



LILA Upper School Course Catalog 2021-2022 Grades 6-12

Think for myself.

Think about others.

Think beyond today.

International Baccalaureate Authorized Middle Years Programme and Diploma Programme

LILA Upper School is **YOUR** place for exciting and challenging ways to learn about the world.

Our engaged, knowledgeable, and caring teachers are committed to the International Baccalaureate philosophy and want to dig into their subjects with you—not just recite lectures.

During your time at Upper School, you will have many opportunities to grow your talents and abilities. In the classroom and during athletics, activities, clubs, and travel, you will find a spark, make connections, and develop the skills needed for success.

We hope that LILA Upper School is a place you are proud to attend, where you *like* learning, where you feel included and safe, where YOU matter. Together, we'll keep making LILA the best of the best!

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GENERAL INFORMATION

CREDITS

Students may register for 7 credits each year. A daily year-long course equals 1 credit. An every other day year-long course equals .5 credits. Students who satisfactorily complete high school courses will have credits reflected on their high school transcript and their credits will count towards their graduation requirements.

ALTERNATE COURSE CHOICES

Every attempt will be made to schedule students in to their first choices; however, not everyone is able to be scheduled for their first choice registration requests. Students will choose three alternate classes to be used if a scheduling conflict occurs.

SCHEDULE CHANGES

Classes are formed, schedules are created, and staff are hired and assigned based on student registration. Once this process has been completed, schedule changes are discouraged. Changes will only be honored if it is educationally in the best interest of the student and there is room in the course. Student schedule changes may be requested through the first 5 days of the school year. After the first five days, student schedules can only be changed at the request of administration for special circumstances. Examples of reasons for schedule change requests include:

- Course has already been taken and can not be repeated
- Inappropriate course placement
- Course conflict

PREREQUISITES

Some courses require students to take a course previous to enrolling in the one they are considering. For example, before a student can take Visual Arts 2, they must pass Visual Arts 1.

TRANSCRIPTS

All grades earned at Lakes International Language Academy remain part of the student's official records. In addition, grades earned in high school-level courses are posted on the transcript at the end of each school year. High school classes taken in grades 6-8 (including Language Acquisition and Geometry) will be included on the high school transcript with the grade earned but will not affect the high school GPA. High school classes taken in grades 9-12 will be posted on the student's high school transcript and included in the student's cumulative high school Grade Point Average.

POST SECONDARY ENROLLMENT OPTIONS (PSEO)

Postsecondary Enrollment Options (PSEO) is a program that allows high school students to earn both high school and college credit through enrollment in and successful completion of college-level courses. Eligible 11th & 12th grade students may take PSEO courses on a full- or part-time basis. Eligible 10th graders may enroll part-time in Career and Technical Education (CTE) PSEO courses. Most PSEO courses are offered on the campus of the postsecondary institution; some courses are offered online. Postsecondary institutions may not charge PSEO students for tuition, textbooks or support services, but students may be charged for equipment that becomes their property when the course or program is completed. Each college or university sets its own requirements for enrollment into PSEO courses which can be found on the college's website. See our academic counselor or the college website for further enrollment information.

SPECIAL EDUCATION

Parents and guardians of a student who currently receives special education services are encouraged to contact their current case manager for additional help when making course selections. Students' registrations may be changed based on requirements of the student's IEP.



STUDENT SUPPORT SERVICES

PROGRAM SERVICES

As part of the IB approach to student learning, LILA is focused on developing the whole student. We want to develop well rounded global citizens. With a strong emphasis on relationships, our dean of students and academic counselor work to get to know all students enrolled at LILA. We work with students to develop social/emotional and academic growth throughout a student's enrollment at LILA.

If your student is new to LILA and at their previous school worked with the School Counselor/Social Worker/Dean of Students, please contact our Dean of Students or Academic Counselor regarding your student.

ADVISORY PROGRAM

All students at LILA are enrolled in Advisory. Advisory is a time for students to connect on a daily basis with a teacher. Advisories work to build lasting relationships and connections among students and their advisory teacher. Advisory covers a variety of topics, including weekly check-ins, developing social-emotional skills, and for high school students provides post-secondary guidance information. Our goal is for all students to leave LILA ready for life long learning.

College Planning

Listed below are some minimum requirements for college admission. We strongly encourage students to take courses beyond these minimum requirements. Additional coursework beyond these minimums increases a student's chances for admission. Colleges consider the rigor of a student's high school course selections when making admission decisions. More credits earned creates a stronger academic transcript for all subject areas. The expectations at competitive colleges are significantly higher. These colleges would expect prospective students to have challenged themselves by taking at least some advanced or enriched courses.

Minimum Recommendations for College Preparation

	Community College	Local Four-Year Public Colleges & Universities		Private Four-Year University	Highly Selective Four-Year University
<i>Example:</i>	Century College	St. Cloud State University	University of Minnesota	University of St. Thomas	Harvard University
English	High School Diploma or Equivalency	4 years	4 years	4 years	4 years
Math	High School Diploma or Equivalency	3 years (including Algebra, Geometry, & Algebra 2)	4 years (including math beyond Algebra 2)	3-4 years	4 years
Science	High School Diploma or Equivalency	3 years	3 years	3-4 years	4 years
Social Studies	High School Diploma or Equivalency	3 years	3 years	3-4 years	4 years of participation encouraged
World Language	High School Diploma or Equivalency	2 years minimum	2 years minimum	2+ years	4 years of participation encouraged
Arts	High School Diploma or Equivalency	1 year	1 year	1+ years	4 years of participation encouraged

NOTE: Each college has unique admissions requirements. Consult specific college websites for exact admission requirements.

