



## REMEDIAL PROGRAMS

Session 1: 8:00 a.m. to 11:15 a.m. \*Session 2: 11:45 a.m. to 2:45 p.m.

(\*if taking 2 remedial classes)

Classes Held Monday through Thursday

June 30 - July 31, 2025

**Cost: \$350 In District students can use code 0300 for a \$50 discount. If taking 2 remedial courses, use code 0301 at Checkout**

## BRIDGE PROGRAMS

Classes are held Monday through Wednesday

8:00 a.m. to 12:00 p.m.

June 30 - July 2

Cost: \$300.00 in-district students only

### ENRICHMENT PROGRAMS

Classes are held Monday - Thursday

Date: July 7 - 17, 2025

8:00 a.m. to 11:00 a.m.

Cost: \$300 in-district

**\*\*College Essay (July 14 - 17) - \$150.00**

### SCIENCE ENRICHMENT PROGRAM

*Open to LHS Students ONLY*

Science Research Experience I (LHS)  
Classes are held Monday - Thursday

Date: June 30, 2025 - July 31, 2025

9:00 a.m. to 1:00 p.m.

Cost: \$750.00/Student

Individual Student Learning Opportunity - **ONLINE**

Online Personal Financial Literacy

**Application Deadline: April 1, 2025**

**Dates: June 23 - August 15, 2025**

Cost: \$300.00 in-district students

Individual Student Learning Opportunity - **IN PERSON at LHS**

Geometry, Algebra 2, & Pre-Calc Honors

8:00 a.m. - 1:20 p.m.

**Application Deadline: April 1, 2025**

**Dates: June 25 - July 31, 2025, Final Exam July 31, 2025**

Cost: \$950.00 in-district students

Please note that courses will run contingent upon sufficient enrollment. Registration and tuition are due by **June 1st** for Bridge, Enrichment, and ISLO Classes. **NO refunds will be issued for canceling a registration after June 1st as teachers will have been hired for the class.** Should you register for a course that is canceled due to insufficient enrollment, your tuition will be refunded.

All classes will be held at Livingston High School, 30 Robert Harp Drive, Livingston, NJ 07039



### **Registration Form**

Questions? Email Us: [summeracademy@livingston.org](mailto:summeracademy@livingston.org)

Livingston Public Schools is committed to providing students with excellent educational experiences. For some students, additional time on task, under the guidance of certified teachers, permits them the time and attention to achieve their potential.

Three options exist for students looking for an additional academic challenge this summer:

**Remedial Courses, Bridge Courses, and Enrichment Courses.**

**Remedial Courses** follow the same curriculum as is taught during the academic year and are designed for students to recoup lost credit.

**Bridge Courses** are designed for students enrolling in Advanced Placement or Honors courses for the first time in September 2025.

**Enrichment Courses** provide students with a sample of content by which they might be intrigued. We encourage your child to have fun and try one of these courses! Brain Camp for our younger students, Art or Engineering for elementary and middle school, and Science Research are all found among the courses here.

Below, you will find information about program dates, times, registration, and tuition.

Please note that all courses will run contingent upon sufficient enrollment. Should you register for a course that is later canceled due to insufficient enrollment, your tuition will be refunded. Refunds will not be provided if students are absent or fail to attend.

## **REMEDIAL COURSES**

Summer school remedial courses are intended for students who have taken, but not earned, sufficient credit while taking the class during the academic year. As such, they consist of 60 hours of instruction per class over the course of 5 weeks. Up to two student absences are permitted per class. Students absent from a class for more than two days during the summer school session will not receive credit for participating in summer school. Refunds will not be provided as a result of student absences.

### **HIGH SCHOOL**

- Algebra I
- Algebra II
- Geometry
- Biology
- Chemistry
- US History I & II
- English I, II, & III
- Math/English Enrichment (up to 8 days)

### **MIDDLE SCHOOL**

- Math (Gr. 6)
- Pre-Algebra (Gr. 7-8)
- Integrated Science (Gr. 6-8)
- Social Studies (Gr. 6-8)
- English (Gr. 6-8)

### **Math Enrichment/English Enrichment (Up to 8 days)**

This class is geared toward LHS students who have registered for Math or English enrichment classes in their September 2025 schedule. It targets Grades 10 and 11 students who have not yet met their graduation requirements and will permit them time to work on the Accuplacer assessment to make progress toward meeting the expectations for high school graduation.

