama, and podcasts while demonstrating insight through research projects, oral presentations, large and small group discussions, and creative writing.

L432521 **IB MYP English 10, Accelerated** **Grade 10** **4 Quarters**

Prerequisite: Successful completion of previous English, Accelerated or teacher recommendation

English 10 IB Prep will study literature with social consciousness as the central theme. The class enables motivated students to pursue more material in greater depth, while providing them with the skills necessary for college and the IB written and oral examinations. Discussions, in-class essays, oral interpretations, and independent projects provide ways for students to articulate insights.

L402601 **English 11** **Grade 11** **4 Quarters**

Prerequisite: None

English 11 American Literature includes basic composition skills, mechanics, grammar, sentence building, paragraph development and the writing process. In addition, students will continue building communication skills including writing, speaking, listening, and reading through literature, poetry, non-fiction, drama, and podcasts while demonstrating insight through research projects, oral presentations, large and small group discussions, and analytical and creative writing.

L471101 **IB DP English A: Language and Literature 11 SL** **Grade 11** **4 Quarters**

Prerequisite: None

This honors course meets international standards and prepares students for college level reading, writing, and research. Students are introduced to the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and audience. There are two required formal presentations as well as three creative writing projects to be submitted to the IB in grade 12.

L473231 **IB DP English A: Literature 11 HL** **Grade 11** **4 Quarters**

Prerequisite: English 10 Accelerated or teacher recommendation

English 11 Literature HL is the first half of a two-year sequence in which students can earn college credit. This demanding honors course is for highly motivated, college-bound juniors. Students should be prepared for independent reading coupled with critical thinking and discussion, literary analysis journals and essays, and both written and oral commentaries. There are required IB assessments.

L402701 **English 12** **Grade 12** **4 Quarters**

Prerequisite: None

Students explore a multicultural survey of world literature encompassing a wide variety of genres. Course includes basic writing skills, mechanics, grammar, sentence building, paragraph development and the writing process. Students will continue building skills in the following areas: writing, speaking, listening, media, reading, literature, and fundamental principles of research.

L4????? **IB DP English A: Language and Literature SL** **Grade 12** **4 Quarters**

Prerequisite: Successful completion of IB DP English A: Language and Literature 11 SL

This honors course meets international standards and prepares students for college level reading, writing, and research. Students continue the critical study and interpretation of written and spoken texts from a wide range of literary and no-literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to context of production and audience. There are two formal essays as well as one creative writing project to be submitted to the IB.

L473241 **IB DP English A: Literature 12 HL** **Grade 12** **4 Quarters**

Prerequisite: Successful completion of IB DP English A: Literature 11 HL

English 12 Literature HL is the second half of a two-year sequence in which students can earn college credit. Students will continue to use critical response journals and class discussion to sharpen critical thinking skills. These skills will be applied to in-class essays in which students will be expected to make connections between works read in this class and in previous IB classes. Practice will continue on literary commentaries and a formal paper and oral commentary will be required.

L405361 **Journalism/Newspaper** **Grades 9-12** **2 Quarters**

Prerequisite: None

Students in this elective course will design and produce the school newspaper, The Plaid Line. The newspaper will be produced online, through a WordPress site throughout the year. Students will be assigned numerous assignments over the course of the school year so they will need to be able to meet set deadlines. We will discuss layouts, writing and editing techniques, headlines and picture captions, and photography and consent.

SOCIAL STUDIES

H405101 IB MYP World History**Grade 9****4 Quarters**

Prerequisite: None

This course introduces students to skills necessary for success in social studies classes. Students will discover commonalities/differences among peoples from past to present through examination of the features of civilization. Students will learn to: distinguish between cause and effect, fact and opinion, and primary and secondary sources; identify main ideas and evidence to support main ideas. Students will conduct research, read graphs and maps, organize ideas, take organized notes and ask critical questions. Topics may include: pre-history, ancient civilizations, world religions, the Middle Ages, exploration/expansion, Renaissance, Reformation and revolutions.

H475101 IB MYP World History, Accelerated**Grade 9****4 Quarters**

Prerequisite: None

Accelerated World History will involve studying patterns of human societies across time within a global context. Students will discover commonalities/differences among peoples from past to present. They will examine and evaluate evidence to understand the social, political, environmental, technological, economic and spiritual factors of human development. Students will learn to distinguish between cause and effect, fact and opinion, and primary and secondary sources. Topics may include: pre-history, ancient civilizations, world religions, Middle Ages, exploration/expansion, Renaissance, Reformation and revolutions. Students will also engage in History Day activities. This is a rigorous course designed to prepare students for the IB Diploma Program.

H432101 IB MYP Spanish Immersion World History**Grade 9****4 Quarters**

Prerequisite: Spanish Immersion program enrollment

SI World History will involve studying patterns of human societies across time within a global context. Students will discover commonalities/differences among peoples from past to present. They will examine and evaluate evidence to understand the social, political, environmental, technological, economic and spiritual factors of human development. Students will learn to distinguish between cause and effect, fact and opinion, and primary and secondary sources. Topics may include: pre-history, ancient civilizations, world religions, Middle Ages, exploration/expansion, Renaissance, Reformation and revolutions. Students will also engage in History Day activities. This is a rigorous course designed to prepare students for the IB Diploma Program.

H402211 IB MYP Human Geography**Grade 10****4 Quarters**

Prerequisite: None

Using the thematic approach, this course focuses on the regions of the world. Students will apply geographic concepts such as population, agriculture, natural resource allocation, management industry, political geography, cultural geography, and urbanization to their lives, community, and regions around the world. Students will examine the impact of the physical environment on people/cultures.

H432211 IB MYP Human Geography, Accelerated**Grade 10****4 Quarters**

Prerequisite: None

This course will use a thematic approach to focus on regions of the world. Regions will be studied through such themes as population and migration, agriculture, natural resource allocation and management, industry and economic development, political geography, cultural geography, and urbanization. Students will evaluate how geography influences decision-making by analyzing case studies and other examples emphasizing human interaction with the environment. Course work will be rigorous and will include outside reading, reflective writing, research skills and analysis.

H432111 IB MYP Spanish Immersion Human Geography**Grade 10****4 Quarters**

Prerequisite: Spanish Immersion program enrollment

This course will use a thematic approach to focus on regions of the world. Regions will be studied through such themes as population and migration, agriculture, natural resource allocation and management, industry and economic development, political geography, cultural geography, and urbanization. Students will evaluate how geography influences decision-making by analyzing case studies and other examples emphasizing human interaction with the environment. Course work will be rigorous and will include outside reading, reflective writing, research skills and analysis.

H404301 US History Survey**Grade 11****4 Quarters**

Prerequisite: None

US History is designed to teach historical and contemporary views of people, places, events, and dates from multiple perspectives. Students will examine how these views have shaped the development of the US from its indigenous beginnings to its present status as a world influence. Students will also study the many cultures that have and continue to contribute to this development. Topics may include: three worlds collide, revolution, expansion/reform, Civil War/Reconstruction, industrialization, immigration, WWI, 1920s, the Great Depression, the New Deal, WWII, the Cold War, 1950s-70s Civil Rights and modern America.

H475601	IB DP History of the Americas 11 HL	Grade 11	4 Quarters
Prerequisite: Prior IB Prep Social Studies course(s) recommended			
History of the Americas is one of the regional options in the IB curriculum for history at the higher level. This course is a comparative, in-depth study of the Western Hemisphere, centered on US and Latin American History. Students will examine events from pre-colonial societies to modern day and from many different perspectives. Topics may include: English and Spanish colonization, American Revolution and Independence, slavery in the US vs. Latin America, Imperialism and Reconstruction, the Mexican Revolution, the Great Depression, Post WWII US and Latin American events and policies.			
H475411	IB DP History Twentieth Century Topics 12 HL	Grade 12	4 Quarters
Prerequisite: Prior IB Prep Social Studies course(s) recommended			
2 nd course of a 2-year sequence (previous course: H475601). This rigorous course involves the study of topics or units specific to the 20 th century around the world. An emphasis will be placed on comparing and contrasting political, economic and social systems of nations. Topics may include: Imperialism/Nationalism/Industrialism, WWI, Russian Revolution, rise of single party states, Depression/WWII, diplomacy of the Cold War and the role of emerging nations. This rigorous course calls for additional reading, writing and reflection. Document analysis, research, historiography, discussion and writing will be stressed as students investigate history from diverse perspectives. This course will prepare students to take the Higher Level IB history exam.			
H406111	Economics	Grade 12	2 Quarters
Prerequisite: None			
Economic Systems is designed to introduce students to how individuals, households, businesses and governments use scarce resources to satisfy unlimited wants and needs. Students will explore the four distinct areas of economic thought, which include fundamental economic problems, and micro, macro and international economics. Topics include: scarcity, market systems, supply and demand, pricing, income distribution, unemployment, international trade and globalization.			
H401401	US Government	Grade 12	2 Quarters
Prerequisite: None			
This course is designed to teach about the dynamics of the political and social life of the United States. Specific focus areas may include: Constitutional issues, legal issues, civil liberties, human rights, elections, court system, Congress and the Presidency.			
H472101	IB DP Geography SL	Grades 11-12	4 Quarters
Prerequisite: None			
This is an elective Social Studies/Individuals and Societies. Using hands-on field work studies, students will examine the earth with four themes: Place, Process, Power, Possibility and five topics: Changing population; Global climate; Global resource consumption and security; Leisure, sport and tourism; Geography of food and health. Students will examine the impact of the physical environment on people/cultures. Various field studies will be used to study geography on a variety of scales, including local, state and regional. This course is designed to satisfy both the state and university requirements of one year of geography and to prepare the student to test in IB Geography at the Standard Level.			
H404501	African American Studies	Grades 10-12	2 Quarters
Prerequisite: None			
The African American History courses focuses on the African American experience as an American experience. The course builds on understanding the social construction of race, visibility of African Americans in American history and current events. Students can expect to use materials from multiple voices, art, literature and history.			
H407101	Sociology	Grades 10-12	2 Quarters
Prerequisite: None			
This course will explore human society, both the minute aspects of social life (microsociology) as well as global social processes and structures (macrosociology). The study of sociology helps students examine peoples' lives and important events in broader social contexts by understanding how political, economic, and cultural forces constitute social life. Topics may include: socialization, suburbanization and housing, culture, race, ethnicity, gender, sexuality, class stratification, deviance and crime, economic and global inequality, families and intimate relationships, education, religion, and globalization.			
H408001	Current Events	Grades 10-12	2 Quarters
Prerequisite: Prior IB Prep Social Studies course(s) recommended			
This course will examine the role and impact that the media plays in contemporary society. In this course students will be introduced to many different aspects of the media. In addition, we will learn about important issues that affect our local, state and national communities. A focus will be on making interdisciplinary connections between history, current events, and possible implications for the future.			

MATHEMATICS

Students must pass each of the following: Algebra 1 & Intermediate Algebra, Geometry, and Algebra 2 to meet their high school math graduation requirements.

