LOYOLA HIGH SCHOOL
OF LOS ANGELES
JESUIT PREPARATORY

SUMMER SESSION
COURSE CATALOGUE
2018

June 18th – July 20th

For updated information, please check our website:  www.loyolahs.edu > Academics > Summer Session
For questions, please call (213) 381-5121, Extension 1202, 1207, 1208, or 1220
or email: summerquestions@loyolahs.edu
Registration materials will be available online.
Loyola High School of Los Angeles Summer Session offers a comprehensive and innovative course of study for young men and women entering the sixth through twelfth grades in the fall. Now in its fifty-eighth year of successful operation, the five-week summer curriculum is designed to reinforce the fundamental concepts, attitudes, and skills necessary for academic success in a variety of subject areas. In addition, Loyola’s summer session provides opportunities for participation in and development of co-curricular skills. The summer program is designed to combine serious academic study and physical activity with a relaxed social atmosphere.

Our desire is that your son or daughter will find the summer session to be an enjoyable learning experience. This publication offers important information for you and your son or daughter that will be of assistance during Loyola’s five-week summer program. We ask that you take the time to read through the following information with your son or daughter and keep it in a convenient place so that you may refer to it when necessary. If you have any questions, please contact the main office.

The main office is open from 7:00 a.m. – 3:00 p.m. during the summer session.

On behalf of the summer session faculty and staff, we hope you have a great experience at Loyola High School.

Mrs. Judy Dell’Amico, Director of Summer Session
Mr. Chris Walter, Assistant Director of Summer Session
Dr. Evelyn Mabra, Dean of Summer Session
Mrs. Diane Arias, Summer Session Administrative Assistant
2018 SUMMER SESSION KEY DATES

March 7  Registration opens for all students
May 23  Online registration deadline
         (No refunds after this date.)
May 24 - June 20  Late online registration (late fee applies)
June 18 - July 20  Summer session classes meet
July 4, 5, and 6  Summer session holidays

SCHEDULE

Classes meet Monday through Friday
Period 0:  7:10 - 8:25 a.m.
Period 1:  8:30 - 9:45 a.m.
Recess:  9:45 - 10:05 a.m.
Period 2:  10:10 - 11:25 a.m.
Lunch:  11:25 - 11:55 a.m.
Period 3:  12:00 - 1:15 p.m.
Period 4:  1:20 - 2:35 p.m.
Summer Sports:  12:00 - 3:00 p.m.

CONTACT INFORMATION

Loyola High School Summer Session
1901 Venice Blvd.
Los Angeles, CA 90006
213-381-5121

For general information contact:
Mrs. Diane Arias, Summer Session Office, Extension 1202
Mrs. Rosie Morales, Registrar, Extension 1208
Mrs. Barbara Jamison, Extension 1207
Ms. Jenavi Hernandez, Extension 1220

To report an absence or tardy:
Ms. Jenavi Hernandez, Dean’s Office, Extension 1205
ENROLLMENT

- Most classes have a limited enrollment. Classes will be scheduled according to class and period availability on a first-come, first-served basis.
- The school reserves the right to cancel any course that does not meet minimum enrollment. You will be contacted if a class is canceled or closed and will be offered a new class or will be given a full refund.
- Unless otherwise noted, all classes receive 2.5 semester units (equivalent to ½ semester of credit).
- Student schedules with room locations and teachers’ names are to be picked up (on the first day of classes) in Xavier Center.

REGISTRATION

- Registration will open on March 7, 2018, and must be completed online by May 23, 2018.
- The cost for most courses is $495.00 per class.
- Books are included for most classes unless otherwise indicated. Certain classes may have an additional lab fee.
- Late registration is available from May 24 - June 20. A $50.00 processing fee PER CLASS will be charged for late registration.

REFUNDS

- Tuition is refundable on or before May 23, 2018, minus a nonrefundable $50.00 registration fee per class.
- Budgeting commitments must be made prior to the opening of summer session; therefore, the school will not refund tuition for withdrawals after May 23, 2018.

CLASS CHANGES

- The last day to make any class changes will be Wednesday, June 20, 2018.
- A fee of $50.00 will be charged to change a class or change a period from June 18 – June 20, 2018.
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ATHLETIC COURSES

AFTERNOON SPORTS PROGRAM

Department: Athletic
Open to: 6th-8th grades
Period: 4 Only (1:20-3:00 p.m.)
Length: 5 weeks
Tuition: $495

This recreational sports program uses Loyola’s gym, field, and pool. The activities include basketball, softball, over-the-line, whiffle ball, dodgeball, swimming (girls are required to wear a one-piece bathing suit), and flag football. Tuition includes a $5.00 fee for a lock to be used in securing the student’s personal belongings in a gym locker. NOTE: This offering is not a skills class. The focus is to have the students participate in a variety of recreational activities.

AFTERNOON SPORTS PROGRAM

Department: Athletic
Open to: 6th-8th grades
Periods: 3 and 4 (12:00 noon to 3:00 p.m.)
Length: 5 weeks
Tuition: $920

This recreational sports program uses Loyola’s gym, field, and pool. The activities include basketball, softball, over-the-line, whiffle ball, dodgeball, swimming (girls are required to wear a one-piece bathing suit), and flag football. Tuition includes a $5.00 fee for a lock to be used in securing the student’s personal belongings in a gym locker. NOTE: This offering is not a skills class. The focus is to have the students participate in a variety of recreational activities.