## **BRIDGE COURSES**

Bridge courses are intended for students who would benefit from a preview of the coursework they will encounter in the coming school year. Over the course of the 4-day program, key concepts from the initial units of study will be presented so that students are able to familiarize themselves with the topics they will see once the course begins. In addition, teachers will review effective study methods, and secrets to success in AP/Honors level coursework, and provide guidance as to how best to cope with a demanding course load. While some topics covered in these courses may help students as they complete their summer assignments for the respective classes, the summer assignment itself will not be completed as part of these bridge courses.

These classes are particularly recommended for students who:

- Are taking their first Advanced Placement (AP) or Honors class
- Were in a College Prep (CP) level course the previous year and are transitioning to an AP or Honors level class this year.

### Courses Offered

- Biology Honors
- Biology AP
- Algebra II Honors
- Chemistry Honors
- Chemistry AP
- Geometry Honors
- Pre-Calculus Honors
- Calculus (AB) AP
- Social Studies US I Honors/AP
- Pre-Algebra Grade 7
- Introduction to Algebra & Geometry Grade 8

### **PRE-ALGEBRA GRADE 7 (MIDDLE SCHOOL LEVEL)**

This bridge course will be useful to any student entering Pre-Algebra 7. The course will review arithmetic and algebraic skills needed for success in Pre-Algebra 7. Problem-solving and testing-taking strategies will also be emphasized during each lesson. Topics include the Number System, One-Step Equations, Evaluating Expressions, Unit Rate, Area, Surface Area, Volume, and Graphical Displays of Data. Taking this course does not prepare or enable students to skip Pre-Algebra or take Algebra 1. This course is strictly meant to prepare students for Algebra 7. Placement in Algebra 1 is determined by a thorough recommendation process that encompasses several data components, including marking period grades, placement test scores, teacher recommendation, and standardized test scores.

### **INTRODUCTION TO ALGEBRA & GEOMETRY GRADE 8 (MIDDLE SCHOOL LEVEL)**

This bridge course will be useful to any student entering Introduction to Algebra and Geometry. The course will review arithmetic and algebraic skills needed for success in the course. Problem-solving and testing-taking strategies will also be emphasized during each lesson. Topics include the Real Number System, Multi-Step Equations, Evaluating Expressions, Ratios and Proportional Relationships, Percent, Angle Pair Relationships, Area, Volume, and Probability. Taking this course does not prepare or enable students to skip Introduction to Algebra and Geometry. Placement in Algebra 1 is determined by a thorough recommendation process that encompasses several data components, including marking period grades, placement test scores, teacher recommendation, and standardized test scores.

## **BRIDGE COURSES**

### **BIOLOGY HONORS BRIDGE COURSE**

This bridge course will be useful to any student entering Biology Honors. This course will review basic lab skills and science and engineering practices as well as provide a refresher on topics covered in 7th-grade Life Science (Cell Structure & Function, Genetics, Evolution, and Ecology) and 8th grade Physical Science (Basic Chemistry).

### **BIOLOGY AP BRIDGE COURSE**

Any student registered for Biology AP could benefit from this bridge course. Students will receive AP level instruction on the following topics in order to provide them a foundation with which to successfully start the school year. Basic Chemistry and Biochemistry, Connections of Biochemistry to Human Body Systems, Molecular Genetics, and Evolution. Additionally, students will be engaged in investigations that would help solidify their lab skills and conclusion-writing abilities.

### **CHEMISTRY HONORS BRIDGE COURSE**

Any student registered for Chemistry Honors could benefit from this bridge course. This course will review basic lab skills, science and engineering practices, and algebraic manipulations appropriate for Chemistry Honors. In addition, a refresher of atomic structure, physical and chemical changes and properties, basic principles of bonding, arrangement of the periodic table, and the Law of Conservation of Matter (balancing chemical equations) will be offered as time permits.

### **CHEMISTRY AP BRIDGE COURSE**

Any student registered for Chemistry AP could benefit from this bridge course. Students will receive Honors-level instruction on the following topics in order to provide them a foundation with which to successfully start the school year: Formula and Equation Writing, Stoichiometry, Bonding and Intermolecular Forces, Equilibrium, and Thermodynamics. Additionally, students will be engaged in investigations that would help expose them to the kind of high-level thinking expected in an honors mathematics course.

### **GEOMETRY HONORS BRIDGE COURSE**

This bridge course will be useful to any student entering Geometry Honors. This course will review algebraic skills, such as solving and graphing linear and quadratic equations, simplifying radicals, and solving systems of equations. Geometry concepts taught in Pre-Algebra 7 and Pre-Algebra 8 will also be reviewed. Additionally, students will be engaged in investigations and activities that will help expose them to the kind of high-level thinking expected in an honors mathematics course.