2018-2019 COURSE OFFERING OVERVIEW

Upper School Course Progression

All courses are year-long, meeting either daily or every other day (EOD).

	LILA MYP Year 1 (Gr. 6)	LILA MYP Year 2 (Gr. 7)	LILA MYP Year 3 (Gr. 8)	LILA MYP Year 4 (Gr. 9)	LILA MYP Year 5 (Gr.10)	LILA DP Year 1 (Gr.11)	LILA DP Year 2 (Gr.12)
INDIVIDUALS AND SOCIETIES	MN HISTORY • English • Spanish	US HISTORY • English • Spanish	GLOBAL STUDIES • English • Spanish	CIVICS & ECONOMICS • English • Spanish	US HISTORY • English • Spanish	GEOGRAPHY AND DP HISTORY (HL OR SL)	GEOGRAPHY AND DP HISTORY (HL OR SL)
LANGUAGE ACQUISITION	• MANDARIN • SPANISH • ENGLISH	• MANDARIN • SPANISH • FRENCH • ENGLISH	• MANDARIN • SPANISH • FRENCH • ENGLISH	• MANDARIN • SPANISH • FRENCH • ENGLISH	• MANDARIN • SPANISH • FRENCH • ENGLISH	• MANDARIN • SPANISH • PHASES • DP HL OR SL • FRENCH • PHASES • DP SL • ENGLISH	• MANDARIN • SPANISH • PHASES • DP HL OR SL • FRENCH • PHASES • DP SL • ENGLISH
SCIENCES	PHYSICAL SCIENCE/ DESIGN • English • Mandarin • Spanish	LIFE SCIENCE • English • Mandarin • Spanish	EARTH SCIENCE • English • Mandarin • Spanish	PHYSICAL SCIENCE 9 • English • Mandarin • Spanish	PHYSICS OR CHEMISTRY	DP BIOLOGY • HL OR SL	DP BIOLOGY • HL OR SL
LANGUAGE AND LITERATURE	• ENGLISH 6 • ADVANCED • WRITING INTENSIVE	• ENGLISH 7 • ADVANCED • WRITING INTENSIVE	• ENGLISH 8 • ADVANCED • WRITING INTENSIVE	ENGLISH 9 (PREPARING FOR THE DP)	ENGLISH 10 (PREPARING FOR THE DP)	DP LANGUAGE AND LITERATURE (HL OR SL)	DP LANGUAGE AND LITERATURE (HL OR SL)
MATH	• MATH 6 • Mandarin • English • PRE-ALGEBRA • Mandarin • English	• PRE-ALGEBRA • Mandarin • English • ALGEBRA 1	• ALGEBRA 1 • GEOMETRY	• GEOMETRY • ALGEBRA 2	• ALGEBRA 2 • 1 Year • ALGEBRA 2 • Year 1 of 2 • PRE-CALC/TRIG	• ALGEBRA 2 • Year 2 of 2 • PRECALCULUS • DP MATH • HL OR SL	• CONSUMER MATH • DP MATH • HL OR SL
ARTS	• BAND • CHOIR • MUSIC EXPLORATION • ORCHESTRA • THEATRE • VISUAL ARTS	• BAND • CHOIR • MUSIC EXPLORATION • ORCHESTRA • THEATRE • VISUAL ARTS	• BAND • CHOIR • MUSIC EXPLORATION • ORCHESTRA • THEATRE • VISUAL ARTS	• HS BAND • HS CHOIR • HS ORCHESTRA • HS THEATRE • HS VISUAL ARTS	• HS BAND • HS CHOIR • HS ORCHESTRA • HS THEATRE • HS VISUAL ARTS	• BAND • DP OPTION (SL) • HS CHOIR • ORCHESTRA • DP OPTION (SL) • HS THEATRE • HS VISUAL ARTS • DP OPTION (HL OR SL)	• BAND • DP OPTION (SL) • HS CHOIR • ORCHESTRA • DP OPTION (SL) • HS THEATRE • HS VISUAL ARTS • DP OPTION (HL OR SL)
DESIGN	INFUSED WITH PHYSICAL SCIENCE 6	• DESIGN 7/8 • STEM DESIGN	• DESIGN 7/8 • STEM DESIGN • THEATRE DESIGN	(OPTIONAL) • DIGITAL & PRODUCT DESIGN • THEATRE DESIGN	(OPTIONAL) • DIGITAL & PRODUCT DESIGN • THEATRE DESIGN	(OPTIONAL) • DP ITGS (HL) • DIGITAL AND PRODUCT DESIGN • THEATRE DESIGN	(OPTIONAL) • DP ITGS (HL) • DIGITAL AND PRODUCT DESIGN • THEATRE DESIGN
PHYSICAL & HEALTH EDUCATION	PE/HEALTH - EOD	PE/HEALTH - EOD	PE/HEALTH - EOD	• PE- EOD • HEALTH - EOD	(OPTIONAL) PE	(OPTIONAL) PE	(OPTIONAL) PE

6th Grade Course Descriptions

Language and Literature - English 6

Read fiction and nonfiction for comprehension and appreciation while you learn strategies for improving your reading mastery and writing skills. Explore several types of writing: informative, persuasive, and creative writing.

Writing requirements for sixth grade include responses to literature, 5 paragraph persuasive essay, an original myth, and a feature article. Students also work on spelling, grammar, capitalization, and punctuation skills.