Mathematics Progression Chart

Traditional Math Progression	IB Math Progression
Intermediate Algebra Geometry Algebra 2 IB DP Pre-Math Applications (Math Studies 1) IB DP Math Studies 2	Geometry, Accelerated OR Intro to Algebra 2, Accelerated (9 th only) Algebra 2, Accelerated Pre-Math Analysis (Pre-Calculus) IB DP Math SL (Calculus 1) IB DP Calculus 2 HL (IB Math HL) IB DP Math Analysis HL (Further Math)

M403101 IB MYP Intermediate Algebra Grades 9-12 4 Quarters

Prerequisite: Algebra 1 (8th grade)

In this course, students will explore general functions, linear functions, polynomials, quadratics, and statistics/probability. Students will use technology, mostly graphing calculator and spreadsheet software apps on their iPads, to develop deeper understanding of concepts. This course is a requirement for students who took Algebra 1A in the eighth grade, and it completes the second half of a traditional algebra 1 class. After completion of this course, students will take Geometry or Geometry Accelerated (with teacher recommendation).

M404111 IB MYP Geometry Grades 9-12 4 Quarters

Prerequisite: Intermediate Algebra

In this course, students will explore the application, understanding, and development of geometric properties in two and three dimensions. Students will develop connections between geometric and algebraic concepts. Students will use technology to develop deeper understanding of topics. This course (or Geometry Accelerated) is a requirement for graduation. After completion of this course, students will take Algebra 2 or Algebra 2 Accelerated (with teacher recommendation).

M434111 IB MYP Geometry, Accelerated Grades 9-12 4 Quarters

Prerequisite: Algebra 1, Accelerated or Intermediate Algebra with teacher recommendation

In this course, students will explore the application, understanding, and development of geometric properties in two and three dimensions. Students will develop connections between geometric and algebraic concepts. Students will use technology to develop deeper understanding of topics. This course fulfills the geometry graduation requirement. After completion of this course, students will take Algebra 2 or Algebra 2 Accelerated (with teacher recommendation).****

M434171 IB MYP Intro to Algebra 2, Accelerated Grade 9 4 Quarters

Prerequisite: Algebra 1 and Geometry (middle school), with teacher recommendation

In this course, students will explore linear equations, linear functions, polynomials, quadratic functions, quadratic equations, trigonometry, matrices, and conic sections. Students will use technology, mostly graphing calculator and spreadsheet software apps on their iPads, to develop deeper understanding of concepts. This course is intended for students who have taken algebra 1 and geometry in junior high/middle school, and would benefit from a deeper exploration of topics before taking accelerated math classes at the high school. After completion of this course, students will take Algebra 2 or Algebra 2 Accelerated (with teacher recommendation).

M403151 IB MYP Algebra 2 Grades 10-12 4 Quarters

Prerequisite: Geometry

In this course, students will explore representations and interpretations of many types of functions, including linear, absolute-value, quadratic, polynomial, and exponential. Students will use technology to develop deeper understanding of concepts. This course fulfills the algebra 2 graduation requirement. After completion of this course, students can take Math Studies or Pre-Calculus (with teacher recommendation).

M433151 IB MYP Algebra 2, Accelerated Grades 9-12 4 Quarters

Prerequisite: Geometry, Accelerated with teacher recommendation

In this course, students will explore representations and interpretations of many types of functions, including absolute-value, quadratic, polynomial, exponential, logarithmic, and trigonometric. Students will use technology, mostly graphing calculator and spreadsheet software apps on their iPads, to develop deeper understanding of concepts. This course fulfills the algebra 2 graduation requirement. After completion of this course, students will take Pre-Calculus (with teacher recommendation) or Math Studies.

- M437051 IB MYP Pre-Math Analysis** (formerly Pre-Calculus) **Grades 9-12 4 Quarters**
 Prerequisite: Algebra 2 Accelerated or Math Studies 2 with teacher recommendation
 In this course, students will explore representations and interpretations of many types of functions, including quadratic, polynomial, exponential, logarithmic, and trigonometric. This course continues the exploration of topics covered in accelerated Algebra 2, and at a faster pace. The class prepares highly motivated students for further work in IB and college mathematics. Students are required to use graphing calculators. After completion of this course, students will take Calculus 1 (with teacher recommendation) or Math Studies.
- M477101 IB DP Math Analysis SL** (formerly Calculus 1) **Grades 10-12 4 Quarters**
 Prerequisite: Pre-Calculus with teacher recommendation
 In this course, students will explore topics in differential and integral calculus. This course is similar to a typical freshman calculus class offered in most colleges and universities. The class prepares highly motivated students for further work in IB and college mathematics, and requires mature study habits. Students will prepare for testing at the IB Standard Level or IB Higher Level the following year in Calculus 2. Students are required to use graphing calculators. After completion of this course, students will take Calculus 2 (with teacher recommendation) or Math Studies.
- M477201 IB DP Calculus 2 HL** (formerly Calculus 2) **Grades 11-12 4 Quarters**
 Prerequisite: Calculus with teacher recommendation
 In this course students will study three-dimensional vector geometry, probability, differential equations, applications and techniques of integration, and infinite series. Special emphasis is placed on reasoning, justification and proof. The class prepares highly motivated students for further work in IB and college mathematics, and requires mature study habits. Students will continue to prepare for testing at the IB Standard Level or IB Higher Level. Students are required to use graphing calculators.
- M471301 IB DP Math Analysis HL** (formerly Further Math) **Grade 12 4 Quarters**
 Prerequisite: Calculus 2 course or equivalent with teacher recommendation
 In this course, students will explore further mathematical topics, including linear algebra, geometry, sets and groups, discrete mathematics, calculus, probability, and statistical topics. The material covered in this course is intended to provide a broad basis of mathematical study that prepares students for many mathematical topics in college. This is an IB course, upon completion of which students will be prepared for the Further Mathematics HL IB examination. Students are advised to check with individual colleges to see what, if any, requirements may be fulfilled.
- M471201 IB DP Pre-Math Applications** (formerly Math Studies 1) **Grades 10-12 4 Quarters**
 Prerequisite: Algebra 2 Accelerated or Algebra 2 or concurrent with the above course requirements
 In this course, students will explore topics in algebra, geometry, trigonometry, probability, and statistics. Students will use technology, mostly graphing calculator and spreadsheet software apps on their iPads, to develop deeper understanding of concepts. This course, along with DP Applications and Interpretation SL, prepares students for the Applications and Interpretations standard level IB exam (offered beginning in school year 2020-2021). Students are required to use graphing calculators.
- M471211 IB DP Math Studies 2 SL** (formerly Math Studies 2) **Grades 11-12 4 Quarters**
 Prerequisite: Math Studies 1 or Pre-Calculus or Algebra 2 Accelerated with teacher recommendation
 In this course, students will explore topics in statistics, trigonometry, sequences and series, sets, logic, perimeter, area, volume, probability, calculus, and graph theory. Students will use technology, mostly graphing calculator and spreadsheet software apps on their iPads, to develop deeper understanding of concepts. This course, along with Math Studies 1, prepares students for the Math Studies standard level IB exam offered beginning in school year 2021. (2020 will be the last time this course and IB exam will be offered.) Students are required to use graphing calculators.
- M471411 IB DP Computer Science SL** **Grades 11-12 4 Quarters**
 Prerequisite: Grade of B or better in Algebra 2
 This is a yearlong computer science class using the Python programming language. This course is based on the IB Computer Science Standard Level Syllabus. The course emphasizes: solving problems using computers, examining logical problem solving, and investigating about how computers operate. At the end of this course students should plan on taking the IB Computer Science Standard Level Exam. Students will complete a major software project that will account for at least 35% of their IB grade. This class gives students math elective credit.
- M471421 IB DP Computer Science HL** **Grade 12 4 Quarters**
 Prerequisite: IB DP Computer Science SL
 This is a yearlong computer science class using the Java programming language. This course is based on the IB Computer Science Higher Level Syllabus. The course is a continuation of the Standard Level course with additional coverage of Number Systems, Advanced Data Structures, Algorithms, and Computer Architecture. At the end of this course students should plan on taking the IB Computer Science Higher Level Exam. Students will complete a major software project that will account for at least 35% of their IB grade. This class gives students math elective credit.

SCIENCE

Science Pathways

	Traditional	Intermediate	IB Diploma
Grade 9	Physical Science	Biology	Biology, Accelerated
Grade 10	Biology	Chemistry	Chemistry, Accelerated
Grade 11	Chemistry	Physics	Biology SL or Physics, Accelerated
Grade 12	Physics or Science Elective	Science Elective	Biology SL or Biology HL or Physics, Accelerated or Physics SL

- To enter the Intermediate Path as a 9th grader, the student must have achieved a C or higher in all FOUR quarters of Accelerated Science 8
- To enter the IB Diploma Path as a 9th grader, the student must have achieved a B or higher in at least THREE quarters of Accelerated Science 8
- Students may move between pathways within a subject

S403121 IB MYP Physical Science Grade 9 4 Quarters

Prerequisite: None

This course uses an inquiry approach to learning introductory concepts in physics, chemistry, earth science, space science, and alternative energy, as well as an introduction to skills associated with other high school science courses. This course will use the research process to help students learn to evaluate interactions between physical systems encountered in everyday life.

S406111 IB MYP Biology Grades 9-10 4 Quarters

Prerequisite: Physical Science or middle school equivalent

Biology is a laboratory course that studies cells, genetics, evolution, ecology, cycling of matter, flow of energy, organ systems, and the history and nature of science. Students investigate various problems and study current issues through laboratory activities, scientific inquiry, projects and independent work. Students will prepare lab reports, study various print and online resources, and complete assignments on a regular basis. This course prepares students to be scientifically literate as well as prepare them for future biology and science classes.

S436111 IB MYP Biology, Accelerated Grades 9-10 4 Quarters

Prerequisite: Physical Science or middle school equivalent

This laboratory course is a detailed study of living systems and the history and nature of science. This course covers content from molecules to ecosystems, focusing on structure, function, and interaction at all organizational levels. There is heavy emphasis on investigative learning through laboratory inquiry, with thorough record keeping and written analysis of results, and oral presentations as they interpret/analyze data. The content and pace of the course are enhanced to be consistent with the IB program and prepare students for further science courses. This course should be taken in the 9th or 10th grade and is a prerequisite for further Biology IB classes. It is designed for college-bound students interested in science related careers.

S476131 IB DP Biology SL Grades 11-12 4 Quarters

Prerequisite: Biology or Biology, Accelerated and Chemistry or Chemistry, Accelerated

This course is for highly motivated students interested in biology and ready to accept the challenge of IB. It will prepare students for the SL biology exam. Topics include: ecology and environmental studies, biochemistry, cell biology, advanced genetics, human anatomy, physiology and evolution. The lab experience is an integral and required part of this course, involving short and long-term experiments with quantitative and qualitative observations. The level of study is equivalent to a 1st-year college biology class.