### **ALGEBRA II HONORS BRIDGE COURSE**

Any student registered for Algebra II Honors could benefit from this course. Students will receive Honors level instruction on the following topics to provide them the foundation with which to successfully start the school year: writing equations of lines, linear functions, solving and applying linear and quadratic equations, absolute value equations and functions, laws of exponents, and simplifying radicals. The importance of proper mathematical notation will also be emphasized. Additionally, students will be engaged in investigations and activities that will help to expose them to the kind of high-level thinking expected in an honors mathematics course.

## **BRIDGE COURSES**

### **PRE-CALCULUS HONORS BRIDGE COURSE**

Any student registered for Pre-calculus Honors could benefit from this course. Students will receive Honors level instruction on the following topics to provide them the foundation with which to successfully start the school year: the different types of functions studied in Algebra II, with an emphasis on piecewise functions and rational functions. Additionally, students will be engaged in investigations and activities that will help to expose them to the kind of high-level thinking expected in an honors mathematics course.

### **CALCULUS (AB) AP BRIDGE COURSE**

Any student registered for Calculus (AB) AP could benefit from this bridge course. Students will receive instruction on the following topics at the AP-level to provide them the foundation with which to successfully start the school year: polynomial functions and their graphs, rational functions and their graphs, limits, average and instantaneous rate of change problems, the unit circle, radian measure, trigonometric functions and their graphs, and trigonometric identities. Additionally, students will be engaged in investigations and activities that will help to expose them to the kind of high-level thinking expected in an advanced placement mathematics course.

### **SOCIAL STUDIES US I HONORS/AP US HISTORY BRIDGE COURSE**

This bridge clarifies expectations for Honors US History I and AP US History II and emphasizes essential historical skills and academic habits that are necessary for success in these classes.

The practices taught in the bridge course will benefit students who want to familiarize themselves with the expectations for Honors US History I or AP US History II. The skills emphasized in this course will include: The analysis of historical themes, the application of historical thinking skills, the effective use of writing techniques, the fundamentals of argumentation strategies, and the interpretation of primary source documents and historiographic perspectives. During this week, students will employ these skills during guided practice on AP-style writing expectations and through a direct examination of the assessment rubric and past writing examples.

## **ENRICHMENT COURSES**

These courses have been designed in order to provide students with a taste of content they have wondered about. Over the course of 8 days/24 hours, the instructor and students will spend some time getting acquainted with the content area and identifying areas students may wish to pursue further, either in classes or extracurricular activities.

### **COURSES OFFERED:**

#### **HIGH SCHOOL**

- Art Foundations in Element & Principles
- College Essay (one week)
- Music Enrichment (Guitar/Ukulele)

#### **MIDDLE SCHOOL**

- Art Enrichment - Drawing, Painting, Sculpting, Ceramics
- DIP (Design, Innovation, Problem-Solving) into Engineering
- Music Enrichment (Guitar/Ukulele)

#### **ELEMENTARY SCHOOL**

- Art Enrichment - Drawing, Painting, Sculpting, Ceramics
- DIP (Design, Innovation, Problem-Solving) into Engineering
- Music Enrichment (Guitar/Ukulele)

## **HIGH SCHOOL ENRICHMENT COURSES**

### **COLLEGE ESSAY WRITING (ONE WEEK COURSE)**

This course will provide students with an opportunity to identify topics for and start the writing process for their college application essays. Utilizing a writing workshop style, students will come with ideas for their essays and personal statements, receive feedback from their instructor and have time to revise outlines and drafts of their work under the guidance of a teacher. This course will serve as a catalyst for students working on these documents and set young people on a course for successfully completing them prior to the start of the school year.

## **MIDDLE SCHOOL ENRICHMENT COURSES**

### **ART ENRICHMENT (DRAWING/PAINTING/SCULPTURE/CERAMICS) (GR. 6-8)**

This Art Enrichment course will incorporate the use of the Elements of Art and Principles of Design with the application of a variety of techniques and media. Self-expression and skill development will be focused on as students explore various art forms, such as drawing, painting, sculpture and ceramics.

### **DIP INTO ENGINEERING (DESIGN, INNOVATION, PROBLEM-SOLVING) (GR. 6-8)**

Students will develop design-thinking skills that unite a variety of educational goals and content area understandings. In this summer program, students will utilize anchor texts to engage and contextualize real-world problems, and develop habits of mind, practical skills, and practices of science and engineering to develop solutions to problems with local and global implications utilizing the engineering design process.