OR

Language and Literature - Advanced English 6

Writing Intensive

** Students must meet the academic requirements to enroll.*

Rev up your higher-level thinking skills reading literature, writing and revising in various forms, speaking and presenting, and listening. You will meet your sixth grade writing requirements while also enhancing your fiction and nonfiction reading skills and strategies, as well as building vocabulary and comprehension skills.

Math 6

Offered in English or Mandarin

Investigate and explore topics such as number theory, data analysis, two- and three-dimensional geometry, ratios, proportions, integers, rational numbers (including fractions, decimals, and percents), and probability. Algebra will be introduced by integrating an "unknown" into problems and working with mathematical properties. Students will be asked to communicate mathematically using graphs, tables, formulas, calculations, and written explanations reflecting the MYP-based goal of applying classroom lessons to real-world situations. Students who successfully complete Math 6 will take Pre-Algebra in 7th grade.

OR

Pre-Algebra

Offered in English or Mandarin

** Students must meet the academic requirements to enroll*

Investigate and explore fraction operation, two- and three-dimensional measurement, rational numbers, similarity, proportional reasoning, rate, ratio and percent, integers, exponents, variables, equations, linear relationships, and probability. The course emphasizes learning algebra and geometry topics using graphs, tables, equations, and written explanations. Students who successfully complete Pre-Algebra will take Algebra I in 7th grade.

Physical Science 6 / Design

Offered in English, Spanish or Mandarin.

Take on the scientific process, use science laboratory equipment, and explore metric measurement. You'll learn about the properties of matter, magnetism, static electricity, force and motion, properties of light and sound, and energy transformations. The engineering process will be introduced throughout these units of study.

IB Approaches to Learning

In this course, you will develop skills for the transition to the IB Middle Years Programme. With an emphasis on organization and technology, you'll be supported with managing a 7-period middle school schedule and with school technology like Infinite Campus and Google Classroom. Through a focus on communication, self-management, research, thinking skills, and social skills, you will become a stronger, more self-regulated learner.

Individuals and Societies – Minnesota History 6

Offered in English or Spanish.

Students will focus on Minnesota History from the formation of its landscape during the Ice Age until the 1900s. Students will explore the past and present lives of Minnesotans and use their inquiry skills to become knowledgeable thinkers who care about the world around them, locally and globally. They will communicate their learning through presentations, essays, journal writing, debating issues meaningful to them, collaborating in small and large group activities and through their individual efforts. Students will also learn basic research skills and organizational skills such as planning the steps of a project.

Physical Education/Health 6

Participate in individual, group, and team activities, developing knowledge and skills while learning habits of lifelong health through indoor and outdoor activities. The program promotes health-related physical fitness and wellness supported by the development of health-conscious decision-making.

Language Acquisition

See Language Acquisition choices on page 12.

Arts

See choices on pages 13-16.

6th Grade Sample Schedule

Class Period	Course	Number of Credits
0	Advisory	0
1	Language and Literature - English 6	1
2	Math (in Mandarin or English)	1
3	Physical Science / Design (in Spanish, Mandarin, or English)	1
4	Mandarin or Spanish language	1
5	Physical Education/ Health	.5
	Arts (Alternating Days)	.5
6	MN History (in Spanish or English)	1
7	IB Approaches to Learning	1



7th Grade Course Descriptions

Language and Literature - English 7

Sharpen your reading, writing, and speaking skills. This course builds on your reading strategies, such as understanding topics, main idea, supporting details, fact and opinion, inferences and drawing conclusions, author's purpose, point of view, and word study. In addition to reading, students enhance their writing skills developing, creating, and revising written work, including a personal narrative, a compare/contrast essay, and a research report. Speaking components include large and small group discussions as well as formal and informal presentations.

OR

Language and Literature - Advanced English 7

Writing Intensive

** Students must meet the academic requirements to enroll*

With these books and activities, you'll stay motivated and engaged as you boost your critical thinking, reading, writing, and speaking skills. Gain experience with a variety of reading, writing, and speaking genres and forms. Word study includes etymology, parts of speech, and usage.

Math 7 - Pre-Algebra

Offered in English or Mandarin

Prerequisite: Successful completion of Math 6

Investigate and explore fraction operation, two- and three dimensional measurement, rational numbers, similarity, proportional reasoning, rate, ratio and percent, integers, exponents, variables, equations, linear relationships, and probability. The course emphasizes learning algebra and geometry topics using graphs, tables, equations, and written explanations.

OR

Algebra 1

Prerequisite: Successful completion of PreAlgebra

This course focuses on high-level algebraic concepts while working with real-life situations and real-world applications, an essential aspect of the MYP-based curriculum. In addition to describing data, understanding linear models and systems, and mastering the concepts of functions and transformation, students learn statistics, proportional reasoning, linear relationships, systems of equations and inequalities, exponential relationships, quadratic relationships, exponential functions, power functions, logarithmic functions, quadratic functions, rational functions, and applications of probability.

Life Science

Offered in English, Spanish, or Mandarin.

During this course, your primary units of study will include cells, animals, human anatomy, genetics, disease, and ecology. While increasing your scientific knowledge, you will also develop academic skills, such as reading for understanding, making and recording observations, organizing information, and graphing. By using scientific tools and equipment, you will learn skills and procedures that will be used in future science classes.

Individuals and Societies— American History

Offered in English or Spanish.

This Individuals and Societies course will focus on US History from the formation of the country until Imperialism (end of 19th century). Students will explore the past and present lives of Americans and use their inquiry skills to become knowledgeable thinkers who care about the world around them, locally and globally. They will communicate their learning through presentations, essays, journal writing, debating issues meaningful to them, collaborating in small and large group activities and through their individual efforts. Students will also practice developing their research, communication, and organizational skills.