S476141 IB DP Biology HL Grade 12 4 Quarters

Prerequisite: Biology SL

This course is for highly motivated students interested in continuing study of the IB biology curriculum. It prepares students for the HL biology exam. Topics include: cell/molecular biology, genetics, botany, human anatomy/physiology including studies of the immune, nervous, excretory, and reproductive systems. The lab experience is an integral and required part of the course, involving short/long-term experiments with quantitative and qualitative observations. The level of study is equivalent to a 2nd-year college biology class.

- S404111 IB MYP Chemistry** **Grades 10-12 4 Quarters**
 Prerequisite: Algebra 1 & Biology
 Chemistry is an introductory course covering the principles of atomic structure, periodicity, bonding, states of matter, chemical reactions, stoichiometry, and acids and bases. Hands on activities, group projects and laboratory work are an integral part of this course. Critical thinking and problem-solving skills are addressed on a daily basis.
- S434111 IB MYP Chemistry, Accelerated** **Grades 10-12 4 Quarters**
 Prerequisite: Algebra 1 & Biology
 This is a comprehensive course in chemistry, which covers topics like stoichiometry, atomic structure, periodicity, chemical bonding, chemical equilibrium and organic chemistry. Practical and lab work are an integral component of the course. Critical thinking and problem solving skills are addressed on a daily basis.
- S405111 Physics** **Grades 11-12 4 Quarters**
 Prerequisite: Algebra 1
 Physics focuses on forms of energy and their interactions, and investigates motion, forces, conservation of energy, momentum, heat, waves, light, magnetism and electricity. Critical thinking, mathematical problem solving, group projects, and laboratory work are integral parts of the course. Physics prepares students who are interested in non-science careers for future science classes in high school, college or vocational school.
- S435111 Physics, Accelerated** **Grades 11-12 4 Quarters**
 Prerequisite: Algebra 2, Accelerated, Chemistry, Accelerated or Biology, Accelerated
 This course covers the same concepts as regular physics, but in greater depth and with a stronger mathematical emphasis. This course is required for students who plan to test in IB physics. The lab experience is an integral and required part of this course, introducing methods of research, data collection and mathematical analysis. Students electing to enroll in this course should be highly motivated science students and have mature study habits.
- S475101 IB DP Physics SL** **Grade 12 4 Quarters**
 Prerequisite: Physics, Accelerated, Algebra 2, Accelerated or teacher recommendation
 This course is the study of theories associated with physical phenomena governing the relationships of matter and energy. Students will build on topics from Accelerated Physics in greater depth and cover extended topics from the IB subject guide, including Nuclear and Particle Physics and Energy Production. The lab experience is an integral and required part of this course, focusing on research, data collection and mathematical analysis. Students may elect to take the Physics IB SL exam at the completion of this course.
- S436511 Anatomy & Physiology** **Grades 11-12 4 Quarters**
 Prerequisite: Biology and Chemistry
 This course introduces structural and functional aspects of the major systems of the human body. Techniques used to investigate the human body in this class involve: inquiry-based labs, lab reports, presentations, illustrations, case studies and more. Anatomy is a very language-based course and focuses on students who have an interest in the human body, biology, or a future career in the medical field.

CAREER & TECHNICAL EDUCATION

Agriculture, Automotive Center, Computer Science & Engineering, Film, Saint Paul Career Pathways Academy, Woodworking, Yearbook (Electronic Publishing)

AGRICULTURE

K401022 **IB MYP Introduction to Agriculture** **Grades 9-12** **2 Quarters**

Prerequisite: None

Students will get the buffet of agriculture-learning a little bit of everything! Students explore topics in animal science, plant science, natural resources & wildlife, and biotechnology. Hands-on experiences will be used to teach topics in agriculture while taking advantage of seasonal opportunities. This course will provide opportunities to explore the high school course offerings in the agriculture department.

K401001 **IB MYP Small Animal Care** **Grades 9-12** **2 Quarters**

Prerequisite: None

Dogs and hamsters and snakes - oh my! Learn how to take care of your favorite pets, from their nutrition and safety, to training and setting them up for long-term health. The course will focus on dogs, cats, rabbits, birds, reptiles, guinea pigs, rodents, and fish - with lots of hands-on and problem-solving - so it's great for any pet owner or aspiring animal-related professional.

K401081 **IB MYP Veterinary Science** **Grades 10-12** **2 Quarters**

Prerequisite: Small Animal Care

Did you enjoy Small Animal Care? Want to learn more? Explore animal systems, diagnose diseases and determine the best treatment for your furry family member. Build a foundational understanding of the biological and environmental factors in disease transmission, explore what causes illnesses, and learn about the prevention and treatment of common animal disorders. Additionally, students will learn technical skills such as how to administer an injection, wound wrapping, and suturing.

K401061 **IB MYP Floral Design** **Grades 9-12** **2 Quarters**

Prerequisite: None

You can't have a successful event without a great floral arrangement! Whip out your shears and create floral arrangements, centerpieces, bows and corsages - putting the best design tools and principles into use. Learn how to identify and care for cut flowers and understand their specific uses in design work. Get a first-hand look at the floral industry as you plan and price out the flowers for an event such as a wedding.

K401011 **IB MYP Plant Science (Horticulture)** **Grades 9-12** **2 Quarters**

Prerequisite: None

Give your green thumb a workout in the warmth of our school! This course is designed as an overview of the characteristics of plants, so you'll get your hands dirty and learn all about plant anatomy and growth. You'll walk away confident in your ability to identify common plants - and care for them - so you'll be able to impress the gardening experts in your life.

K402001 **IB MYP Wildlife Management** **Grades 9-12** **2 Quarters**

Prerequisite: None

Up your game - make hunting and fishing more than just a hobby! Improve your knowledge of Minnesota's game species and the ecological, physical and environmental components of wildlife management. You'll study the ecology of wildlife species' needs, struggles and populations, and suggest ways to manage these populations to help them thrive.

K402001 **IB MYP Natural Resources** **Grades 9-12** **2 Quarters**

Prerequisite: None

Make Minnesota's great outdoors your classroom as we take learning outside to explore Minnesota's forests, soil and water. You'll learn about the anatomy and physiology, growth, and development of trees; soil structure, nutrient analysis, and erosion; and water management and pollution. We'll talk about the environmental and economic impact of these intricate ecosystems on our state and world, plus analyze ways that our population can preserve, protect and manage natural resources for the future.

AUTOMOTIVE CENTER

T432111 Automotive Maintenance & Light Repair 1

Grades 11-12 2 Quarters

Prerequisite: None. This class meets 3 periods per day at Linwood/Monroe, AM or PM

Allows students to explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, and the fundamentals of operation, maintenance, and basic repair procedures for automotive engine mechanical systems, heater and air conditioning systems, and drive train systems. Classroom and shop activities simulate automotive service industry operations through the use of training aids, shop vehicles, and customer work as available. Completion of Maintenance and Light Repair 1 will give the student a good foundation in the operation, maintenance, and repair of an automobile and prepare students for employment, further advanced training in a post-secondary automotive program, and NATEF certification.

T432121 Automotive Maintenance & Light Repair 2

Grades 11-12 2 Quarters

Prerequisite: Automotive Maintenance & Light Repair 1 or equivalent. This class meets 3 periods per day at Linwood/Monroe, AM or PM

Allows students to explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, and the fundamentals of operation, maintenance, and basic repair procedures for automotive electrical systems and engine performance systems, as well as the fundamentals of hybrid vehicle information. Classroom and shop activities simulate automotive service industry operations through the use of training aids, shop vehicles, and customer work as available. Completion of Maintenance and Light Repair 2 will give the student a good foundation in the operation, maintenance, and repair of an automobile and prepare students for employment, further advanced training in a post-secondary automotive program, and NATEF certification.

T432131 Automotive Maintenance & Light Repair 3

Grades 11-12 2 Quarters

Prerequisite: Automotive Maintenance & Light Repair 1 & 2, or equivalent. This class meets 3 periods per day at Linwood/Monroe, AM or PM

Allows students to explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, and the fundamentals of operation, maintenance, and basic repair procedures for automotive suspension systems, steering systems, and brake systems. Classroom and shop activities simulate automotive service industry operations through the use of training aids, shop vehicles, and customer work as available. Completion of Maintenance and Light Repair 3 will give the student a good foundation in the operation, maintenance, and repair of an automobile and prepare students for employment, further advanced training in a post-secondary automotive program, and NATEF certification.

COMPUTER SCIENCE & ENGINEERING

T405301 IB MYP Intro to Computer Programming / 3-D Modeling

Grades 9-12 2 Quarters

Prerequisite: None.

An introductory programming course for that covers a variety of topics, including the following: 3D Software Modeling, Robotics and Programming, Cloud computing, collaboration and task management.

M471411 IB DP Computer Science SL

Grades 11-12 4 Quarters

Prerequisite: Grade of B or better in Algebra 2

This is a yearlong computer science class using the Python programming language. This course is based on the IB Computer Science Standard Level Syllabus. The course emphasizes: solving problems using computers, examining logical problem solving, and investigating about how computers operate. At the end of this course students should plan on taking the IB Computer Science Standard Level Exam. Students will complete a major software project that will account for at least 35% of their IB grade. This class gives students math elective credit.

M471421 IB DP Computer Science HL

Grade 12 4 Quarters

Prerequisite: IB DP Computer Science SL

This is a yearlong computer science class using the Java programming language. This course is based on the IB Computer Science Higher Level Syllabus. The course is a continuation of the Standard Level course with additional coverage of Number Systems, Advanced Data Structures, Algorithms, and Computer Architecture. At the end of this course students should plan on taking the IB Computer Science Higher Level Exam. Students will complete a major software project that will account for at least 35% of their IB grade. This class gives students math elective credit.

T431481 IB MYP Introduction to Engineering Design

Grades 9-12 4 Quarters

Prerequisite: Grade of B or better Algebra 1 & enrollment in college preparatory mathematics

This is an introductory engineering course to develop problem-solving skills. Using 3D computer modeling software, students will learn the design process and solve design problems for which they develop, analyze and create product models. Students earn 3 credits at the University of Minnesota (and other schools) by passing the spring exam.

T431491 Project Lead the Way: Principles of Engineering Grades 9-12 4 Quarters

Prerequisite: To be successful in Principles of Engineering, students should be concurrently enrolled in college preparatory math and science. High school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering that gives students the opportunity to develop skills and understanding of course concepts through creative problem solving.

T431611 Project Lead the Way: Civil Engineering & Architecture Grades 9-12 4 Quarters

Prerequisite: Enrollment in college preparatory mathematics
Students apply what they learn about various aspects of civil engineering and architecture to the design and development of a property. Working in teams, students explore hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D architectural design software to help them design solutions to solve major course problems. Students learn about documenting their project, solving problems and architecture. Students earn 3 credits at the University of Minnesota (and other schools) by passing the spring exam. Students can select to use these credits to cover either their Technology or Art graduation requirement.

