



Lynbrook Public Schools

Central Administration

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Re: Notification of Advanced Coursework

Dear Parents and Guardians,

This letter is to inform you of the benefits and opportunities for your child to participate in advanced coursework.

While advanced coursework allows your child to gain skills and demonstrate competencies at a higher level, advanced coursework provides other benefits. Other benefits of participation in advanced coursework may include:

- improving a student's self-confidence and image of self.
- demonstrating a student's preparedness for college-level coursework.
- earning college credit(s) prior to graduation.
- reducing future costs for higher education.
- reducing the amount of time that the student must spend in secondary and/or post-secondary school.

The advanced courses offered in middle and high school in Lynbrook UFSD and brief descriptions are included as an attachment. Grade levels have been included to help you determine the courses available to your child in the upcoming school year.

To be eligible for these courses, students must prepare by mastering fundamental concepts relevant to the subject area, utilizing all available resources to deepen understanding. This includes actively participating in class discussions, seeking clarification on complex concepts, and collaborating with peers to enhance comprehension. It is imperative that students establish a disciplined study routine, prioritize time management, and maintain open communication with teachers for support. Additionally, students must begin to embrace challenges as opportunities for growth, persevere through setbacks with resilience, and remain committed to excellence in academic pursuits.

The following supports are provided to help students succeed in advanced courses.

Academic Support

Extra help fosters a collaborative learning environment, where students can receive more personalized attention, clarify doubts, and deepen understanding through peer interaction, ultimately enhancing their academic performance and confidence.

Non-academic Supports

Guidance counselors, social workers, and psychologists support students by providing emotional support, helping manage stress, and fostering resilience amidst academic challenges. These professionals address individual needs, promote well-being, and empower students to navigate the demands of advanced coursework with confidence and success.

More specific information related to advanced coursework can also be found on our website www.lynbrookschools.org in the letter and course selection forms and LHS Student Handbook and Curriculum Guide located on the secondary school pages. Questions related to your child's participation in advanced coursework may be referred to your child's guidance counselor.

Sincerely,

Dr. Gerard I. Beleckas

Gerard I. Beleckas, Ph.D.
Assistant Superintendent for
Curriculum, Instruction and Assessment

ADVANCED COURSES

Grade 7

Math 7 Accelerated covers 7th and 8th grade topics in preparation for Algebra I, providing access to the entire high school math sequence.

Grade 8

Algebra I is the first course in mathematics for the NYS High School Regents curriculum.

Earth Science is a high school regents course that investigates rocks and their changes, weather and its causes, etc., and opens the possibility of taking Living Environment H.

Living Environment is a high school regents course that is designed to give students an understanding of life in all its aspects.

Studio in Art is a high school level survey course that involves the fundamental principles of space, form, balance, and line that are common to all future art curricula and provides access to the entire high school art sequence.

Grades 9-12

English 9H is an honors level course that involves a genre study that includes in-depth analysis and interpretation of short stories, novels, the novella, poetry, drama, and nonfiction.

English 10H is an honors level course that is geared toward those students who expect to pursue advanced placement courses and focuses on reading literature perceptively and expressing oneself clearly and effectively.

English 11AP / Language & Composition is an AP level course that makes students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

English 12AP / Literature is an AP level course that engages students in becoming skilled readers of prose written in a variety of contexts and becoming skilled writers who compose for a variety of purposes.

College Journalism is a Molloy University creditable course and offers a hands-on, intensive writing class featuring exposure to the complexities of producing a prize-winning school paper.

AP Studio Art is an AP level course designed for students who are seriously interested in the practical experience of art.

Spanish 2H is an accelerated course, solely conducted in Spanish, recommended for students who have demonstrated extremely high academic achievement in the four language skills: listening, speaking, reading, and writing.

Spanish 3H is an accelerated course that prepares students to communicate using more sophisticated language structures and focuses on mastery of numerous verb tenses.

Spanish 4H is an accelerated course that is recommended for those students who have demonstrated superior proficiency in the four major language skills and is part of the preparation for the Spanish AP Exam that will be taken in Spanish 5AP.

Spanish 5AP is an AP level course that helps prepare students to demonstrate their level of Spanish proficiency across three communicative modes: Interpersonal, Interpretive, and Presentational, as well as the National Standards for Foreign Language: Communication, Cultures, Connections, Comparisons, and Communities.

Italian 2H is an accelerated course, solely conducted in Italian, that is recommended for students who have demonstrated extremely high academic achievement in the four language skills: listening, speaking, reading, and writing.

Italian 3H is an accelerated course that focuses on mastery of numerous verb tenses; these grammatical concepts are also combined with introducing and incorporating extensive vocabulary.