BASEBALL

Department: Athletic
Open to: 6th-8th grades
Period: 2 or 3
Length: 5 weeks
Tuition: $495

This course is designed to teach each player the fundamentals of baseball. Skills such as hitting, fielding, pitching, catching, and baserunning will be covered. More intricate lessons of the game suitable for middle school-aged students and beyond will also be taught. Each player will need to provide his or her own baseball glove, shoes, pants, hat, and bat.
BASKETBALL

**Department:** Athletic  
**Open to:** 6th-8th grades  
**Period:** 1 or 2  
**Length:** 5 weeks  
**Tuition:** $495

This course is designed to instruct each student in the basics of basketball. Areas that will be covered include passing, dribbling, shooting, movement with the ball, defensive skills, and teamwork.

DIVING

**Department:** Athletic  
**Open to:** 6th-8th grades  
**Period:** 2  
**Length:** 5 weeks  
**Tuition:** $495

This course is designed to instruct students on the fundamentals of springboard diving. Have you ever seen those divers in the Olympics do the flippy, twisty thing? Would you like to learn how? This class teaches basic stretching, conditioning, and fundamental diving skills. All levels are welcome and absolutely no experience is needed. Just bring a desire to learn new dives and have fun! You will learn to overcome your fears and have a blast in the pool.

FLAG FOOTBALL

**Department:** Athletic  
**Open to:** 6th-8th grades  
**Period:** 1  
**Length:** 5 weeks  
**Tuition:** $495

This course is designed to instruct each student in the basics of flag football. Skills that will be covered are blocking, passing, and receiving. Offensive instruction will include formations, plays, and techniques. Defensive instruction will include run defense, pass defense, alignments, and techniques. The class will benefit players of any skill level. Each student will need to provide his/her own shoes.

FUTSAL (INDOOR SOCCER)

**Department:** Athletic  
**Open to:** 6th-8th grades  
**Period:** 0  
**Length:** 5 weeks  
**Tuition:** $495

An indoor version of the “beautiful game” played on a hard court, with small-sided games (5-a-side or 6-a-side) to smaller goals. The futsal ball is also usually smaller and heavier than a regular soccer ball. The playing
surface, ball, and rules create an emphasis on improvisation, creativity, and technique as well as ball control and passing in tight spaces. And it’s SO MUCH FUN!!!

GOLF FUNDAMENTALS

Department: Athletic  
Open to: 6th-8th grades  
Period: 1 or 2  
Length: 5 weeks  
Tuition: $495

Golf Fundamentals focuses on the golf swing, including an emphasis on grip, alignment, ball position, and posture (GAPP). Other areas of attention include chipping and putting basics, as well as an in-depth understanding and appreciation for the history of golf and rules of golf as governed by the USGA. The class will meet on Dewey Field where fundamentals will be taught; then, students will put their knowledge into practice by hitting and chipping into nets, putting on portable greens, and using swing training aids to build core strength and muscle memory. Although a general understanding of golf is preferred, the class is open to players of any ability. Each period is limited to 16 participants in order to maximize one-on-one instructional time. Each student will need to provide his/her own clubs.

LACROSSE

Department: Athletic  
Open to: 6th-8th grades  
Period: 1  
Length: 5 weeks  
Tuition: $495

This course is designed to teach each player the fundamentals of Lacrosse. Skills such as scooping ground balls, passing, catching, dodging, and shooting will be covered. We will also go over defensive footwork, positioning, and communication. We’ll take the individual skills learned and apply them to broad offensive and defensive team concepts. Each player will need to provide his own lacrosse stick, gloves, elbow pads, shoulder pads, helmet, shoes and mouthpiece.

SOCCER

Department: Athletic  
Open to: 6th-8th grades  
Period: 1 or 2  
Length: 5 weeks  
Tuition: $495

The soccer class is taught by coaches from the Loyola soccer program. The coaches focus on developing the players’ skills, no matter what level the players currently are. Along with developing and improving skills of the game, the class will work on the tactical part of the game by playing games and by doing different fun activities to simulate game situations. This class is designed for players of any skill level from top club players to beginners. Players will be able to take what they have learned in the class and continue to work on their
skills even after the class has completed. If you want to learn about the game and improve your skills in a fun-filled environment, this class is for you. Each student will need to provide his/her own shoes and shin guards.

**SWIMMING**

*Department: Athletic*
*Open to: 6th-8th grades*
*Period: 2*
*Length: 5 weeks*
*Tuition: $495*

This course is designed for all students who desire instruction and practice in various swimming strokes, lifesaving techniques, and endurance swimming, regardless of previous swimming experience. Both first-time and experienced swimmers are welcome, and all students will progress. Each student must have his/her own bathing suit. Coaches will be on deck to give group instruction as well as personal one-on-one attention to the students. We look forward to seeing you on the pool deck!

**TRACK AND FIELD**

*Department: Athletic*
*Open to: 6th-8th grades*
*Period: 0*
*Length: 5 weeks*
*Tuition: $495*

This course is designed to teach the fundamentals of track and field. Events covered are the pole vault, discus, shot put, high jump, long jump, triple jump, hurdles, and all running events. Students will participate in drills relevant to each event, and instructional videos will be used. Running or track shoes are required.