T431461 Project Lead the Way: Computer Science and Software Engineering Grades 9-12 4 Quarters

Prerequisite: None
This course can be a student's first in computer science. Students create apps for mobile devices, automate tasks in a variety of languages, find patterns in data, and interpret simulations. Students collaborate to create and present solutions that can improve people's lives. It uses Python® as a primary tool and incorporating multiple platforms and languages. Projects and problems include mobile app development, cyber security and cryptography, visualization of data, algorithms and agile development, GUIs in Python (Graphical User Interface), and simulation and Intelligent Agents.

T431633 Project Lead the Way: Cybersecurity Grades 9-12 4 Quarters

Prerequisite: None
This course can be a student's first in computer science. This is a yearlong course. Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. This will be accomplished through problem-based learning, where students roleplay as cybersecurity experts and train as cybersecurity experts do. Units include Personal Cybersecurity, System Security, Network Security, and Applied Cybersecurity. Students will study cryptography algorithms, signatures and symptoms of malware, use a virtual lab to implement protection measures to secure computers and devices on a network, use digital forensics investigative techniques, and use Penetration testing software.

FILM

T471001 IB DP Film SL Grades 11-12 4 Quarters

Prerequisite: None
The Diploma Program film course aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. Students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures. Students will develop the professional and technical skills (including organizational skills) needed to express themselves creatively in film. Students will have the opportunity to take the IB Diploma Exam as part of this class.

T471011 IB DP Film HL Grades 12 4 Quarters

Prerequisite: IB DP Film SL
This course is a continuation of the topics covered in IB DP Film SL. Students continue the study and analysis of film texts and exercises in film-making, the course explores film history, theory and socio-economic background. Additionally, students in this course collaboratively produce a 5-7 minute narrative film. Students will have the opportunity to take the IB Diploma Higher Level Exam as part of this class.

SAINT PAUL CAREER PATHWAYS ACADEMY

The Saint Paul Career Pathways Academy is a high school program located at Saint Paul College where students can explore careers, take rigorous courses, and have the opportunity to earn high school and college credit. See your counselor if you are interested in applying for Career Pathways.

C531513 **Medical Careers/Nursing Assistant** **Grades 11-12** **2 Quarters**

Prerequisite: None

B538111 **Introduction to Business** **Grades 11-12** **2 Quarters**

Prerequisite: None

B538513 **Business Computer Fundamentals** **Grades 11-12** **2 Quarters**

Prerequisite: None

WOODWORKING & DESIGN

T40201 **IB MYP Digital Design and Fabrication** **Grades 9-12** **2 Quarters**

Prerequisite: None

In this product design course, students will focus on using the design cycle to develop and build projects. Projects in this course involve a wide range of design areas including graphic design and fabrication through a variety of tools. Tools include computer-controlled machines such as a laser engraver.

T402111 **Woodworking, Beginning** **Grades 9-12** **2 Quarters**

Prerequisite: None

In this beginning woodworking course, students will demonstrate the safe and proper use of hand tools and operation of selected woodworking power equipment in the construction of assigned project(s). Projects include a wooden box and a lamp. Students use the design cycle to develop and create laser engraved designs on their projects.

T402121 **Woodworking, Intermediate** **Grades 9-12** **2 Quarters**

Prerequisite: Woodworking, Beginning

Students in this course learn intermediate-level methods for the use of hand tools and operation of woodworking power equipment in the construction of assigned project(s). Students will work more independently on projects that involve the processes of designing and creating. Topics for the course include the continued development of the use of hand tools, joinery, and woodturning.

T402131 **Woodworking, Advanced** **Grades 10-12** **2 Quarters**

Prerequisite: Woodworking, Intermediate

Students in this course learn advanced-level methods for the use of hand tools and operation of woodworking power equipment in the construction of assigned project(s). Students in this course have the opportunity to design and build independent projects. Assignments in the course involve the processes of designing and creating these original projects. Topics for the course include research, design, layout, as well as the continued development of the use of tools, joinery, and woodturning.

YEARBOOK (ELECTRONIC PUBLISHING)

T405611 **Yearbook (Electronic Publishing)** **Grades 10-12** **4 Quarters**

Prerequisite: None

Students in this course will design and produce the 2019-2020 school yearbook using the online program StudioWorks. Students will be assigned numerous spreads over the course of the school year and will need to be able to meet set deadlines. We will discuss layout, writing, editing techniques, headlines, picture captions, and photography. Students will also take part in selling business ads to local companies and participate in the distribution of the yearbook.

FINE ARTS

Performing Arts, Visual Arts

PERFORMING ARTS

P402431 **IB MYP Band, Intermediate** **Grades 9-12** **4 Quarters**

Prerequisite: At least one year of band experience on instrument of choice

Students will study fundamentals of music in a sit-down Concert Band setting. They will prepare a solo piece and perform in both Pep and marching events outside of class as well as the Winter Concert.

P402331 **IB MYP Band, Advanced** **Grades 9-12** **4 Quarters**

Prerequisite: Band, Intermediate

Students will practice and perform symphonic music written for band. A study of rudiments, style, harmony, marching and history of music will also be incorporated into the class. Students will be required to participate in after school performances and practices, such as parades, concerts, pep band performances and sectionals.

P432431 **IB DP Band, Honors** **Grades 9-12** **4 Quarters**

Prerequisite: Schedule an audition with teacher

This is the most advanced level performing ensemble. Students will practice and perform symphonic music written for band. A study of rudiments, style, harmony, marching and history of music will also be incorporated into the class. Students will be required to participate in after school performances and practices, such as parades, concerts, pep band performances and sectionals. Students have the possibility of earning a weighted honors point for this class if they complete an application with the instructor and satisfy all the requirements. Information regarding this process will be presented in the class.

P402171 **IB MYP Mixed Choir, Beginning** **Grades 9-12** **2 Quarters**

Prerequisite: None

Students in this choir receive instruction in the development of the male and female voices, development in harmony singing, and music literacy (reading notation, music history) using choral literature written and arranged for mixed voices. Open to all beginners. Ideal for those who can only take a semester.

P402491 **IB MYP Mixed Choir, Intermediate** **Grades 9-12** **4 Quarters**

Prerequisite: None

This choir is designed for singers in grades 9 – 12 that come from all different musical backgrounds. This is a great choir that will perform repertoire in two, three, and four-part harmonies. We will start out the year with basic music theory and progress as the year goes on. Students will participate in daily sight singing, rhythm reading, and will sing music from all different types of genres.

P401761 **IB MYP Songwriting/Composition** **Grades 9-12** **2 Quarters**

Prerequisite: None

Students will study basic elements of composition and music theory and apply this knowledge to create their own songs. Students will learn melodic and harmonic frameworks of songs in forms including blues and 32 bar form. Songs from a variety of genres will be examined to study the combination of lyric patterns with melody and harmony. The musical expressiveness of various lyrical, melodic, and harmonic devices will be analyzed. Students will compose songs in several forms, and make musical decisions based on their aesthetic intent as composers. Students will learn to write out their compositions in proper notation to allow preservation and sharing of work.

P404111 **IB MYP World Music Appreciation** **Grades 9-12** **2 Quarters**

Prerequisite: None

World Music explores ethnomusicology through study of different music systems, including their cultural influence and functions. Areas explored may include Gamelan (Javanese and/or Balinese,) Japanese Taiko drumming, traditional classical music of India, drumming traditions of Africa, Afro-Cuban and Caribbean music, Argentine Tango, Mariachi, and Native American and First Nations traditional and contemporary music. Students will learn to identify the characteristic forms of the various music systems studied, and how the elements of music interact in these different systems. Students will also learn the roles music plays in the different cultures studied.

P431701	IB Choir, Honors	Grades 10-12	4 Quarters
Prerequisite: Teacher recommendation			
This is a performance-based course that will study sight-reading, ear training, and vocal techniques as students singing in a traditional choral setting. Student participation is required at school concerts and other community events. Students have the possibility of earning a weighted honors point for this class if they complete an application with the instructor and satisfy all the requirements.			
P432233	IB Orchestra, Honors	Grades 9-12	4 Quarters
Prerequisite: Teacher recommendation, audition & Orchestra, Beginning (P402211)			
Students will play a variety of music and participate at school and community events. Attendance is required at school concerts and other community events. Fundamentals and advanced playing techniques are stressed. This course may be repeated. Responsible students may borrow a string instrument with parental permission. Students have the possibility of earning a weighted honors point for this class if they complete an application with the instructor and satisfy all the requirements.			
P402711	IB MYP Percussion, Beginning	Grades 9-12	2 Quarters
Prerequisite: An interest in learning a percussion instrument			
This is an exploratory course for students who have no previous music training. Fundamentals of music and percussion playing are taught. Students may borrow a school drum pad or other percussions instrument with parental permission and required responsibility. Drumsticks will need to be purchased.			
P403211	IB MYP Piano, Beginning	Grades 9-12	2 Quarters
Prerequisite: None			
Beginning or advanced piano student who works at his or her own level. Weekly assignments and a performance recital, or preferably under 15. Keyboards are provided.			
P403221	IB MYP Piano, Intermediate	Grades 9-12	2 Quarters
Prerequisite: None			
Intermediate piano is a class that is designed to work with students that already have some understanding of basic piano or music skills. This class will focus on reviewing the fundamentals of music while challenging students to create music that is appropriate to their skill level. In this class, we will do some large group instruction, but most of the repertoire will be different and leveled for the student's ability level.			
P403111	IB MYP Dance, Beginning	Grades 9-12	2 Quarters
Prerequisite: None			
You can dance if you want to! No experience necessary! Beginning Dance is a survey course on all aspects of dance. Students will learn basic dance technique in a variety of dance forms: social, performance, and traditional, The class also covers some basic dance history, elements of viewing and choreographing dance, and performance qualities.			
P475131	IB DP Dance HL	Grades 11-12	4 Quarters
Prerequisite: Dance experience or teacher audition			
IB Advanced Dance is a course designed to encourage students to examine dance in its diversity of forms from around the world. This is achieved through a critical study of the history and practice of dance, and will find expression through technique, choreography, and performance. Students build on basic technique, learn at least two forms of world dance, explore modes of critiquing and analyzing dance, choreograph their own work, and also learn performance pieces from guest choreographers. This is an IB exam level course, so all who are interested in testing in Dance will be invited/prepared to do so. The exam is made of three components: 1) A research investigation – comparing two dance traditions, 2) Composition – of at least two short pieces, and 3) Performance –both composition and performance will be filmed and mailed to the examiner.			
P405111	IB MYP Acting, Beginning	Grades 9-12	2 Quarters
Prerequisite: None			
This class is designed to help students discover the power of their artistic imagination through a variety of theatre-based activities. Creating safe space and group collaboration is at the foundation of all the work. Students are introduced to improvisation, script work, character development, playwriting and a variety of skills that enhance creativity, self-esteem and cultural awareness. Students use this knowledge to solve problems, communicate meaning and define their own personal creative voice. Throughout the term students will perform for family members and students, and the class culminates in a comprehensive performance.			
P405101	IB MYP Intro to Theater	Grades 9-12	2 Quarters
Prerequisite: None			
Introduction to Theatre Arts is a survey course that gives students an overview of theatre's influence on, and reflection of a variety of cultures and societies, both current and historical. Students will participate in activities; experiencing a range of skills used to create theatre productions. Activities include, but are not limited to: storytelling, pantomime, improvisation, acting, stagecraft, backstage safety, and history. Students will learn the value of interacting with a live audience, and gain an appreciation for both performance and technical aspects of productions.			