Physical and Health Education 7

Participate in individual, group, and team activities, developing knowledge and skills while learning habits of lifelong health through indoor and outdoor activities. The program promotes health-related physical fitness and wellness supported by the development of health-conscious decision-making.

Design

See Design choices on page 13.

Language Acquisition

See Language Acquisition choices on page 12.

Arts

See choices on pages 13-16.

7th Grade Sample Schedule

Class Period	Course	Number of Credits
0	Advisory	0
1	Life Science (in Spanish, Mandarin, or English)	1
2	American History (in Spanish or English)	1
3	Language and Literature - English 7	1
4	Math (in Mandarin or English)	1
5	Language Acquisition	1
6	Design	.5
	Physical Education/Health (Alternating Days)	.5
7	Arts	1



8th Grade Course Descriptions

Language and Literature - English 8

Reading, writing, and speaking skills are essential to academic success—and the best way to develop them is through engaging practice. Deepen your understanding of critical reading strategies such as identifying the main idea, finding supporting details, understanding differences between fact and opinion, making inferences and drawing conclusions, understanding authors' purpose and point of view, and word study. Students will also enhance their writing skills through personal narrative, a compare/contrast essay, and a research report. Speaking components include large and small group discussions as well as formal and informal presentations.

OR

Language and Literature - Advanced English 8

Writing Intensive

** Students must meet the academic requirements to enroll*

A carefully selected collection of books and readings from various genres, including nonfiction, fiction, and poetry, reveals the power of words to convey meaning, motivate, and enlighten. Students expand on critical thinking, reading, writing, and speaking skills while continuing to build vocabulary, grammar, punctuation, and editing skills.

Algebra 1

Prerequisite: Successful completion of PreAlgebra

This course focuses on high-level algebraic concepts while working with real-life situations and real-world applications, an essential aspect of the MYP-based curriculum. In addition to describing data, understanding linear models and systems, and mastering the concepts of functions and transformation, students learn statistics, proportional reasoning, linear relationships, systems of equations and inequalities, exponential relationships, quadratic relationships, exponential functions, power functions, logarithmic functions, quadratic functions, rational functions, and applications of probability.

OR

Geometry

Prerequisite: Successful completion of Algebra I

Develop a strong understanding of geometry through polygon drawing and the use of technology. Topics include reasoning in geometry, using tools of geometry, triangle properties, polygon properties, circle properties, transformations and tessellations, area, volume, Pythagorean Theorem, right triangle trigonometry, similarity, congruence, and proof.

Individuals & Societies - Global Studies

Offered in English or Spanish.

This Individuals and Societies course will focus on the physical and human geographical features of our world. Students will explore the discipline of Geography including how to read maps using the TODALS system, comparing and contrasting the physical and human geography of the world's continents, and using their inquiry skills to become knowledgeable thinkers who care about the world around them. Students will communicate their learning through presentations, essays, journal writing, making movies, debating, small group collaboration and more. Students will also learn organizational skills such as planning the steps of a project, maintaining a digital calendar of assignments through Google Classroom, and being responsible for their daily materials.

Earth Science

Offered in English, Spanish or Mandarin.

Earth Science students will use the scientific process, the engineering process, metric measurement, and science laboratory equipment. Students will continue their exploration of matter and learn about rocks, minerals, landforms, erosion, plate tectonics, weather, environmental concerns, and space.

Physical and Health Education 8

Participate in individual, group, and team activities, developing knowledge and skills while learning habits of lifelong health through indoor and outdoor activities. The program promotes health-related physical fitness and wellness supported by the development of health-conscious decision-making.

Design

See Design choices on page 13.

Language Acquisition

See Language Acquisition choices on page 12.

Arts

See choices on pages 13-16.

8th Grade Sample Schedule

Class Period	Course	Number of Credits
0	Advisory	0
1	Earth Science (in Spanish, Mandarin, or English)	1
2	Global Studies (in Spanish or English)	1
3	Language and Literature - English	1
4	Math	1
5	Language Acquisition	.5
	Design (Alternating Days)	.5
6	Physical Education/Health	.5
	Elective (Alternating Days)	.5
7	Arts	1



GRADES 9-12 GRADUATION REQUIREMENTS

IB Category	LILA 9 – 12 Required Credits	Including these specific requirements:
Languages & Literature	4	
Mathematics	3	Completed credits must include Geometry and Algebra II
Individuals & Societies	4	Including coursework in U.S. & World History, Geography, Citizenship, and Economics.
Sciences	4	Biology and either Chemistry OR Physics is required
Arts	1	
Physical Education	0.5	
Health	0.5	
Additional Requirements	6.5	Any student enrolled at LILA must take a Language Acquisition class each year. Before beginning an additional language, the initial second language must be taken through Phase 4. For an IB Diploma: Theory of Knowledge course at school, plus Extended Essay, and Creativity, Activity, Service experiences outside of the school day.

IB DIPLOMA PROGRAMME OVERVIEW (GRADES 11-12)

Full-IB Diploma Programme candidates

- Must take a minimum of three DP HL courses (maximum of four HL) plus a minimum of 2 DP SL courses (maximum of three SL) for a total of six DP courses. All HL and SL courses at LILA are taught over 2 years to comply with the IB's concurrency of learning requirement.
- Must take one course from each of the DP Groups 1-6. The only exception is that instead of a Group 6 course (The Arts), a student may choose to take a second course in Groups 1-5.
- Will also be scheduled for a class period in which Theory of Knowledge is taught and in which support for Extended Essay and Creativity, Action, and Service (CAS) is given to fulfill DP Core requirements.