**WATER POLO**

*Department: Athletic*
*Open to: 6th-8th grades*
*Period: 3*
*Length: 5 weeks*
*Tuition: $495*

This course teaches the basic skills associated with the game of water polo. The course is designed for all students regardless of experience. Students receive instruction in skills such as dribbling, passing, and shooting. Students will also learn the basic tactics of the game of water polo. Both first-time and experienced players are welcome, and all students will progress. Coaches will be on deck to give group instruction as well as give personal one-on-one attention to the students. Each player must have his/her own bathing suit. We look forward to seeing you on the pool deck!
WATER POLO WEIGHT TRAINING AND CONDITIONING

Department: Athletic
Open to: 10th-12th grades - Loyola Students Only
Period: 2
Length: 5 weeks--Classes begin June 18th and meets on Monday, Wednesday, and Thursday.
Tuition: $400

Players will use Loyola’s Pernecky Weight Room facility. This program is open to returning Loyola water polo players and should be considered for all athletes who plan to participate in water polo in the summer and fall.

WEIGHT TRAINING AND CONDITIONING

Department: Athletic
Open to: 9th-12th grades - Loyola Students Only
Period: 0, 1, 2, 3, or 4
Length: 5 weeks--Classes begin June 18th and meet on Monday, Wednesday, and Friday.
Tuition: $400

This very successful program is open to Loyola students only and should be considered a MUST for all incoming freshmen, ESPECIALLY those who intend to participate in sports. The class will cover all facets of athletic performance training and will help students foster the physical and mental discipline necessary to excel both as a student and a student-athlete at Loyola. Students will use Loyola’s Pernecky Weight Room facility.

Period 0 - 6:00 a.m. start time (Varsity Football)
Period 1, 2 or 4 - (Freshman Football and all other athletes)
Period 3 – (Sophomore Football)
* If interested in a Tuesday/Thursday Leadership lab class to go with the Weight Training and Conditioning course, see the COMBO class below.

COMBO CLASS: WEIGHT TRAINING AND CONDITIONING AND LOYOLA LEADERSHIP LAB: DISCOVER AND STRENGTHEN THE LEADER WITHIN

Department: Athletic
Open to: 9th-12th grades - Loyola Students Only
Period: 1, 2, or 4
Length: 5 weeks—Weight Training meets on M, W, and F & Leadership Lab meets on T and Th
Tuition: $595

*This course is if you are interested in taking BOTH classes: Weight Training and Conditioning and Loyola Leadership Lab: Discover and Strengthen the Leader Within

Weight Training
This very successful program is open to Loyola students only and should be considered a MUST for all incoming freshmen, ESPECIALLY those who intend to participate in sports. The class will cover all facets of athletic performance training and will help students foster the physical and mental discipline necessary to excel both as a student and a student-athlete at Loyola. Students will use Loyola’s Pernecky Weight Room facility.
Loyola Leadership Lab
Each of us has the capacity to be purposeful, values-driven, and impactful leaders in our families, schools, and communities. Hands-on exercises, game play, and simulations coupled with engaging presentations, everyday leader spotlights/profiles and small group exercises/roleplaying activities will provide the foundation and springboard for each student to discover their “Leader Within” and take the first steps in “Designing Their Leadership Life and Path” through high school, college, and beyond. This fast-paced and energizing class will strengthen leadership qualities/characteristics including self-awareness, innovation/creativity, resilience, being men for others, heroism/courage, and stewardship/servant leadership. Additional focus will be placed on learning leadership skill-sets such as design-thinking/problem-solving, meeting management and facilitation, presentation techniques, team-building/team management. **This course is open only to Loyola High School students.**

ADVANCED COMBO CLASS: WEIGHT TRAINING AND CONDITIONING AND ADVANCED LOYOLA LEADERSHIP LAB: DISCOVER AND STRENGTHEN THE LEADER WITHIN

**Department:** Athletic  
**Open to:** 9th-12th grades - Loyola Students Only  
**Period:** 3  
**Length:** 5 weeks—Weight Training meets on M, W, and F & Leadership Lab meets on T and Th  
**Tuition:** $595

*This course is if you are interested in taking BOTH classes: Weight Training and Conditioning and Advanced Loyola Leadership Lab: Discover and Strengthen the Leader Within

**Weight Training**
This very successful program is open to **Loyola students only** and should be considered a **MUST** for all incoming freshmen, **ESPECIALLY** those who intend to participate in sports. The class will cover all facets of athletic performance training and will help students foster the physical and mental discipline necessary to excel both as a student and a student-athlete at Loyola. Students will use Loyola’s Pernecky Weight Room facility.

**Advanced Loyola Leadership Lab**
The Advanced Leadership Lab revisits and expands the leadership concepts and skills introduced in Leadership Lab with a special emphasis on presentation skills, meeting management and facilitation graphics, and situational role-playing. Class participants will be making a variety of presentations with and without technology, facilitating discussions with their peers, and working through a number of simulated leadership situations to experiment with a variety of leadership techniques and methods. **Prerequisite:** All class participants must have taken Leadership Lab during Summer 2017.  
**This course is open only to Loyola High School students.**

**YOGA**

**Department:** Athletic  
**Open to:** 6th-12th grades  
**Period:** 2  
**Length:** 5 weeks--Classes begin on June 19th and meet on Tuesdays and Thursdays only.  
**Tuition:** $195
As a yoga class for all levels, we will move through our Asanas (postures) with a breath to movement flow. Yoga is a key essential for all people to improve flexibility, balance, core strength, as well as provide a low impact source of recovery and over all wellness and vitality. Students need to provide their own yoga mat and towel.