VISUAL ARTS

Art offers a way for students to develop a wide range of thinking skills and habits of mind including visual awareness, brainstorming, and seeing things from multiple points of view. All classes include lecture, study, demonstration, research, and hands-on studio work.

V400111 **IB MYP Intro to Visual Arts** **Grades 9-12** **2 Quarters**

Prerequisite: None

This course is designed for creative students who would like a variety of artistic experiences. Students will learn techniques and skills in art forms such as collage, painting, murals, stop motion animation, and sculpture. Students will explore some art history and learn to use the elements and principles of art design across multiple art media.

V401111 **IB MYP Drawing, Beginning** **Grades 9-12** **2 Quarters**

Prerequisite: None

Beginning Drawing will focus on technical skills and formal organization concepts. These primary concepts will be studied and then used to create expressive drawings. Students will solve design and technical problems using the artistic process: plan, create, revise, justify. In addition, students will develop their life drawing skills and be introduced to several drawing media.

V401141 **IB MYP Drawing, Advanced** **Grades 9-12** **2 Quarters**

Prerequisite: Drawing, Beginning

Advanced Drawing: In this course, students continue to demonstrate their understanding of the artistic process, formal organization, and drawing techniques. The students will also demonstrate the ability to interpret and evaluate complex works of art. Students are encouraged to experiment with subject matter as well as materials, and create artworks that reflect sensitivity, commitment, and an understanding of aesthetic considerations.

V401211 **IB MYP Painting, Beginning** **Grades 9-12** **2 Quarters**

Prerequisite: None, lab fee required

Technical skills and formal organizational concepts will be studied and then used to create expressive paintings. In a safe environment, students will learn to explore the properties, qualities, and capabilities of paint and painting tools. Students will gain knowledge of color theory and experience various painting techniques. The elements and principles of design will be used as guidelines for creating compositions that are formally organized.

V401231 **IB MYP Painting, Advanced** **Grades 9-12** **2 Quarters**

Prerequisite: Painting, Beginning

Advanced Painting will build on the knowledge gained in Beginning Painting. In this course, students will further demonstrate their understanding of the artistic process, formal organization, and painting techniques. The students will also demonstrate the ability to interpret and evaluate complex works of art. Students are encouraged to experiment with subject matter as well as materials, and create artworks that reflect sensitivity, commitment, and an understanding of aesthetic considerations. Ideas generated by personal experiences, other artists' works (both contemporary and historical), and design problems will be used as the student develops a personal painting style.

V402111 **IB MYP Ceramics, Beginning** **Grades 9-12** **2 Quarters**

Prerequisite: None, lab fee required

This course introduces the student to the skills, vocabulary, and techniques necessary to create pottery and clay sculpture. Students will learn basic clay techniques and processes including building by hand, using the potter's wheel, glazing, and firing. While the students consider the different stages of development of their art, they will also apply the elements and principles of good design and craftwork to their creations. As they create functional and non-functional pieces, the students will explore how ceramics can be expressive and meaningful.

V402131 **IB MYP Ceramics, Advanced** **Grades 9-12** **2 Quarters**

Prerequisite: Ceramics, Beginning and lab fee required

Advanced Ceramics. This course will give students the opportunity to gain an advanced level of understanding for the entire ceramic process. Students will apply the knowledge gained in beginning ceramics to create more advanced ceramics projects. The special qualities of the materials and processes used in ceramics will be further explored. As they continue to examine all stages of their work, the students will begin developing their own artistic style within the ceramics media. Students will interpret and evaluate works of art using advanced criteria and critical thinking skills. Students will apply the elements and principles of good design as they create both functional and non-functional pieces and learn how ceramics expressive and meaningful.

V402311 **IB MYP Sculpture, Beginning** **Grades 9-12** **2 Quarters**

Prerequisite: None

This course introduces the students to skills, vocabulary, and techniques necessary to create sculpture. Students will learn basic techniques in three-dimensional art processes including both traditional and nontraditional materials including but not limited to wire, plaster, found objects, metal, plastic, ceramics and other material and processes. While students consider the different stages of development of their art they will also apply the elements

and principles of good design and craftwork to their creations. As students create realistic and abstract pieces they will explore how sculpture can be expressive and thoughtful.

V402331 IB MYP Sculpture, Advanced Grades 9-12 2 Quarters

Prerequisite: Sculpture, Beginning

Advanced Sculpture will build on the knowledge and skills gained in Beginning Sculpture. In this course, students will further demonstrate their understanding of the artistic process, formal organization, and sculptural techniques. Students will demonstrate an understanding of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts may be articulated through additive, subtractive, and/or fabrication processes. A variety of approaches to representation will be addressed. Students will also demonstrate the ability to interpret ideas generated by personal experiences, other artists' works (both contemporary and historical), and design problems will be used as the student develops a personal style.

V470111 IB DP Visual Arts Grades 10-12 4 Quarters

Prerequisite: Completed summer assignment. Materials needed: One sketchbook (Investigation Workbook), hard bound, 8.5" x 11", unlined, not perforated, ~100 pages.

Visual Arts International Baccalaureate (IB) is a rigorous two-year course, which coincides with the International Baccalaureate examination. The exam includes a comparative study (20%), process portfolio (40%), and exhibition (40%). Students enrolled in this course will: 1) investigate past, present and emerging forms of visual arts and engage in producing, appreciating, and evaluating these 2) develop an understanding of visual arts from a local, national and international perspective 3) build confidence in responding visually and creatively to personal and cultural experiences 4) develop skills in, and sensitivity to, the creation of works that reflect active and individual involvement 5) take responsibility for the direction of their learning through the acquisition of effective working practices.

V400171 IB MYP World Art Appreciation Grades 9-12 2 Quarters

Prerequisite: None, lab fee required/basic computer skills

Teachers will choose one of the cultures (Europe, Africa, Asia, etc.) to explore throughout the term. This course introduces the student to the skills, vocabulary, and techniques necessary to understand the cultures art and history. Students will learn basic clay, drawing, poetry, and movement techniques connected to the culture. While the students consider the different stages of development of their art, they will also apply the elements and principles of design and craftwork to their creations.

V408271 IB MYP Digital Photo, Beginning Grades 9-12 2 Quarters

Prerequisite: None, lab fee required/basic computer skills

This is a course in which students use digital photography & computer software to study design. The course includes study of the photographic image, image production, and use of digital cameras. Outdoor learning activities when weather permits. A \$10 lab fee is required. Students will need a digital camera or phone that can take and download pictures.

V408281 IB MYP Digital Photo, Advanced Grades 9-12 2 Quarters

Prerequisite: Digital Photo, Beginning, lab fee required/basic computer skills

This is a course in which students use digital photography & computer software to study design. The course includes study of the photographic image, image production, and use of digital cameras. Outdoor learning activities when weather permits. A \$10 lab fee is required. Students will need a digital camera or phone that can take and download pictures.

V408261 IB MYP Digital Filmmaking, Beginning Grades 9-12 2 Quarters

Prerequisite: Digital Photo, Beginning & Computer Design

Students will investigate the creative possibilities of visual storytelling, as they produce short film pieces in narrative, experimental, and documentary forms. Software includes but is not limited to i-photo, Photoshop, illustrator, and i-movie. Course includes lecture, study, readings, demonstration, research, and hands-on studio work. Time will be spent in the studio for application of learned techniques. Substantial production work outside of class may be required.

V408341 IB MYP Digital Filmmaking, Advanced Grades 9-12 2 Quarters

Prerequisite: Digital Filmmaking, Beginning

In this laboratory course students will further develop the skills and techniques that they learned in beginning filmmaking, explore digital videos at an advanced level, and produce a range of videos that incorporate industry standard software. Students will produce experimental, narrative, and/or documentary films while learning about the history of filmmaking and the works of specific artists. Students will be encouraged to share films with SPNN and IFP, and to utilize community resources. Film will be viewed as a communication tool, which can be used to entertain, educate, inform, or persuade. This course may be repeated for additional credit and treated as a studio level course.

HEALTH & PHYSICAL EDUCATION

T407111 IB MYP Individual & Community Health

Grade 10

2 Quarters

Prerequisite: None

This required course provides students with knowledge, attitudes and skills to make health-promoting decisions. It addresses the physical, mental, emotional, social, spiritual dimensions of health. Good health is not a one-time decision but a series of decisions continuing throughout our lives.

G400111 IB MYP Physical Education 9

Grade 9

2 Quarters

Prerequisite: None

Phy-Ed is an essential and basic part of the total educational program. It contributes to the development of students through the natural medium of physical activity and recognizes the physical, mental, emotional, and social characteristics of students. The P.E. program provides a variety of motor experiences to help students develop the skills, knowledge, and attitudes necessary to maintain health and function in society.

G407701 IB MYP Yoga (Stress Management: Mindful Meditation & Relaxation)

Grades 10-12

2 Quarters

Prerequisite: None

This yoga class is for beginners who want to learn about basic postures and breathing exercises that derive from ancient India. Students are encouraged to develop a greater body-mind alliance, which is often not addressed in our culture. The combination of relaxation, general body toning, flexibility, and meditation gives the student an awareness of their human potential. Students will be given tools to reduce tension, increase energy levels and move efficiently. Students will be exposed to the language, philosophy, history and concepts of Yoga. A typical class will include breathing techniques, meditation, balancing, and inverted poses.

G402001 IB MYP Basketball

Grades 10-12

2 Quarters

Prerequisite: Passing grade in Physical Education 9

This course is designed for students with some playing experience. Students will practice the skills that are utilized in the game of basketball. The skills addressed will be dribbling, passing and receiving, executing plays, shooting and follow through, offensive and defensive roles. Small-sided games will be practiced to incorporate these skills to lead up to scrimmages.

G403111 IB MYP Gymnastics

Grades 10-12

2 Quarters

Prerequisite: Passing grade in Physical Education 9

This course will provide students with the opportunity to learn about the sport of gymnastics. Students will gain knowledge and understanding on the floor exercise, balance beam, uneven parallel bars and vault. They will learn how to create floor routines as well as balance beam routines.