## **ELEMENTARY SCHOOL ENRICHMENT COURSES**

### **ART ENRICHMENT (DRAWING/PAINTING/SCULPTURE/CERAMICS) (GR. 3-5)**

This Art Enrichment course will provide students with the opportunity to broaden and enrich their experiences in the Visual Arts, and provide students with skills that will build on their current levels of artistic achievement. Students will better understand the elements and principles that govern the creation of artwork, and will have the opportunity to create works of art in a variety of media, such as drawing, painting, sculpture and ceramics.

### **DIP INTO ENGINEERING (DESIGN, INNOVATION, PROBLEM-SOLVING) (GR. 3-5)**

Students will develop design-thinking skills that unite a variety of educational goals and content area understandings. In this summer program, students will utilize anchor texts to engage and contextualize real-world problems, and develop habits of mind, practical skills, and practices of science and engineering to develop solutions to problems with local and global implications utilizing the engineering design process.

Students will engage in a variety of hands-on experiences, demonstrations, and mini labs while they take on the role of a variety of scientific and engineering professionals. Through diverse experiences, interaction with peers, ongoing inquiry and critical self-evaluation, students will spend the week working toward their ultimate goal of creating, testing, and evaluating and presenting their problem solutions to their peers.

## **MUSIC ENRICHMENT**

### **BEGINNER UKULELE CLASS (GR. 4-12)**

This class would cover the basics of ukulele playing including essential techniques such as: strumming, chords, thumb picking, note reading, group playing, and solo playing. Depending on the level, finger picking, improvisation, and composition may also be explored.

At the end of the summer session, pieces would be prepared for performance to share with families, showcasing student learning on their instrument.

Students preferably would have their own ukuleles with which to practice at home and bring to class but some district ukuleles could be used as well.

### **BEGINNER GUITAR CLASS (ACOUSTIC) (GR. 5-12)**

This class would cover the basics of guitar playing including essential techniques such as strumming, chords, thumb picking, note reading, and group playing. Depending on the level, finger picking, improvisation, and composition may also be explored.

At the end of the summer session, pieces would be prepared for performance to share with families, showcasing student learning on their instrument.

Students would have their own guitar with which to practice at home and bring to class. It is recommended that students use nylon string guitars as steel strings can present difficulties in playability for beginners.

### **INTERMEDIATE GUITAR CLASS (ACOUSTIC) (GR. 9-12)**

This class would focus on more complex guitar techniques such as: finger style playing & finger picking, music theory & free harmony, scales/arpeggios, chord inversions, improvisation & composition.

At the end of the summer session, pieces would be prepared for performance to share with families, showcasing student learning on their instrument.

Students would have their own guitar with which to practice at home and bring to class. Nylon string is preferred but steel string is also acceptable for use.

## **SCIENCE RESEARCH PROGRAM**

This in-person research course aims to help students develop their research skills under the guidance of LPS faculty. The Science and Engineering Practices will be the central to this course. They include asking questions and defining problems; developing and using models; planning and carrying out investigations; analyzing and interpreting data; using mathematical and computational thinking; constructing explanations and designing solutions; engaging in argument from evidence; and obtaining, evaluating and communicating information.

### **SCIENCE RESEARCH EXPERIENCE I**

Target Audience: Current Sophomores and Juniors (Livingston Students Only)

Dates: 6/30/2025 - 7/30/2025

Classes are Held: Monday - Thursday

Times: 9:00 a.m. - 1:00 p.m.

Cost: \$750.00 (5 credit option available - see below)

Location: Livingston High School

Description: This five-week elective will provide students with the opportunity to conduct an authentic research project. Students interested in this elective will need to develop a research proposal by May 1st. Students should submit an electronic copy of their research proposal to Mr. Carey at [bcarey@livingston.org](mailto:bcarey@livingston.org) by this date and schedule a meeting with the instructor to discuss the proposal and any supplies needed by June 1. Instructor permission is required to conduct research projects prior to the start of the course.

The research proposal will include the following sections:

- Rationale for research project (including no less than three citations)
- Procedure
- Supplies needed
- Data to be collected and analyzed

Students interested in the for-credit option will need to meet the required 120-hour minimum to receive five credits. To accomplish this, students are required to keep a log of hours spent developing their proposals, which should take roughly 15 hours to develop.