Understanding differences between HL and SL courses -- from IBO.org

"The philosophy of the IB DP is that students should engage with a range of subjects while being able to explore specific areas of personal interest in greater depth. SL courses ensure students are exposed to a range of disciplines that they might otherwise opt out of, and HL courses allow students to spend more time with subjects they are more interested in by exploring options in addition to the SL core curriculum. In this sense, all DP courses, regardless of whether they are SL or HL, are integral to the programme."

"In most cases both SL and HL courses consist of the same educational aims, core syllabus and curriculum and assessment models. HL courses typically also include a range of additional elements designed to allow students to explore areas of interest within the subject in more depth. In this sense, SL courses are not watered down versions of their HL counterparts. The assessment criteria are equally demanding for both levels, and SL exams are marked and standardized with the same rigour as all IB coursework."

INDIVIDUALS & SOCIETIES

Civics and Economics

Offered in English or Spanish. Expand your understanding of government and the basic concepts of economics! Discuss the history and workings of national, state, and local governments, and the privileges and responsibilities of individual citizens living in our country. Learn about different economic systems that exist in our world and the basics of supply, demand, and other market forces in our economy.

US History

Offered in English or Spanish. Build on your knowledge of US History by taking a thematic approach to gain a deeper understanding of our shared past, present, and future. You will study the connections and contradictions of our history by studying the themes of exploration and conquest, inequality and change, conflict and cooperation, immigration and population, economic development, the power and spread of ideas, government and leadership, and globalization. In your thematic exploration you will engage in primary and secondary source investigation, research, writing, discussion and debate, and collaborative group projects to develop your communication, literacy, technology, and critical thinking skills.

DP World History with a Geography Focus (SL or HL)

Develop a global sense of history by taking a thematic approach to gain a deeper understanding of our shared past, present, and future. You will study the connections and contradictions of world history by studying the themes of exploration and conquest, inequality and change, conflict and cooperation, migration and population, economic development, the power and spread of ideas, governments and leadership, and globalization. In your thematic exploration, you will engage in primary and secondary source investigation, research, writing, discussion and debate, and collaborative group projects to develop your communication, literacy, technology, and critical thinking skills. Students will be guided through both internal and external assessments as required by the IB.

DP Information Technology in a Global Society (ITGS) HL

ITGS is the study of the impact of information technology on individuals and societies. Information technology is defined as “the acquisition, processing, storage, manipulation and dissemination of digital information.” Taking ITGS will enable you to develop in-depth understanding of technology trends, learn to write analytically with a global perspective in mind, become experienced in a wide range of technical and social tools, and develop your 21st century skills. Students will be guided through both internal and external assessments as required by the IB. This course can be taken by full-IB Diploma candidates in place of a Group 6 course; it may be taken in addition to DP World History; it cannot be taken in place of DP World History.

LANGUAGE & LITERATURE

Language and Literature 9 & 10 (English)

By continuing to improve your skills in the areas of writing, speaking, listening, media, reading, and literature, you will be able to express your ideas and thoughts effectively. Study skills, vocabulary and grammar are integrated throughout the curriculum to prepare you to be an able reader and a skilled writer with strong critical thinking skills. You will be expected to complete reading assignments outside of class and will also prepare and deliver a variety of oral presentations and speeches throughout the year.

DP English Language and Literature SL or HL

A carefully selected collection of books and readings from various genres, including nonfiction, fiction, and poetry, reveals the power of words to convey meaning, motivate, and enlighten. Students expand on critical thinking, reading, writing, and speaking skills while continuing to build vocabulary, grammar, punctuation, and editing skills. To meet the rigor of this class, students should be prepared to complete daily homework and a significant amount of weekly independent reading. Students will be guided through both internal and external assessments as required by the IB.

PHYSICAL EDUCATION & HEALTH

High School Physical Education - Participate in individual, group, and team activities, developing knowledge and skills while learning habits of lifelong health through indoor and outdoor activities. Students may take High School Physical Education multiple times throughout high school.

High School Health - Our high school health education aims to empower students to understand and appreciate the value of knowledge and action within our health while developing the motivation for making healthy and informed life choices. Health education courses foster the development of knowledge, skills and attitudes contributing to a balanced and healthy lifestyle. Health is one of the central points to human identity within global communities, creating meaningful connections among people, nations, cultures and the natural world. Through health education, we will learn to appreciate and respect the ideas of others, and develop effective collaboration and communication skills while learning benefits and risks associated with trying to strive for optimal health. This subject area also offers many opportunities to build positive interpersonal relationships that can help us to develop a sense of social responsibility and intercultural understanding.



MATHEMATICS

Geometry

Prerequisite: Algebra I

Develop a strong understanding of geometry through hands-on exploration and the use of technology.

Topics include logic and reasoning, geometric constructions, triangle properties, polygon properties, circle properties, transformations, area, volume, Pythagorean Theorem, right triangle trigonometry, similarity, congruence, and proof.

Algebra II : 1-year or 2-year options available for different pacing preferences

Prerequisite: Geometry

Topics you will study include: describing data, linear models and systems, functions and transformation, exponential functions, power functions, logarithmic functions, matrices, quadratic functions, rational functions, applications of probability and statistics.

Pre-Calc & Trigonometry

Prerequisite: Successful completion of Algebra II

You will learn mathematical concepts leading to the study of calculus. This course will help you prepare for a career in Science. Topics to be covered include linear relations, inverse relations, parametric equations, function theory, graphing techniques, exponential and logarithmic functions, trigonometric functions, sequences and series, conic sections, quadratic functions, rational functions, applications of probability and statistics.