G403011 IB MYP Soccer – Team Sports

Grades 10-12

2 Quarters

Prerequisite: Passing grade in Physical Education 9

This course is designed for students with some playing experience. Students will practice the skills that are utilized in the game of soccer. The skills that are practiced will be Dribbling, passing and receiving, heading, feinting, shooting and finishing, and defending, as well as small group tactics. Small-sided games will be practiced to incorporate these skills to lead up to not only an outdoor game but also an indoor game.

G403013 IB MYP Ultimate Frisbee – Team Sports

Grades 10-12

2 Quarters

Prerequisite: Passing grade in Physical Education 9

This course will give students an opportunity to learn about a variety of team sports such as Volleyball, Floor Hockey, Basketball, Badminton, Soccer, Flag Football and Ultimate Frisbee. Ultimate Frisbee will be the major focus once weather conditions allow us to be outside. Students will be able to understand and demonstrate the rules of these team sports.

G401211 IB MYP Strength & Fitness Training

Grades 10-12

2 Quarters

Prerequisite: Passing grade in Physical Education 9

This course meets the standards of motivated students in developing the skills and knowledge in weight training. Students will receive information on proper lifting techniques. Students will also design their own weight-training program.

G401481 IB MYP Racquet Sports **Grades 10-12 2 Quarters**
Prerequisite: Passing grade in Physical Education 9
Racquet Sports is designed for students with some experience in racquet sports who would like to improve their game. Students will review rules, etiquette, serving and strokes. Emphasis will be placed on doubles play and improved individual fundamentals. Students who enjoy badminton and tennis will benefit from this class.

G402201 IB MYP Volleyball **Grades 10-12 2 Quarters**
Prerequisite: Passing grade in Physical Education 9
This course introduces skills of competitive volleyball. Emphasis is placed on improving individual fundamentals (serving, serve receive, passing, digging and hitting), rules and strategies of volleyball.

LANGUAGE ACADEMY (ENGLISH LEARNERS)

LEVEL 1

E403011 1S Language through Science **Grades 9-12 4 Quarters**
Prerequisite: Language Academy Designation
Language Development through Science is a survey course to introduce students to life science, physical science, earth science as well as the nature of science and engineering while simultaneously developing their English language skills. This 4-credit elective science course targets students with emerging English language skills between WIDA levels 1 and 2 and students will learn to read and write in English through studying science. Throughout the year, explicit attention is paid to the English-language development of students across the four modalities of listening, reading, writing and speaking within the content of science. The four modalities will be integrated into daily lessons with an emphasis on the productive domains. Language instruction will develop vocabulary, sentence structures, and discourse patterns in English with a specific focus on those found in this content. The Common Core State Standards in reading, writing, speaking, viewing and media literacy are integrated throughout the course.

E406011 1H Language through Geography **Grades 9-12 4 Quarters**
Prerequisite: Language Academy Designation
Students in Language Development through Geography pursue the study of geography and geographical inquiry while simultaneously developing their English language skills. This 4-credit elective social studies course targets students that have emerging English language skills at approximately a WIDA level 1. Throughout the year, explicit attention is paid to the English-language development of students across the four modalities of listening, reading, writing and speaking within the content of geography. The Common Core State Standards in reading, writing, speaking, viewing and media literacy are integrated throughout the course. Students will learn to read and write in English through studying and working on geography. Language instruction will develop vocabulary, sentence structures, and discourse patterns in English with a specific focus on those found in social studies. The four modalities will be integrated into daily lessons with an emphasis on the productive domains. This course focuses on introductory geography concepts. Students will explore and learn how to read, use, and interpret maps for different purposes using absolute and relative location. Students will investigate key features of a map, be able to interpret spatial information and map symbols. They will explore regions in both a global and US context to describe location and compare and contrast physical features.

E421011 1L Language & Literacy **Grades 9-12 4 Quarters**
Prerequisite: Language Academy Designation
The goal of this class is to accelerate emergent bilingual students acquisition of English to enable them to function successfully in a grade level academic environment. This goal will be accomplished through work in four domains of language: Listening, Speaking, Reading and Writing. The class will be highly differentiated due to the broad range of English proficiency levels represented by students in the Language Academy.

LEVEL 2

H409901 World History **Grades 9-12 4 Quarters**
Prerequisite: Language Academy Designation
Students pursue in-depth study of historical thinking skills and world history to equip them with the knowledge and skills required for success in postsecondary education (i.e., freshman level courses), the skilled workplace and civic life. Students will also receive instruction to develop their oral and written English abilities. This history course targets students that have emerging English language skills at approximately a WIDA level 2. This course uses a thematic and case study approach to illustrate historical trends and patterns around recurring themes. Students will explore how people interact with the world around them and how cultures interact and develop over time. Students will investigate how societies organize their economies and what drives people to innovate, explore and expand. The amount of content in the standards for World History corresponds to the course credit graduation requirements identified in Minn. Stat. § 120B.024. (Minnesota Department of Education, Saint Paul Public Schools). Throughout the year, explicit attention is paid to the English-language development of students. Language instruction will develop vocabulary, sentence structures, and discourse patterns in English with a specific focus on those found in social studies. The four modalities of language (speaking,

listening, reading and writing) will be integrated into daily lessons with an emphasis on the productive domains. Language instruction will also help students understand features of text and structures of writing associated with informative/expository writing. This will be taught on a rotating basis.

H402211 Human Geography

Grades 9-12 4 Quarters

Prerequisite: Language Academy Designation

In this one-year course, students will be introduced to the study of geography as a social science by emphasizing the relevance of geographic concepts to human problems. This course uses a thematic approach and focuses on the following themes: population and migration, agriculture, natural resource allocation and management, industry and economic development, political geography, cultural geography, and urbanization. Students will evaluate how geography influences decision-making by analyzing case studies and other examples emphasizing human interaction with the environment. Content will incorporate a variety of scales- from local to global. Students will also learn holistic learning, intercultural perspectives, and communication models to prepare them for future classes and success in life. Students will be expected to analyze and create maps, research in-depth geographical topics, complete projects, and create in-class presentations and essays. Throughout the year, explicit attention is paid to the English-language development of students. Language instruction will develop vocabulary, sentence structures, and discourse patterns in English with a specific focus on those found in social studies. The four modalities of language (speaking, listening, reading and writing) will be integrated into daily lessons with an emphasis on the productive domains. Language instruction will also help students understand features of text and structures of writing associated with informative/expository writing. This will be taught on a rotating basis.

S401101 Physical Science

Grades 9-12 4 Quarters

Prerequisite: Enrolled Level 2 or Higher

The class introduces students to science concepts and processes in the English language. Hands-on activities and curriculum supported by a variety of visual media allows students to access academic language. This class is taught by a licensed science teacher and may be team-taught with a licensed ELL instructor.

S409922 Chemistry

Grades 9-12 4 Quarters

Prerequisite: Enrolled Level 2 or Higher

Chemistry is a yearlong introductory laboratory course. Students study atomic structure, the Periodic Table of Elements, bonding, states of matter, chemical reactions, stoichiometry, and acids and bases. Students complete laboratory investigations, group projects, readings, homework assignments, presentations, papers, and exams in this course. The course also focuses on English language development and the structure of science writing. The standards for this course are the Minnesota Academic Science Standards for 9-12 Chemistry and Selected Nature of Science and Engineering Standards, as well as the WIDA Standards for English Language Development. Offered on a rotating basis.

S406111 Biology

Grades 9-12 4 Quarters

Prerequisite: Enrolled Level 2 or Higher

In this required one-year course, students are introduced to the study of living things through four basic biological themes: structure and function, universality versus diversity, equilibrium within systems, and evolution. Students explore scientific concepts and evaluate evidence to understand the social, sometimes political, environmental, technological and economic factors that influence and are influenced by science. The scientific method, biological drawing, laboratory skills and safety are emphasized, along with continuous focus on language development and structure of science writing. The standards for this course are the Minnesota Academic Science Standards for 9-12 Biology and Selected Nature of Science and Engineering Standards, as well as the WIDA Standards for English Language Development. Offered on a rotating basis.

LEVEL 3-4

E401261 English Language Development

Grades 9-12 4 Quarters

Prerequisite: English Learner Designation, WIDA Levels 3-4

The goal of this class is to support emergent bilingual students' acquisition of English to enable them to be successful in a grade level academic environment. Throughout the year, explicit attention is paid to the English-language development of students. Language instruction will develop vocabulary, sentence structures, and discourse patterns in English with a specific focus on those found in social studies. The four modalities of language (speaking, listening, reading and writing) will be integrated into daily lessons. Language instruction will also help students understand features of text and structures of writing associated with formal academic writing.

NON-DEPARTMENTAL COURSES

AVID, Genius Squad, Theory of Knowledge

AVID

N402011

AVID

Grades 9-12

4 Quarters

Prerequisite: By application process only

In school academic support program for grades 9-12 that prepares students for college eligibility and success. Advancement Via Individual Determination (AVID) is a global nonprofit organization dedicated to closing the achievement gap by preparing all students for college and other postsecondary opportunities. If interested, contact Ms. McGraw at 744-6321 or Bethany.McGraw@spps.org.

GENIUS SQUAD

N408101

Genius Squad

Grades 9-12

2 Quarters

Prerequisite: Excellent computer skills/experience

Saint Paul Public Schools Genius Squads empower students to become leaders in a technology-rich environment. The Genius Squad course is a two-credit elective that teaches students the foundational knowledge and skills to support technology integration and use in classrooms. Students will develop instructional and leadership skills through lessons, projects and service desk work experience. Students are expected to participate, lead, and assist technology integration in a wide variety of ways at their schools, district-level events, and the broader community. Students will apply skills learned online to assist peers and staff members with ongoing technology maintenance, troubleshooting, and support if needed during class. Students must be willing to complete on-line lessons outside of the school day.

THEORY OF KNOWLEDGE

U473201

IB DP Theory of Knowledge

Grades 11-12

2 Quarters

Prerequisite: IB Diploma students only

TOK's objective is to assess theories of how people acquire and use knowledge. The course asks students to examine what can be known? How can what is known be learned/organized? Methods for organizing and systematizing knowledge in mathematics, science, literature, social studies and history are discovered/ compared. Students will explore the role of knowledge in developing values and making value judgments.

SPECIAL EDUCATION

At Highland Park Senior High School we offer many opportunities for students requiring individualized service while allowing them full access to general education resources. Students receiving special education services register for classes with their case managers. Special education services include:

- Resource setting for students with Learning Disabilities and Emotional/Behavior Disorders
- Mild/Mod/Severe Mental Impairment services
- Speech and Language services
- Program for Social Development: self-contained programming for students with Emotional/ Behavioral Disorders (placement made by district)
- Physical therapy, orientation and mobility
- Physically Impaired or visually impaired
- Developmentally Adapted Physical Education
- Other Health Impaired and Traumatic Brain Injury
- Nursing services and social work
- Work Experience
- Curb to curb bussing as determined by IEP

College & Career Readiness

A415601 Skills for College & Career Readiness **Grades 9-12** **4 Quarters**

Prerequisite: None

English

A410051 English 9 Concepts **Grades 9-12** **4 Quarters**

A410061 English 10 Concepts **Grades 9-12** **4 Quarters**

A410071 English 11 Concepts **Grades 9-12** **4 Quarters**

A410081 English 12 Concepts **Grades 9-12** **4 Quarters**

Prerequisite: None

Reading, written language and speaking skills are the focus of this course for students who have an IEP in reading and written language. Students will be introduced to a variety of fiction, non-fiction and poetry, at their independent and instructional levels, as well as basic reading and writing strategies. They will prepare for the Minnesota Comprehensive Assessments in reading and written language.