**ADULT COURSES**

** If you wish to enroll in one of our courses for adults, you will NOT register via the student registration. Please go to the link for adult courses on the left side of the summer session page.

**ADULT FITNESS**

**Department:** Adult courses  
**Open to:** Adults  
**Period:** 1  
**Length:** 5 weeks--Classes begin on June 18th and meet Monday through Thursday. There is no class on Friday.  
**Tuition:** $400

Adult Fitness will entail various types of workouts throughout the five-week class. Participants will start with an introduction to exercises that work a variety of body parts and an initial fitness test that will help you measure your improvements from Week 1 through Week 5. Resistance training, circuit training, and Cardio Blast are just a few examples of activities that will be covered. The class is designed for all levels of fitness and will allow you to work out at a pace that fits your individual needs.

**ADULT INTRODUCTION TO MINDFULNESS**

**Department:** Adult courses  
**Open to:** Adults  
**Period:** 4  
**Length:** 5 weeks--Classes begin on June 18th and meet on Mondays only.  
**Tuition:** $110

An introduction to mindful awareness. Learn formal and informal mindfulness meditation techniques and how this practice relates to enhanced sense of well-being in our daily lives. Topics discussed include reduction of stress, anxiety and depression, pain management, dealing with negative emotions and cultivating positive emotions, enhancing relationships and more.

**ADULT YOGA**

**Department:** Adult courses  
**Open to:** Adults  
**Period:** 2  
**Length:** 5 weeks--Classes begin on June 18th and meet on Mondays, Wednesdays and Fridays only.  
**Tuition:** $285
As a yoga class for all levels, we will move through our Asanas (postures) with a breath to movement flow. Yoga is a key essential for all people to improve flexibility, balance, core strength, as well as provide a low impact source of recovery and over all wellness and vitality. Students need to provide their own yoga mat and towel.

THE HISTORY OF WORLD WAR II FOR ADULTS

Department: Adult courses
Open to: Adults
Period: 3
Length: 5 weeks
Tuition: $495

Has history been a burning passion of yours but have never had the chance to pursue it? Was history a thing of the past but now it’s all you can think of? This Adult class will allow you to re-live your past and study the History of World War II. This class will examine the causes, the course, and the implications of one of histories most devastating wars. World War II was a global war of epic proportions. Over 70 nations took part in the conflict, and fighting took place on the continents of Africa, Asia, and Europe, as well as on the high seas. Entire societies participated as soldiers, war workers, and victims of occupation and mass murder. The History of World War II will be an intensive study of the major events, leaders, and themes of the most significant war in modern history. Topics will include the role of new military technology, social effects on civilians, the impact of the war on the post-war Europe and Asia, and the development of the Cold War. It will handle most of the geographic areas involved, the major diplomatic, political and military events, and most of the key figures of the war. This course will allow our adults a chance to develop analytical skills by examining primary documents from the era. Oral discussion and participation will also be a key component to this class. Various methods of instruction will be used to help the students better understand the history behind one of the worlds most significant events in world history.

COLLEGE PREPARATION COURSES

ACT SCIENCE/MATH PREPARATION

Department: College Preparation
Open to: 10th-12th grades
Period: 3
Length: 5 weeks
Tuition: $495

Course instruction focuses on teaching students strategies and content to allow them to be successful in the math and science sections of the ACT Exam. The course will offer an in-depth review of math content topics including algebra, plane and coordinate geometry, and trigonometry as applicable to the exam, and strategies that will help students manage time and minimize errors. For the science section, students will become familiar with the structure of the exam and learn to analyze data in tables and figures given for biology, chemistry, geology/earth science and physics passages and learn multiple strategies to help with accuracy and pacing during the exam. Students will practice problems in which they can apply the concepts learned and will have
multiple opportunities to take official practice exams and receive score analyses and guidance for score improvement.

**ACT VERBAL PREPARATION**

**Department:** College Preparation  
**Open to:** 10th-12th grades  
**Period:** 2  
**Length:** 5 weeks  
**Tuition:** $495

Course instruction focuses on teaching students strategies and content to allow them to be successful in the English, reading, and writing sections of the ACT Exam. This course will offer an in-depth review of usage and mechanics and rhetorical skills covering punctuation, basic grammar, sentence structure, general writing style and organization as applicable to the exam, and strategies that will help students manage time and minimize errors. Reading comprehension strategies as well as writing skills will also be discussed. Students will practice questions in which they can apply the strategies learned and will have multiple opportunities to take official practice exams and receive score analyses and guidance for score improvement.

**COLLEGE APPLICATION ESSAY WORKSHOP**

**Department:** College Preparation  
**Open to:** 12th grade - Loyola Students Only  
**Periods:** 1 and 2  
**Length:** 8:30 a.m.-11:25 a.m. during one of the following three weeks:  
Session 1-June 11-15  
Session 2-June 18-22  
Session 3-June 25-June 29  
**Tuition:** $345

The College Application Essay Workshop is a one-week intensive workshop open only to Loyola High School rising seniors, which focuses specifically on crafting effective draft essays for both the UC and Common Application prompts. These workshops will be run by the Loyola counseling staff with college admissions representatives as guest speakers.