DP Mathematics: Applications & Interpretation (SL)

This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models, and those who enjoy the more practical side of mathematics.

DP Mathematics: Analysis & Approaches (SL or HL)

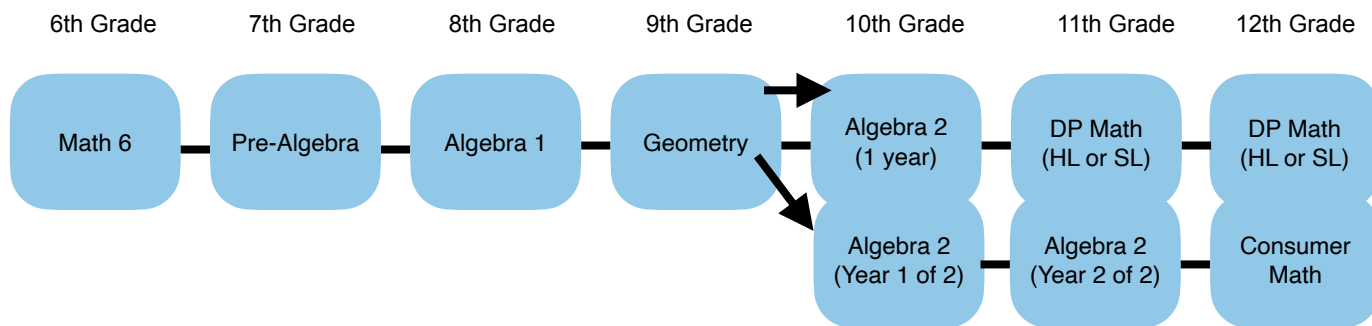
This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem solving, and exploring real and abstract applications with and without technology.

Consumer Math

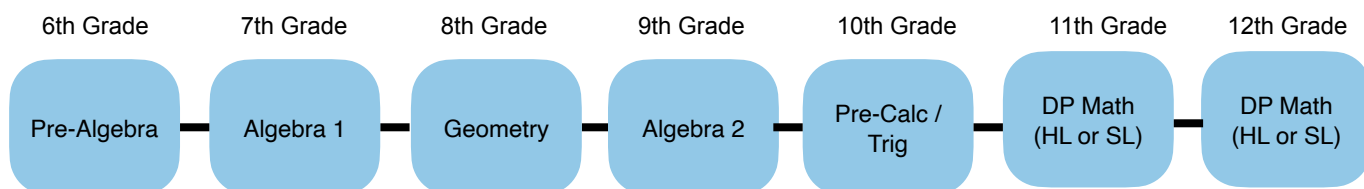
Students will focus on how to use basic math skills in real life situations. Topics will include mortgage payments and real estate taxes, investing money through bonds and bank accounts, buying and budgeting for a car, budgeting your income, paying taxes, and understanding statistics.

MATH PROGRESSION (GRADES 6-12)

Traditional Math Sequencing



Accelerated Math Sequencing



SCIENCES

Science 9

Offered in English, Spanish, or Mandarin. Through an inquiry approach, you will gain understanding of physical science and be introduced to skills related to Chemistry or Physics. You will use the research process to learn to evaluate interactions between physical systems encountered in everyday life.

Physics

Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself from the very smallest particles to the vast distances between galaxies. In your Physics course you will develop your observation skills and build models to understand your observations. To do this you will have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and databases. You will develop the skills to work independently and collaboratively with your peers in order to practice your skills as a physicist!

Chemistry

In your Chemistry course you will study the chemical principles that underpin both the physical environment in which we live and all biological systems. To do this you will have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and databases. You will develop the skills to work independently and collaboratively with your peers in order to practice your skills as a chemist!

DP Biology (SL or HL)

In your biology course you will study living things from the molecular level to the ecosystem level. To do this you will have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. The investigations may be laboratory based or they may make use of simulations and data bases. You will develop the skills to work independently and collaboratively with your peers in order to practice your skills as a biologist. Students will be guided through both internal and external assessments as required by the IB.

LANGUAGE ACQUISITION

The ability to communicate in a variety of modes, in more than one language, is essential to the concept of an international education. All LILA Upper School students will study at least one language in addition to their home language each year. Language Acquisition courses focus on combining content with language skills. Students will explore cultures of countries around the world, major historical events, current events, and classic and fictional stories told in the target language.

Language students must choose to study one or more of the following:

- ◆ Mandarin Chinese
- ◆ Spanish
- ◆ French
- ◆ English (as a second language)

MINNESOTA'S BILINGUAL CERTIFICATE & BILINGUAL SEAL

LILA students will have the opportunity to earn a bilingual certificate or bilingual seal through the Minnesota Department of Education.

Students who enroll in a Minnesota State College institution within three academic years after earning bilingual recognition will complete 2 semesters of college language classes for earning a bilingual certificate and up to 4 semesters of college language classes for earning a bilingual or multilingual seal.



MIDDLE SCHOOL AND HIGH SCHOOL ELECTIVE DESCRIPTIONS (GRADES 6-12)

ADVANCEMENT IN MATH (AIM) / ADVANCEMENT IN READING (AIR)

AIM/AIR

Staff select students for math support (AIM) and/or reading support (AIR) classes by reviewing the student's grades, assessment scores, and teacher input. These classes are in addition to regular math and English classes. Students will receive small group instruction every other day to gain extra support based on skill needs. In AIM, instructional focus will be based on foundational math skills. In AIR, instructional focus will be based on enhancing fiction and non-fiction reading skills and strategies, as well as vocabulary and comprehension skills. Students may take AIM/AIR multiple times throughout middle school.