Math

A410231 Math Strategies **Grades 9-12** **4 Quarters**

A410241 Essential Math 5 **Grades 9-12** **4 Quarters**

A410201 Intermediate Algebra Concepts **Grades 9-12** **4 Quarters**

A410211 Geometry Concepts **Grades 9-12** **4 Quarters**

A410221 Algebra 2 Concepts **Grades 9-12** **4 Quarters**

Prerequisite: None

This course is designed to allow students the opportunity to improve their math skills. Course study includes mathematical reasoning, number sense, computation and operations, patterns, functions and algebra; data analysis, statistics and probability; spatial sense and concrete measurement. Students will be placed in classes based on ability level.

Science

A412541 Physical Science Concepts **Grades 9-12** **4 Quarters**

A412501 Biology Concepts **Grades 9-12** **4 Quarters**

A412521 Chemistry Concepts **Grades 9-12** **4 Quarters**

A412531 Physics Concepts **Grades 9-12** **4 Quarters**

Prerequisite: None

Social Studies

A412151 US Government Concepts **Grades 9-12** **4 Quarters**

Prerequisite: None

This course is designed to introduce students to US Government, constitutional law, and the rights/ responsibilities of functioning, contributing citizens. This course involves the story of the US constitution and its amendments, the structure of the government and the means by which citizens interact with the government, as well as rights that different citizens have worked to attain throughout different periods in this country's history. Citizen involvement in the government processes and policies will also be examined.

Reading & Writing

A410002 Reading Strategies & Reading Standards

Grades 9-12

Prerequisite: None

This is a reading and writing course is also known as Read 180. Students rotate from computer-generated lessons to independent reading to small group instruction on specific reading and writing skills. This yearlong class is for students who need skill development to pass the Basic Skills Tests.

Transition

A419301 Career Seminar

Grades 9-12

Prerequisite: None

The Career Seminar course is designed to assist student in making the transition from school to work. It emphasizes self-awareness, social development, work adjustment, and employability skills training. Curriculum is designed so students attain the learner outcomes necessary for success in the world of work utilizing group paced and individualized approaches. Students will learn habits and behaviors related to job search and work; including communication strategies. Students will investigate and evaluate careers in relation to life goals, personal attributes, and daily living skills. Students will apply principles of personal and family resource management and informed decision-making skills. They will learn necessary skills to work with people from diverse backgrounds.

A410091 Transition Elective

Grades 9-12

Prerequisite: None

Students will refine skills in all five-transition areas. Students will develop the communication skills necessary to function successfully in the work world and the community. Topics include: job procurement/retention skills, post-secondary options, career goals, professionalism, communication etiquette, interpreters, interviewing techniques and ADA rights and responsibilities.

A419201 Steps 1

Grades 10-12

Prerequisite: None

In this course students will be able to access a variety of community-based work experiences through the Specialized Transition Employment Planning Services (STEPS) program. Students with employment needs, goals and objectives will be involved in a district approved job training site held within the community of Saint Paul. Job placement is designed through student choice, aptitude and district availability.

A419401 Work Experience 1

Grades 10-12

Prerequisite: None

In this course, students will be competitively employed, also earning school credit.

A419501 Occupational Internship 1

Grades 10-12

Prerequisite: None

In this course, students will be involved in a training program outside of the school building related to a career path or job training skills. This may include programs that require an enrollment process like the Retail Training Program through Goodwill Easter Seals.

A419621 Community Participation 2

Grades 9-12

Prerequisite: None

This modified standards course (graded on a Pass Individual level) provides students with knowledge, hands-on skills, and the opportunity to make informed decisions about a variety of recreation/leisure activities. Students will also fill out job related documents. Course experiences will be authentic, directly supervised, and modified or adapted according to individual student needs. Course may be repeated as needed for credit.

Physical Education

A414231 Physical Education / DAPE

Grades 9-12

Prerequisite: None

In this course students will be able to access a variety of community based work experiences through the Specialized Transition Employment Planning Services (STEPS) program. Students with employment needs, goals and objectives will be involved in a district approved job training site held within the community of Saint Paul. Job placement is designed through student choice, aptitude and district availability.

Health

A410591 Health & Well-Being

Grades 9-12

Prerequisite: None

Students will develop the knowledge, attitudes and skills necessary to make health-promoting decisions. The course will teach health and wellness, responsible decision-making, physical fitness, mental/emotional health, self-esteem, sexuality and reproduction, safety and emergency care.

WORLD LANGUAGES

Chinese, Chinese Immersion, French, Spanish, Spanish Immersion

Each language course sequence prepares all learners to communicate effectively in the pluralistic society of the United States and look beyond borders to participate fully in the global community. A variety of cultural materials and technology provides learners with authentic experiences. Students speak, listen, read and write in the target language; develop insight into the French, Chinese and Spanish languages and cultures; develop insight into students' primary languages and cultures; gain direct access to information in the target language.

Chinese

W403111 **IB MYP Chinese 1** **Grades 9-12** **4 Quarters**

Prerequisite: None

This is an introduction to Modern Standard Chinese (Mandarin) and to the cultures of China. All four skills areas-listening, speaking, reading, and writing will be taught with a major emphasis on speaking and listening. Students will learn the Pinyin spelling system as well as be introduced to Chinese characters. Students will learn to talk about themselves and their families. Students will learn about and celebrate the holidays, arts and crafts of China. Activities will include calligraphy, games and cooking. MYP criteria will be used to assess student performance.

W403121 **IB MYP Chinese 2** **Grades 9-12** **4 Quarters**

Prerequisite: Chinese 1 (W403111) or Junior High 1 & 2

This is a continuation course for students who have completed Chinese I or two years of Junior High Chinese courses. The emphasis will continue to be on the spoken language. The study of Chinese characters will include both traditional and simplified forms. Topics include shopping, talking about past and future events, daily and leisure activities, home and school. MYP criteria will be used to assess student performance.

W473131 **IB Chinese 3** **Grades 10-12** **4 Quarters**

Prerequisite: Chinese 2 (W403121)

Vocabulary and structures from Chinese I and II will be expanded on. Topics include home and school, going to the doctor, a restaurant and getting around town. Students will be reading short stories and advertisements. This course will offer more practice in extended writing. IB criteria will be used to assess student performance.

W473141 **IB Chinese 4 SL (College in the Schools Chinese 1011)** **Grades 10-12** **4 Quarters**

Prerequisite: Chinese 3 (W473131)

This class is primarily conducted in Chinese. Students will be working with textbook and authentic Chinese texts. Student's practice narrating a sequence of events, and dealing with difficulties. Students will write longer essays. Students may begin to prepare for the IB Subsidiary Exams at this level. Students may also earn college credit at the U of M through the College in the Schools program. IB criteria will be used to assess student performance.

W473151 **IB Chinese 5 HL (College in the Schools Chinese 1012)** **Grades 10-12** **4 Quarters**

W473161 **IB Chinese 6 HL (College in the Schools Chinese 1012)** **Grades 10-12** **4 Quarters**

Prerequisite: Chinese 4 (W473141)

This class is primarily conducted in Chinese. Students will be given more experience with authentic written materials. Students will practice writing longer essays. Students will practice offering and defending their opinions. Students should test for the IB Subsidiary Exams at this level. Students may also earn college credit at the U of M through the College in the Schools program. IB criteria will be used to assess student performance.

Chinese Immersion

W436103 **IB MYP Chinese Immersion 9 (Honors)** **Grade 9** **4 Quarters**

Prerequisite: Completion of a Chinese Immersion program through middle school or district approval

This course is designed to interest and challenge immersion students who wish to develop a greater degree of proficiency in the Chinese language while learning more about the world of the Chinese people. The basic elements of grammar are reviewed, refined, and practiced as students examine the world of today and yesterday through cultural units of study. Compositions, written responses, and oral reports are assigned to enhance literacy skills and to develop mastery of the concepts studied. During the course of the year, the student will explore a variety of media from Chinese publications to learn more about these resources. Classical and popular music, and literary texts will also be explored. Lectures and discussions are in Chinese - with the student playing a much more central role than in earlier levels.

W436111 **IB MYP Chinese Immersion 10 (Honors)** **Grade 10** **4 Quarters**

Prerequisite: Chinese Immersion 9 and the completion of summer homework given in the spring of Chinese Immersion 9, or district approval

This course will further challenge Chinese immersion students in the Chinese language. Elements of grammar will be reviewed and refined through topics as they are explored. Written compositions, book reviews, listening and responding to news programs, and debate are some of the aspects of the class which has been designed to enhance students' analytical and communication skills at an increasingly higher level. Students will be required to do research using resources in Chinese: books, film, television, videos, radio broadcasts, newspapers, magazine articles, etc., and present their findings in a variety of ways. The class is taught entirely in Chinese and all class work – both written and spoken - is to be only in Chinese.

W436121 IB DP Chinese Immersion 11 (Honors)

Grade 11

4 Quarters

Prerequisite: Chinese Immersion 10 and the completion of summer homework given in the spring of Chinese Immersion 10, or district approval.

This course is designed to interest and challenge immersion students who wish to develop a greater degree of proficiency in the Chinese language. The elements of grammar are reviewed and refined through topics as they are explored. Topics include China's population and challenges, social structure and family relationships, technology and social media, life styles and leisure activities. Course goals include expanding students' thinking and vocabulary to extend their ability to express themselves on a variety of topics. Compositions, written responses, audio comprehension activities and oral reports are assigned to enhance skills and to develop mastery of the concepts studied. Through this course, they will become more critical readers and develop their creative writing skills. Lectures and discussions are in Chinese- with the student playing a much more central role than in earlier levels. The class is taught entirely in Chinese. All class work – both written and spoken - is to be only in Chinese.

W436131 IB DP Chinese Immersion 12 (Honors)

Grade 12

4 Quarters

Prerequisite: Chinese Immersion 11 and the completion of summer homework given in the spring of Chinese Immersion 11, or district approval.

This level is designed for students in their final year of Chinese Immersion as they prepare for the Chinese IB-DP Higher Level exam given in the Spring of the year. This advanced level course uses authentic sources in the form of books, short stories, articles, videos, films, etc., to explore IB themes. The IB themes of social organization, identities, sharing the planet and experiences will be explored. The current news stories from the Chinese-speaking world will be studied. Special attention to writing and speaking skills and the review and reinforcement of advanced grammar topics enhance the students' overall ability to function at a higher level in Chinese. Compositions, written responses, audio comprehension activities and oral reports are assigned to enhance skills and to develop mastery of the concepts studied. Higher Level IB-DP assessments/rubrics are used.