**COLLEGE APPLICATION ESSAY WORKSHOP**

**Department:** College Preparation  
**Open to:** 12th grade - Loyola Students Only  
**Periods:** 3 and 4  
**Length:** 12:00 p.m.-2:40 p.m. during the following week:  
Session 1-June 11-15  
**Tuition:** $345

The College Application Essay Workshop is a one-week intensive workshop open only to Loyola High School rising seniors, which focuses specifically on crafting effective draft essays for both the UC and Common Application prompts. These workshops will be run by the Loyola counseling staff with college admissions representatives as guest speakers.
COLLEGE RESEARCH WORKSHOP

Department: College Preparation
Open to: 11th grade - Loyola Students Only
Periods: 1 and 2
Length: 8:30 a.m.-11:25 a.m. during the following week:
Session 1-June 11-15
Tuition: $345

A week-long workshop designed to teach you how to use the tools and understand the resources available in the college research process. This program will give you a jump-start on how to search for schools that are a best “Fit,” and define what “fit” means to both a prospective student vs. a college/university. This program will supplement the college process conducted in junior year through the Counseling Department.

SAT/PSAT MATH TEST PREPARATION

Department: College Preparation
Open to: 10th-12th grades
Period: 2
Length: 5 weeks
Tuition: $495

This course is designed for any tenth through twelfth grader who wants to prepare and practice for the math portion of the SAT Exam. There will be a major emphasis on efficient test-taking techniques: how to approach the examination, what to expect, and how to make the most of what the student has learned. The math section involves a thorough review of mathematical concepts and extensive practice in problem solving. A review of algebra, geometry, fundamentals, data analysis, and some advanced topics including trigonometry will be included. Sample exams of the SAT Exam will be taken.

SAT/PSAT VERBAL TEST PREPARATION

Department: College Preparation
Open to: 10th-12th grades
Period: 3
Length: 5 weeks
Tuition: $495

This course is designed for any tenth through twelfth grader who wants to prepare and practice for the verbal portion of the SAT Exam. This course focuses ONLY on the verbal portion of the SAT Exam, not the essay portion of the SAT Exam. There will be a major emphasis on efficient test-taking techniques: how to approach the examination, what to expect, and how to make the most of what the student has learned. For the reading section there will be an emphasis on vocabulary in context; command of evidence; constructing logical arguments; and scientific reasoning. For the writing and language section there will be an emphasis on logic and expression of ideas, higher-level writing skills, and punctuation rules. Sample exams of the SAT Exam will be taken.
SAT WRITING TEST PREPARATION

Department: College Preparation
Open to: 10th-12th grades
Period: 1
Length: 5 weeks
Tuition: $495

This course is designed for any tenth through twelfth grader who wants to prepare and practice for the writing portion of the SAT Exam. This course focuses solely upon the writing portion of the SAT—the English section and the optional essay analysis portion only. This course will not focus upon the critical reading passages or the math section. This course will provide students with a structured, comprehensive review of all essential grammar, sentence structure, and punctuation rules relevant to the SAT exam. In addition, the course will cover the optional SAT essay writing section that requires students to apply their knowledge of rhetorical devices and essay structure in order to write a well-supported, well-developed, grammatically correct analysis.

ENGLISH COURSES

CREATIVE WRITING

Department: English
Open to: 6th-8th grades
Period: 1 or 2
Length: 5 weeks
Tuition: $495

This course enables students to explore their own creative writing talents, allowing them to discover their own writers’ voices while writing short fiction, poetry, and drama.

ENGLISH 6/7

Department: English
Open to: 6th-7th grades
Period: 1, 2, or 3
Length: 5 weeks
Tuition: $495

This course is designed to develop, strengthen, and improve areas in reading, writing, speaking, and listening. Lessons are broadened to meet the learning needs of those wanting to be challenged, those who need or want to make improvements, or for remediation. Focus areas include Standard English grammar: parts of speech, verbal skills, basic punctuation, and composition with an emphasis placed on vocabulary development. The daily lessons integrate small group instruction, educational video clips, and on-line sites. This course is for any student who wants to strengthen his or her English potential.
ENGLISH 8

Department: English
Open to: 8th grade
Period: 1, 2, or 3
Length: 5 weeks
Tuition: $495

This course is designed to prepare students for the English section of the Catholic High School Entrance Examination (HSPT). Emphasis is placed on developing verbal skills relevant to the entrance examination: vocabulary building, synonyms, antonyms, analogies, sentence completion, verbal logic, reading comprehension, grammar, spelling, basic punctuation, and composition. Diagnostic and practice tests will be given to assess understanding and progress.

ENGLISH 9

Department: English
Open to: 9th grade
Period: 1 or 2
Length: 5 weeks
Tuition: $495

This course is designed for students who need to improve their English grammar and writing skills before entering high school. Students will review vocabulary, basic grammar, basic writing skills, and paragraph unity and coherence. Students will also write short critical analyses, based on their reading of short fiction. THIS IS NOT THE SUMMER READING CLASS.