DESIGN

Middle School Design - (*Grades 7 & 8, can be taken multiple times*)

Design, and the resultant development of new technologies, has given rise to profound changes in society, transforming how we access and process information, adapt our environment, communicate with others, solve problems, work and live. MYP design challenges students to apply practical and creative-thinking skills to solve design problems, encourages students to explore the role of design in historical and contemporary contexts, and raises students' awareness of their responsibilities when making design decisions and taking action. Probable units of study include: Graphic Design, Coding/Programming, Game Design, Interior Design, Website Design.

High School Design

Design, and the resultant development of new technologies, has given rise to profound changes in society, transforming how we access and process information, adapt our environment, communicate with others, solve problems, work and live. MYP design challenges students to apply practical and creative-thinking skills to solve design problems, encourages students to explore the role of design in historical and contemporary contexts, and raises students' awareness of their responsibilities when making design decisions and taking action. Probable units of study include: Graphic Design, 3D Modeling and Printing, Aircraft Design, Website Design.

Middle School Theatre Design & Production - (*Grade 8, Prerequisite: MS Theatre 1 and MS Design*)

Middle School students will dive into the experience of technical theatre to learn about and participate in the design process. We will be focusing on the basic production design elements, such as sound, staging, lighting, costuming, and makeup. Design work may be used in LILA's school plays. Students may take Middle School Theatre Design & Production multiple times during Middle School.

High School Theater Design & Production- (*Prerequisite: MS or HS Theatre and MS or HS Design, can be taken multiple times*)

High school students will dive deeper into the experience of technical theatre to learn about and participate in the design process. We will be focusing on the basic production design elements such as sound, staging, lighting, costuming, and makeup. Design work will be used in LILA's school plays. Students may take High School Theatre Design & Production multiple times during High School.

Middle School STEM Design - (*Grade 7 or 8*)

This STEM (Science, Technology, Engineering, & Math) class is designed to provide real-world applications and extensions to concepts taught in core curriculum classes. Students will construct projects with various materials while familiarizing themselves with the use of power tools. As in real life, students are encouraged to become self guided learners and will be working through the IB design cycle process to complete projects. Projects may include CO2 cars, trebuchet, bird houses, acoustic panels, and solar ovens. There is an activity fee associated with this class and students will be able to bring their projects home.

MUSIC

Choir (All Grades) – A choir is a group of people who sing together. In choir, we will learn how to use our voices in a musical manner and focus on blending our voices into one cohesive sound, singing in harmony, and singing independent lines. Additionally, we will be studying the basics of music, including reading music, critical listening, performing, music theory, and music history.

Beginning Choir (*Grade 6*)

Middle School Choir (*Grades 7 and 8*)

High School Concert Choir (*Grades 9-12*)

Middle School Music Explorations 1

In Music Explorations 1, we will be exploring different elements of music through sound. As we learn new elements, we will be applying them to different instruments. To give an example, we will explore the element of rhythm by playing different rhythms on bucket drums. This course is intended for students with no music study experience

Middle School Music Explorations 2 - *Prerequisite: Music Explorations 1 or previous music study (e.g. band, orchestra, choir, piano lessons)*

In Music Explorations 2, we will be exploring different elements of music through composition. As we learn the fundamentals of music, we will practice them by writing our own music. To give an example, when we study key signatures, we will write a short piece of music in a specified key signature. This course is intended for students with some music experience (e.g. piano lessons, band, orchestra, or choir experience).

Beginning Band (*Grades 6-12*)

The Beginning Band is open to all students at LILA with no prior band experience. Students in Beginning Band choose an instrument to play during their band career. After they choose, the students are taught how to set up, take apart, handle, and play their instrument. Students in Beginning Band meet in a large group class every other day to learn ensemble and music-reading skills, and weekly group lessons to hone their instrumental skills. The Beginning Band plays about three after-school concerts per year.

Middle School Band 1 (*Grades 7-8*), *Prerequisite: Prior Beginning Band experience*

Middle School Band 1 is available to middle school students who have completed one prior year of band placement. In Middle School Band 1, students are taught new musical techniques, developing their instrumental skills. During the daily full-group rehearsal, students focus on both method book exercises and concert repertoire. Middle School Band 1 performs about four after-school concerts per year.

Middle School Band 2 (*Grades 7-8*), *Prerequisite: Band Director Approval*

Middle School Band 2 is available to students in Grades 7-8 based on Band Director placement. In Middle School Band 2, students are taught new and extensive musical techniques, developing their skills in preparation for their time in the Concert Band. During the daily group rehearsal, students focus primarily on concert repertoire, gaining a comprehensive music education through practice and performance of concert pieces. Middle School Band 2 performs about four after-school concerts per year.

Concert Band (*Grades 9-12*), *Prerequisite: Prior Band experience*

The Concert Band is open to students in grades 9-12 who have completed a prior band course at LILA. The Concert Band performs a variety of music including but not limited to core wind ensemble repertoire, Broadway show tunes, orchestral transcriptions, soundtrack music, and chamber works. The Concert Band meets daily and performs about four concerts per year.

Concert Band with Diploma Programme Music SL - (*Grades 11-12*), *Prerequisite: Prior Band experience*

Band students pursuing Diploma Programme Music at LILA practice and perform with Concert Band students as an ensemble. Diploma Programme students meet and rehearse with the Concert Band class; in addition, the DP Music SL written coursework is regularly studied alongside the ensemble material.