French

W401211 IB MYP French 1

Grades 9-12

4 Quarters

Prerequisite: None

Students are introduced to the language and cultures of France and the French-speaking world. They build proficiency in speaking, listening, reading and writing through simple conversations and readings. In French 1 we will learn how to speak, write, and listen using basic skills in French to communicate about; ourselves and our families, school, likes and dislikes, activities and weather, food/ordering food at a café/reading a recipe, and going shopping and describing clothing. In addition to these topics we will cover the basic skills such as numbers, letters, colors, etc. as well as the following grammar topics; conjugating ER, RE, and IR verbs and some irregulars, possessive adjectives, sentence structure, future tense, and past tense. Students use textbooks, workbooks, films, CDs, web-based individual practice and self-tests, and authentic documents in French.

W401221 IB MYP French 2

Grades 9-12

4 Quarters

Prerequisite: French 1 (W401211) or Junior High 1 & 2

Students who have successfully mastered the skills practiced in French 1 are introduced to more extensive conversational situations, vocabulary and structures needed to talk about professions and occupations, describe and narrate in the past, present and future on a variety of topics such as: shopping for food and reading recipes and menus, preparing for a trip to Paris including reservations for train, hotel, plane and transportation and visiting the city and regions of France, as well as other French-speaking countries. Students read using authentic documents, stories and web-based materials, and learn to compose paragraphs and stories. During the year, the instructor works towards giving the class mostly in French 1 – 2 days per week. Students use textbooks, workbooks, CDs, films, ads, recipes, maps, travel brochures and web-accessed materials linked with the textbook and topics of study. TPRS novels are also used in French 2.

W471231 IB French 3

Grades 9-12

4 Quarters

Prerequisite: French 2 (W401221)

Students who have successfully mastered beginning French I and French II move to intermediate level study. They increase their ability to use and understand French as the language of instruction and communication in the classroom in French rather than English, working towards giving the class mostly in French 3 – 4 days per week. Topics and tasks include housing, describing people and places, health and fitness, vacation and travel, daily routines, shopping, cars and driving, French-speaking countries of the world, telling stories and making resumes of films and plays, doing oral presentations on favorite sports or other activities, doing oral presentations on travel, taking part in skits, plays and songs. Students use textbooks and workbooks, web-quests and self-paced exercises, internet sites from French speaking countries, authentic films, CDs, stories, plays, and documents. TPRS novels are also used in this course. Please note that this class is a weighted GPA course. We use IB DIPLOMA rubrics to grade some work and we follow the IB Diploma grading policy in this course -- which is different from MYP French.

W471241 IB French 4 SL

Grades 10-12

4 Quarters

Prerequisite: French 3 (W471231)

Grammar drill takes a diminished role as students are immersed in French-only work. From reading short novels and current events, writing journals, through a variety of situations that provoke oral work, students manipulate the spoken and written language independently and in groups. Some

students will begin to prepare for the IB exam in French at the standard level. Other students (grades 11 and 12 only) may choose to sit the IB standard level exam. The decision to sit an IB exam in French is a choice of the student and is not required in the course. This decision should take into consideration the student's level in French and their commitment to the preparation process and other IB testing and coursework.

W471251 IB French 5 HL Grades 10-12 4 Quarters
W471261 IB French 6 HL Grades 10-12 4 Quarters

Prerequisite: French 4 (W471241)

Students are immersed in French work as they act as leaders in this bi-level course. From reading novels and current events, writing journals, through a variety of situations that provoke oral work, students manipulate the spoken and written language independently and in groups. One serious paper is assigned each term. Some students may choose to sit for the Standard Level IB exam. Other students, particularly those who have had an immersion background or those who have lived in a francophone culture, may decide to sit for the IB higher-level exam in French. All students who choose to sit an IB exam must be in the 11th or 12th grade. The decision to sit an IB exam in French is a choice of the student and is not required in the course. This decision should take into consideration the student's level in French and their commitment to the preparation process and other IB testing and coursework.

Spanish

W401111 IB MYP Spanish 1 Grades 9-12 4 Quarters

Prerequisite: None

This is an introduction to the basic skills of listening, speaking, reading and writing. Students will learn functional language that will allow them to interact in the following situations: holding basic conversations in Spanish, describing people, asking and answering questions about school and classes, talking about sports, describing daily routines in the house, expressing likes and dislikes about food, ordering in a restaurant, giving directions around town and other basic topics. During the year, we will read two TPRS novels, Brandon Brown quiere un perro and Agentes secretos y el mural de Picasso. Students will broaden their awareness of the global community through music, film, field trips, and authentic literature. As part of the IB Middle Years Program, MYP criteria will be used to guide and evaluate student work.

W401121 IB MYP Spanish 2 Grades 9-12 4 Quarters

Prerequisite: Spanish 1 (W401111) or Junior High 1 & 2

This level begins with a review of language and culture introduced in Spanish 1. All of the level one themes are enhanced through more detailed application activities. Learners will engage in longer conversations and produce longer written passages such as letters, notes and compositions. Students will also read and analyze an adapted literary text to help them become familiar with IB level work. Students will broaden their awareness of the global community through music, film, field trips, and authentic literature. As part of the IB Middle Years Program, MYP criteria will be used to guide and evaluate student work. Project based approach will be part of the formative assessment process.

W471131 IB Spanish 3 Grades 9-12 4 Quarters

Prerequisite: Spanish 2 (W401121)

This course focuses on the application speaking, reading, writing and listening skills acquired in previous Spanish courses. Students prepare for IB DP level work by being evaluated on their use of language to express a message within in a cultural context. Written exercises and compositions reflect the variety of texts read and analyzed in the class. Students transition to a more independent and creative use of their language skills. International Baccalaureate criteria will be used to evaluate students' formative and summative work.

W471141 IB Spanish 4 SL Grades 10-12 4 Quarters

Prerequisite: Spanish 3 (W471131) or completion of 9th grade Spanish Immersion courses.

This course focuses on the creative application of language skills in the analysis of authentic literature in as well as in the exploration of related themes through other sources such as film, websites, newspapers and music. Students' written and oral production will be assessed using IB Diploma Program criteria. This course will be taught primarily in Spanish and students will be expected to use the language when communicating. This course prepares students to take the IB standard level exam in Spanish.

W471151 IB Spanish 5 HL Grades 10-12 4 Quarters

W471161 IB Spanish 6 HL Grades 10-12 4 Quarters

Prerequisite: Spanish 4 (W471141)

These courses will be taught in Spanish and will continue to focus on and build upon IB Standard Level content and curriculum. The creative application of language skills and the understanding and analysis of authentic texts as well as the exploration of related themes through other sources such as film, websites, newspapers and music is taken to higher levels. These courses will ensure that students acquire all necessary skills to succeed in future endeavors in Spanish both in a university setting and abroad. Students who did not test during IB DP Spanish 4 will be able to test at the Standard Level in these classes as necessary. Students will be assessed using IB Diploma Program criteria.

Spanish Immersion

W438111 IB MYP Spanish Immersion 9 (Honors) Grade 9 4 Quarters

Prerequisite: Completion of district's Spanish Immersion program through middle school or district approval.

This course, taught entirely in Spanish, focuses on the immersion students' linguistic and grammatical needs, including all four modalities (reading, writing, listening and speaking). Thematic units connect to and reinforce the IB themes. Beginning in 9th grade there is a certain emphasis on literature and literary comprehension in Spanish. This is done through the use of authentic print, a thorough grammar review, writing more extensive essays and being exposed to the different text types included in the IB exam. MYP assessments/rubrics are used to assess student work.

W438341 IB MYP Spanish Immersion 10 (Honors)

Grade 10

4 Quarters

Prerequisite: Spanish Immersion 9 and the completion of summer homework given in the spring of Immersion Spanish 9, or district approval.

Continuation of the work completed in Spanish Immersion 9 and also a preparation for the DP level work at Spanish Immersion 11 and 12. The focus of this course will increase students' abilities in reading, writing listening and speaking. There will be a continued focus on grammar. The course will explore a variety of topics but will be anchored in the following areas: cultures and traditions of the Spanish speaking world, culture and history of Spain folktales and short stories from Latin America and Spain, and Spanish and Latino art. There will be an emphasis on self-exploration in comparison with exploration of the Spanish-speaking world.

W438211 IB DP Spanish Immersion 11 Language B (Year 1)

Grade 11

4 Quarters

Prerequisite: Successful completion of Spanish Immersion 10 and the completion of summer homework given in the spring of Immersion Spanish 10, or district approval.

This level is designed for students continuing in the Spanish Immersion program and are preparing for the Spanish IB-DP Higher Level exams which are given in the spring of their senior year. At HL, students are expected to extend the range and complexity of the language they use and understand in order to communicate. They continue to develop their knowledge of vocabulary and grammar, as well as their conceptual understanding of how language works, in order to construct, analyze, and evaluate arguments on a variety of topics relating to the IB themes and Hispanic culture. Higher Level IB-DP assessments/rubrics are used to assess students receptive, productive, and interactive skills. Students will practice all aspects of the IB Higher Level exam throughout the year.

W438221 IB DP Spanish Immersion 12 Language B (Year 2)

Grade 12

4 Quarters

Prerequisite: Successful completion of Immersion Spanish 11 Language B Year 1 and the completion of summer homework given in the spring of Immersion Spanish 11.

This level is designed for students in their final year of Spanish Immersion as they prepare for the Spanish IB-DP Standard or Higher Level exams given in the spring of the year. At HL, students are expected to extend the range and complexity of the language they use and understand in order to communicate. They continue to develop their knowledge of vocabulary and grammar, as well as their conceptual understanding of how language works, in order to construct, analyze, and evaluate arguments on a variety of topics relating to the IB themes and Hispanic culture.

W?????? IB DP Spanish Immersion 11 Language A: Language and Literature SL (Year 1)

Grade 11

4 Quarters

Prerequisite: Successful completion of Spanish Immersion 10 (or approval from teacher)

The Spanish Language A: Language and Literature course introduces the critical study and interpretation of written and spoken text from a wide range of literary and non-literary genres. This course is organized into four parts taught over the course of two years, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the students to explore the Spanish language through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy.

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W?????? IB DP Spanish Immersion 12 Language A: Language and Literature SL (Year 2)

Grade 12

4 Quarters

Prerequisite: Successful completion of Spanish Immersion 11 Language A Year 1

The Spanish Language A: Language and Literature course continues the critical study and interpretation of written and spoken text from a wide range of literary and non-literary genres. This course is organized into four parts taught over the course of two years, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the students to explore the Spanish language through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy. Students will take the SL Language A: Language and Literature IB exam in the spring.