INTRODUCTION TO SPEECH AND DEBATE

Department: English
Open to: 9th-10th grades
Period: 1 or 2
Length: 5 weeks
Tuition: $495

In this class, students will be introduced to the two primary forms of debate used in interscholastic speech and debate tournaments: Lincoln-Douglas Debate and Policy Debate. The course will focus on research skills, public speaking, and rhetorical methods. Each student will participate in a number of practice debates as part of the class. This course is ideal for those wanting to compete on the Loyola Speech and Debate Team.

PUBLIC SPEAKING

Department: English
Open to: 7th-8th grades
Period: 2 or 3
Length: 5 weeks
Tuition: $495
This course introduces students to one of the most important life skills: oral communication. Activities will include: exercises in handling stage fright, vocal and kinetic exercises, and impromptu, interpretive, and original speeches.

READING COMPREHENSION STRATEGIES

**Department:** English  
**Open to:** 7th-8th grades  
**Period:** 1 or 2  
**Length:** 5 weeks  
**Tuition:** $495

This course is designed for students who need to learn reading comprehension strategies appropriate for their course work. Discover how different writing genres are presented within each content area, and understand the similarities and differences of reading a math book versus a literature book. This course will point out the cues and signals found in school texts by approaching reading from a writer's point of view.

THESE ARE THE BREAKS: DJ LESSONS THROUGH MUSIC AND LITERATURE

**Department:** English  
**Open to:** 6th-8th grades  
**Period:** 3  
**Length:** 5 weeks  
**Tuition:** $495

In the late 70's, a wizard took two turntables, a rudimentary mixer, and made continuous music which is now known as a mix. This wizard is now known as a DJ, and this class will examine The DJ through style, mixes, and the music that transcends one from being an ordinary playlist maker to a full DJ. We will use Vinyl and Digital formats to see the arch of the DJ but also to learn by doing. Yes, this will be a hands-on class—real records, real music!

WRITING ESSAYS

**Department:** English  
**Open to:** 7th-9th grades  
**Period:** 1, 2, or 3  
**Length:** 5 weeks  
**Tuition:** $495

This course is for the student who needs to learn how to communicate in writing using an academic style. The types of essays will include paraphrasing, summarizing, comparing and contrasting, interpretation of passages, and persuasion.
BEGINNING SEWING

**Department:** Fine Arts  
**Open to:** 6th-12th grades  
**Period:** 3  
**Length:** 5 weeks  
**Tuition:** $540

Beginning sewing is for students who want to be exposed to the basics of hand and machine stitching. This class will pique students' interest in basic sewing skills, designing, and creativity. Students will learn basic hand and machine stitching, create projects that practice basic sewing skills (by hand and on the machine) learn how to sew a variety of stitches used in basic sewing, and design and create their own patterns using measuring and problem-solving skills.

BLACK AND WHITE FILM PHOTOGRAPHY

**Department:** Fine Arts  
**Open to:** 6th-12th grades  
**Period:** 1 or 2  
**Length:** 5 weeks  
**Tuition:** $540

Darkroom photography is not dead! It is alive and well at LHS! Please join us this summer for an extensive overview of film processing, darkroom printmaking and proper camera use as a means for shooting and creating artistic, thought-provoking photographic images. Students will learn basic composition techniques, proper camera use (lens focal length, shutter speed, and aperture manipulation), film processing, and darkroom print processing. Through this course, students will be able to have a strong grasp on traditional film photography that will also lead into digital photography. Come join us! **Students must bring their own 35mm SLR film cameras and TMAX 400 black and white film.**

CERAMICS, MOSAICS, AND 3-D DESIGN

**Department:** Fine Arts  
**Open to:** 6th-12th grades  
**Period:** 1 or 2  
**Length:** 5 weeks  
**Tuition:** $540

Through building methods, students in this course will explore basic ways of working with clay. We will work entirely in hand-building techniques, ranging from pinch and coil to slab. The course will introduce numerous sculptural techniques, including a fantasy face, a Grecian style coil pot, and a decorated slab box or tray. Various glazing applications ranging from slip decoration to more traditional color application will be used. The final slab project will require research into their glazing design from a selection of artists. This class will teach basic ceramics skills from conception to execution to finish. Technique, form, and craftsmanship will be emphasized. Materials are included.
DESIGN AND DRAWING WORKSHOP

Department: Fine Arts  
Open to: 6th-12th grades  
Period: 1 or 2  
Length: 5 weeks  
Tuition: $540

This is a novice level course in the fundamentals of drawing and design, emphasizing line, value, texture, pattern, spatial relationships, perspective, proportion, and scale. Students’ works will include self-portraits, still lifes, landscapes, and imaginative abstractions. Students will be using pencil, charcoal, oil pastel, markers, and acrylic paint. Materials are included.

DIGITAL PHOTOGRAPHY

Department: Fine Arts  
Open to: 6th-12th grades  
Period: 3  
Length: 5 weeks  
Tuition: $540

Tired of overexposed and underexposed digital photographs? Feel like giving up on your attempts to learn Photoshop? Would you like to learn how to add more detail, contrast, and color balance to your images? Please join us this summer for a foundational overview of digital photography and Photoshop CS3 software. Students will learn basic composition techniques, proper camera use, file formats, ISO settings, and light balance. Through this course, students will be able to learn how to correct contrast, color balance, gray scale balance, abstract and manipulate images, and photo collage layering techniques. Come join us in creating artistic, thought-provoking photographic images! Students must bring their own 35mm Digital SLR cameras. Canon or Nikon preferred.