Beginning Orchestra - (Grades 6-12)

The Beginning Orchestra is open to all students at LILA with no prior instrument experience. Students in Beginning Orchestra choose an instrument to play during their LILA career. After they choose, the students are taught how to set up, handle, and play their instrument. Students in Beginning Orchestra meet in a large group class every other day to learn ensemble and music-reading skills, and weekly group lessons to hone their instrumental skills. The Beginning Orchestra plays about three after-school concerts per year.

Middle School Orchestra - (Grades 7-8)

Middle School Orchestra is available to middle school students who have completed one prior year of orchestra. In Middle School Orchestra, students are taught new musical techniques, developing their instrumental skills. During the daily full-group rehearsal, students focus on both method book exercises and concert repertoire. Middle School Orchestra performs four after-school concerts per year.

Concert Orchestra - (Grades 9-12)

The Concert Orchestra is open to students in grades 9-12 who have completed a prior year of orchestra. The Concert Orchestra performs a variety of music including but not limited to core symphonic repertoire, Broadway show tunes, orchestral transcriptions, soundtrack music, and chamber works. The Concert Orchestra meets daily and performs four concerts per year in addition to several smaller concerts around the Twin Cities. Students will engage with song writing, active listening skills, and historical context of a variety of musical forms.

Concert Orchestra with Diploma Programme Music SL - (Grades 11-12)

Orchestra students pursuing Diploma Programme Music at LILA will fulfill the requirements with their enrollment in the Concert Orchestra. Starting in their junior year, students will begin collecting concert recordings for their summative portfolio. In addition to the course work presented in the freshman and sophomore years in the Concert Orchestra, students will begin to prepare for the external and internal assessments required for their IB Diploma.

THEATRE

Middle School Theatre 1

The theatre class will introduce students to the art of theatre: a brief history of theatre, the component parts of theatre, the process of theatrical production, and the various creative artists and technicians who make it happen. The class will also encourage the awareness, appreciation and enjoyment of theatrical experiences as well as give students the tools to feel more confident in front of others through classroom rehearsals and performances.

Middle School Theatre 2 - Prerequisite: Middle School Theatre 1

The Middle School Theatre 2 class is meant to develop and expand the concepts introduced in Middle School Theatre 1, as well as to create situations where students are guided towards becoming more independent and self-disciplined. Young artists will continue to discover and practice the tools to grow as performers.

High School Theatre 1

The High School Theatre course consists of three interrelated areas: theatre in the making, theatre in performance, and theatre in the world. Students will explore these three areas from the perspective of dramaturg, director, performer, group ensemble, production team and spectator.

High School Theatre 2 - Prerequisite: High School Theatre 1 OR Middle School Theatre 2 OR Middle School Theatre 1 with a grade of 5 or better.

This course includes a deeper look at character analysis, writing and performing original monologues, analyzing and performing Shakespeare, devising theatre, and designing sets and/or costumes. Students may take High School Theatre 2 multiple times throughout high school.

THEORY OF KNOWLEDGE

Theory of Knowledge (Grades 11 and 12)

Theory of knowledge provides an opportunity for students to reflect on the nature of knowledge, and on how we know what we claim to know. As a thoughtful and purposeful inquiry into different ways of knowing and into different kinds of knowledge, TOK is composed almost entirely of questions. The most central of these is, "How do we know?" Through discussions of this and other questions, students gain greater awareness of their personal and ideological assumptions, as well as develop an appreciation of the diversity and richness of cultural perspectives.

VISUAL ARTS

Middle School Visual Arts 1

The Visual Arts course will focus on developing strong understanding of the elements and principles of design through the creative process and reflection. Students will create a variety of projects and learn artistic skills and techniques. Tools for creativity will be explored as students become confident with idea generation, reflection, creative problem solving, and art critiques.

Middle School Visual Arts 2 - Prerequisite: Middle School Visual Arts 1

The Visual Arts course will focus on developing artistic identity through the creative process and reflection. With exposure to a variety of artistic mediums, students will develop skills to enhance creative expression and exploration. Influence of visual artists across time and culture, as well as local artists' impact on our communities today will provide a foundation for our study. Students will develop fluid minds that find multiple solutions to creative inquiry in the art room and beyond!

High School Visual Arts 1

This inquiry driven course allows students to begin a personal creative journey. Through guided inquiry, students have opportunity to develop deeper understanding of art in specific mediums of interest and historical contexts. Studio projects, art history, research, and artist statements, and art critiques are all components of this course. Each student will demonstrate progress over time by developing a body of work and organizing a portfolio.

High School Visual Arts 2 - Prerequisite: Visual Arts 1

This academically rigorous Visual Arts course requires students to explore art in a variety of cultural contexts. Through inquiry, investigation and creative application, students will discover an appreciation for the expressive and aesthetic diversity in the world around them, becoming informed artists and consumers of visual culture. Throughout this course, students will experience art in three facets: theoretical practice, art-making practice, and curatorial practice. Students will develop a strong sense of personal creative expression through the development of skills, knowledge of art form/s studied, and continual refinement of the creative process as influenced by peer critiques.

DP Visual Arts (SL or HL)

The DP Visual Arts course is a two-year studio-based course that allows students to explore and challenge their creative and cultural expectations and beliefs. Students work with a variety of media in their development of technical proficiency and confidence in their own creative abilities. Throughout this course, students will be exposed to, compare, analyze, and reflect on art from different times, places, and cultures as well as local and modern art. Students will create a body of artworks for exhibition and submission in order to be externally assessed by IB examiners.



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