Italian 4H is an accelerated course recommended for those students who have demonstrated superior proficiency in the four major language skills and provides further opportunity to develop language skills through conversations, discussions, debates, writing journals, reports, and reading selections in the target language.

Italian 5AP is an AP level course that helps prepare students to demonstrate their level of Italian proficiency across three communicative modes: Interpersonal, Interpretive, and Presentational.

Conversational Spanish is a Molloy University creditable course that expands on world language topics and educates students on culture and diversity.

Conversational Italian is a St. John's University creditable course that expands on world language topics and educates students on culture and diversity.

College Programming/App Design is a Molloy University creditable course and introduces iPhone/iPad/Droid programming, Visual Basic, and Flash Action Scripting.

College AP Java is a Molloy University creditable computer programming course that prepares students for other college-level courses and focuses intensely on coding fundamentals and logic.

College Accounting I is a LIU creditable course that introduces fundamental financial accounting principles.

College Accounting II is a LIU creditable course that introduces managerial accounting concepts and how they can be used in fostering internal business decision making.

College Business Law I is a LIU creditable course that promotes ethical, legally minded, professional decisions.

College Business Law II is a LIU creditable course that builds upon College Business Law I.

College Virtual Enterprise I is a SUNY Farmingdale State College creditable course that is part of an international program that enables students to experience a simulated business environment.

College Virtual Enterprise II is a LIU creditable course that is part of an international program that enables students to experience a simulated business environment and is for returning students who want to play a bigger role in the business.

Geometry H is an honors level course that focuses on advanced analytical skills and engages students in critical analyses regarding advanced topics in geometry.

Algebra II H is an honors level course focusing on advanced mathematical reasoning skills and provides the background for Calculus study.

College Algebra is a Molloy University creditable course that consists of topics that would normally be found in a first-year college algebra math course.

College Pre-Calculus is a Molloy University creditable course that includes topics such as trigonometric equations, polynomial and transcendental functions, sequences and series, and limits.

AP Precalculus is an AP level course that explores content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

College Statistics is a Molloy University creditable course that consists of topics that would normally be found in a first-year college statistics math course.

College Calculus is a Molloy University creditable course that covers differential and integral calculus.

AP Calculus AB is an AP level course that focuses on applications of the derivative and integral, limits, techniques of differentiation, curve sketching, related rates, techniques of integration, area between two curves, and the volume of solids of revolution.

AP Calculus BC is an AP level course that covers all of AB Calculus, plus polynomial approximations, Taylor series, improper integrals, derivatives of polar, parametric, and vector functions, and more advanced differential equations.

Living Environment H is an honors level course that includes an in-depth study of the molecular, ecological, and evolutionary dynamics of biology.

Biology AP is an AP level course equivalent to a college biology course usually taken by biology majors during their first year.

Physical Setting/Chemistry H is an honors level course that emphasizes mathematical problems and requires a detailed study of the principles of chemistry.

Chemistry AP is an AP level course equivalent to a first-year college chemistry.

AP Physics 1 is an AP level course and is equivalent to an algebra-based, introductory college-level physics course.

AP Physics 2 is an AP level course and is equivalent to a second-semester college course in algebra-based physics.

Environmental Science AP is an AP level course that includes the scientific principles, concepts, and measurement methods required to develop an understanding of the interrelationships of the natural world and requires analysis of ecological problems.

Marine Science is a Molloy University creditable course that incorporates marine biology and oceanography.

College Forensic Science is a Syracuse University creditable course that introduces the science behind crime detection.

Projects 2H is a SUNY Albany creditable course in which second-year science research students begin work on their long-term research project(s) in Social Sciences or Life Sciences.

Projects 3/IS is a SUNY Albany creditable course in which students complete research started in their junior/sophomore years to produce a competitive research paper for major competitions.

Global History & Geography 9H is an honors level course that prepares students for AP World History.

AP World History is an AP level course that examines world history from the 16th century through modern times.

United States History & Government AP is an AP level course that is designed to provide students with the analytical skills necessary to deal critically with problems and materials in United States history.

Microeconomics AP is an AP level course that gives students an understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system.

American Government & Politics AP is an AP level course that increases students' understanding of the nature of governmental decision-making in the U.S. and underscores the importance of playing active roles as citizens in the political life of the country.

College Financial Markets is a Molloy University creditable course that introduces the workings of financial markets and requires analysis of their role in the broader economy.

College Intro to Psychology is a Molloy University creditable course that offers general knowledge about the field of psychology and helps students better understand themselves, peers, and family.

AP Psychology is an AP level course that exposes students to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

College Intro to Sociology is a Molloy University creditable course that introduces students to the fundamental concepts of sociology and broadens student understanding and appreciation of our diverse society.