INTRODUCTION TO DESIGN

Department: Fine Arts  
Open to: 6th-12th grades  
Period: 3  
Length: 5 weeks  
Tuition: $540

This beginning course focuses on using the elements of design (line, color, shape, texture, volume, and space) to communicate both artistically and emotionally. The class intends to build fundamental visual perception through direct creative practice. It challenges the student-artist to work outside of the academic parameters of art instruction and to “play” with materials in order to achieve a richer product and more fulfilling and educational experience.
FOREIGN AND CLASSICAL LANGUAGES COURSES

BRIDGE CLASS TO SPANISH II HONORS

**Department:** Foreign and Classical Languages  
**Open to:** 10th grade  
**Period:** 3  
**Length:** 5 weeks  
**Tuition:** $495

This course is a continuation of Spanish I and will be used as a transitional course between the Spanish I course and the Spanish II Honors course. This course will stress vocabulary, sentence structure, progressive tenses, and perfect tenses learned in Spanish I Honors. The course will develop basic oral, written, and reading comprehension. Students will learn all the grammar necessary to succeed in the Spanish II Honors course. This course is recommended to all students qualified to be in the Honors Spanish II course.

INTRODUCTION TO SPANISH I

**Department:** Foreign and Classical Languages  
**Open to:** 6th-9th grades  
**Period:** 1  
**Length:** 5 weeks  
**Tuition:** $495

This course is for students who want to get a head start on learning Spanish or to review various elements of their elementary school Spanish program. This course is designed with an emphasis on the basics: pronunciation, listening, oral drills, and basic grammar with vocabulary development.

SPANISH IN REVIEW

**Department:** Foreign and Classical Languages  
**Open to:** 10th-11th grades  
**Period:** 2  
**Length:** 5 weeks  
**Tuition:** $495

This course is a review of first-year and second-year Spanish. This course is designed to emphasize the student’s pronunciation, intonation, aural-oral drills, speech patterns, basic grammar, and the extension of vocabulary.

MANDARIN IN REVIEW

**Department:** Foreign and Classical Languages  
**Open to:** 10th-11th grades  
**Period:** 1  
**Length:** 5 weeks  
**Tuition:** $495
This course is a review of first-year Mandarin. This course is designed to emphasize the student’s pronunciation, intonation, aural-oral drills, speech patterns, basic grammar, and the extension of vocabulary. Introduction of basic elements of Chinese philosophy and culture will be included.

MANDARIN II IN REVIEW

Department: Foreign and Classical Languages  
Open to: 10th-11th grades  
Period: 2  
Length: 5 weeks  
Tuition: $495  

This course is a review of second-year Mandarin. The course is designed to review and practice the student’s pronunciation, intonation, aural-oral drills, speech patterns, basic grammar, and the extension of vocabulary from Mandarin II, in preparation for Mandarin III in the fall. Introduction of elements from Chinese philosophy, history, and culture will be included.

MANDARIN III IN REVIEW

Department: Foreign and Classical Languages  
Open to: 10th-12th grades  
Period: 2  
Length: 5 weeks  
Tuition: $495  

This course provides students with an in-depth review of the third-year Mandarin course. Students with 2+ years Chinese will find this course useful for developing their speaking skills, writing, and grammar, through daily practice exercises, projects, and classroom discussion that will aid in their progress in the language. Mandarin 3 students interested in taking Mandarin 4 are strongly encouraged to take this summer school course to be fully prepared for Mandarin 4 in the fall.

GENERAL INTEREST COURSES

DRIVER’S EDUCATION

Department: General Interest  
Open to: 9th-12th grades  
Period: 1 or 2  
Length: 5 weeks  
Tuition: $495  

With a combination of in-class curriculum, home study, and virtual driving experiences, this course satisfies the 30-hour state requirement for classroom instruction in driving. Regular attendance is mandatory in order for a student to receive a certificate of completion. This course does not include behind-the-wheel instruction but does use a virtual simulator for behind-the-wheel exercises. ANY STUDENT WHO MISSES MORE THAN THREE (3) DAYS OF THE CLASS, WILL NOT RECEIVE CREDIT FOR THE CLASS.
FINANCIAL LITERACY: PERSONAL FINANCE BASICS

Department: General Interest
Open to: 7th-9th grades
Period: 3
Length: 5 weeks
Tuition: $495

“More Money, More Problems?” Not if you have an amazing financial plan in place and execute it! Introducing Financial Literacy: Personal Finance Basics, a quick and easy 5-week course designed to give students a fun and hands-on experience with money management they will remember for a lifetime! Students explore topics such as assets vs. liabilities, personal budgeting, credit, loans, taxes, retirement, insurance, buying vs. leasing, and cost of living through engaging lectures and exciting game play.