Students will continue to keep a log of their research time in the lab, which should account for an additional eighty hours. Finally, once the research is complete, students will compile their work into either a presentation or paper, which will be presented to science department faculty. This compilation would account for the remaining twenty-five hours.

# INDIVIDUAL STUDENT LEARNING OPPORTUNITY (ISLO) ONLINE PERSONAL FINANCIAL LITERACY (PFL) COURSE

**\*\*PLEASE NOTE THE ISLO DEADLINE IS APRIL 1, 2025**

## **PERSONAL FINANCIAL LITERACY (ACCELERATION COURSE)**

Target Audience: Rising Juniors and Seniors

**Dates: June 23, 2025 - August 15, 2025**

Time: Flexible Schedule, student work submitted online weekly

Location: Online coursework and final exam (project)

Description: This online course provides students with an opportunity to complete Personal Financial Literacy (PFL) coursework from any location on their own schedule while adhering to weekly deadlines. This course was developed to be an independent educational environment where learning and assessment is completed in an online platform. The course includes elements of student choice over time, place, or pace in their learning. This option covers the same material as the traditional PFL course taught during the academic year at Livingston High School. *Please note that this course is not recommended for students whose schedules, travel plans or access to the Google Suite would prohibit weekly assignment submission.*

The course focuses on the five separate strands of personal finance which include income and careers; money management, credit and debt management, planning, saving, and investing; becoming critical consumers; citizen financial responsibility; and risk management and insurance. This course is designed to assist students in recognizing their financial responsibilities today and those they will encounter in the future. Topics include developing knowledge of banking, credit, stocks, bonds, mutual funds, and real estate. Real-life, real-time assignments and investment challenges are examples of projects designed for this course.

Students interested in this option should complete two applications - one is the ISLO application available on the LHS School Counseling page and the other is the LPS Summer Academy registration form which you submit with payment once you receive your ISLO approval letter.

This course fulfills the NJ high school graduation requirement for Personal Financial Literacy.

## INDIVIDUAL STUDENT LEARNING OPPORTUNITY (ISLO)

### **GEOMETRY CP (COLLEGE PREP)**

### **ALGEBRA 2 CP (COLLEGE PREP)**

### **PRE-CALCULUS H (HONORS)**

**\*\*PLEASE NOTE THE ISLO DEADLINE IS APRIL 1, 2025**

#### **GEOMETRY CP ACCELERATION COURSE**

#### **ALGEBRA 2 CP ACCELERATION COURSE**

#### **PRE-CALCULUS HONORS ACCELERATION COURSE**

Target Audience: Rising Sophomores, Juniors and Seniors

**Dates: 6/25/2025 - 7/31/2025**

**Time: 8:00 a.m. to 1:20 p.m.**

Location: LHS, final exam must be taken onsite at LHS on July 31, 2025

For students interested in an alternative to traditional high school coursework, we are offering an opportunity to complete a full year of math study in 6 weeks.

Geometry, Algebra 2 and Pre-Calculus Honors will be taught at the Livingston High School by LHS teachers and will enable a student to earn course credit for one of these classes, if they pass the final exam.

Students interested in this option should complete two applications - one is the ISLO application available on the LHS School Counseling page and the other is the LPS Summer Academy registration form which you submit with payment once you receive your ISLO approval letter.

This course fulfills the NJ high school graduation requirement for Algebra 2 CP and Geometry CP.

#### **GEOMETRY CP**

This Geometry course includes the study of plane and solid figures, critical deductive and inductive reasoning and the axiomatic method of proof. Numeric and algebraic applications are linked to the geometric concepts.

#### **ALGEBRA 2 CP**

This Algebra 2 course focuses on the study of nonlinear functions; polynomial, radical, and rational. The course also extends the study of algebra from real numbers to the complex number system. Emphasis is placed on understanding the behavior and characteristics of functions numerically, analytically, and graphically. Applications are made through word problems and will integrate algebra skills and geometric concepts.

#### **PRE-CALCULUS HONORS**

This is a rigorous course which includes instruction in trigonometry, analytic geometry, matrices, linear and nonlinear functions, sequences, series, and an introduction to limits. Students must demonstrate their grasp of essential concepts through their interaction with each other. Challenge problems, calculator labs, video presentations, and group work extend and expand text material and provide opportunities for students to communicate mathematical understanding.

Up to two student absences are permitted per class. Students absent from a class for more than two days during the summer school session will not receive credit for participating in summer school. Refunds will not be provided as a result of student absences.