LOYOLA LEADERSHIP LAB: DISCOVER AND STRENGTHEN THE LEADER WITHIN

Department: General Interest
Open to: 9th-12th grades - Loyola Students Only
Period: 1, 2, or 4
Length: 5 weeks--Classes begin on June 19th and meets on Tuesday and Thursday only.
Tuition: $195

Each of us has the capacity to be purposeful, values-driven, and impactful leaders in our families, schools, and communities. Hands-on exercises, game play, and simulations coupled with engaging presentations, everyday leader spotlights/profiles and small group exercises/roleplaying activities will provide the foundation and springboard for each student to discover their “Leader Within” and take the first steps in “Designing Their Leadership Life and Path” through high school, college, and beyond. This fast-paced and energizing class will strengthen leadership qualities/characteristics including self-awareness, innovation/creativity, resilience, being men for others, heroism/courage, and stewardship/servant leadership. Additional focus will be placed on learning leadership skill-sets such as design-thinking/problem-solving, meeting management and facilitation, presentation techniques, team-building/team management. This course is open only to Loyola High School students.

** If you are interested in taking the Loyola Leadership Lab with the Weight Training and Conditioning, see the COMBO class in the Athletic Courses section.

ADVANCED LOYOLA LEADERSHIP LAB: DISCOVER AND STRENGTHEN THE LEADER WITHIN

Department: General Interest
Open to: 9th-12th grades - Loyola Students Only
Period: 3
Length: 5 weeks--Classes begin on June 19th and meets on Tuesday and Thursday only.
Tuition: $195

The Advanced Leadership Lab revisits and expands the leadership concepts and skills introduced in Leadership Lab with a special emphasis on presentation skills, meeting management and facilitation graphics, and situational role-playing. Class participants will be making a variety of presentations with and without
technology, facilitating discussions with their peers, and working through a number of simulated leadership situations to experiment with a variety of leadership techniques and methods. Prerequisite: All class participants must have taken Leadership Lab during Summer 2017. **This course is open only to Loyola High School students.**

**If you are interested in taking the Advanced Loyola Leadership Lab with the Weight Training and Conditioning, see the ADVANCED COMBO class in the Athletic Courses section.**

**PEAK PERFORMANCE: HIGHLY EFFECTIVE TEENS**

**Department:** General Interest  
**Open to:** 6th-12th grades  
**Period:** 2 or 3  
**Length:** 5 weeks  
**Tuition:** $495

Everyone says to be great and do great things. But how? For the most part, we are not taught specific techniques to perform at highly effective levels. This course is designed to give teens the step-by-step methods to enhance their performances in areas of self-esteem, relationship building, academics, extracurricular activities, goal setting, and more. At the conclusion of this course, the student will be fully competent in expressing his/her unique gifts and talents.

**MATHEMATICS COURSES**

**ALGEBRA I REVIEW**

**Department:** Mathematics  
**Open to:** 8th-10th grades  
**Period:** 1, 2, or 3  
**Length:** 5 weeks  
**Tuition:** $495

This course is designed for students who have completed a full-year Algebra I course and would benefit from remediation. Selected topics in elementary algebra are reviewed with emphasis on the development of skills and techniques. Topics reviewed include: solving linear equations and inequalities, graphing, factoring, and solving quadratic equations and radicals.

**ALGEBRA FOR ADVANCED PLACEMENT**

**Department:** Mathematics  
**Open to:** 9th grade  
**Period:** 1, 2, or 3  
**Length:** 5 weeks  
**Tuition:** $495
This is a five-week course for incoming Loyola High School freshmen who have been *invited* to take the course to help them supplement their previous work in Algebra I in order that they may retest and may pass the Mathematics Department Algebra I Diagnostic/Placement Exam. The topics covered during the class will be individualized according to the needs of the students enrolled. A diagnostic test will be given on the first day of class and used in conjunction with the previously taken placement exam to determine these topics. Students will be given a Mathematics Department Diagnostic/Placement Exam at the end of the course, and *those who pass the exam* will be scheduled for Geometry/Honors Geometry in August.

**ALGEBRA FOR HONORS**

*Department:* Mathematics  
*Open to:* 9th-10th grades  
*Period:* 1  
*Length:* 5 weeks  
*Tuition:* $495

This course is designed as enrichment for students who have completed a full-year Algebra I course with a grade of B+ or higher. It is a fast-paced class for those who will be taking Honors Algebra II in the future. A TI84+ Graphing Calculator is recommended. There will be a diagnostic test in this course the first day, which may result in students being moved to a different course.

**INTRODUCTION TO ALGEBRA I - PART 1**

*Department:* Mathematics  
*Open to:* 7th-9th grades  
*Period:* 1, 2, or 3  
*Length:* 5 weeks  
*Tuition:* $495

This course is designed for students who will be entering Algebra I in the fall and want to be introduced to some of the math fundamentals needed in Algebra I. Emphasis will be on evaluating expressions, solving equations and inequalities, factoring, and developing problem-solving skills. There will be a diagnostic test in this course the first day, which may result in students being moved to a different section or course.

**INTRODUCTION TO ALGEBRA I - PART 2**

*Department:* Mathematics  
*Open to:* 7th-9th grades  
*Period:* 1, 2, or 3  
*Length:* 5 weeks  
*Tuition:* $495

This course is for students who will be entering Algebra I in the fall and have had some Algebra. It is designed to further their introduction to some of the math fundamentals needed in Algebra I. Emphasis will be on solving and graphing linear equations, simplifying rational expressions, and solving quadratic equations. There will be a diagnostic test in this course the first day, which may result in students being moved to a different section or course.
INTRODUCTION TO AP CALCULUS

Department: Mathematics  
Open to: 10th-12th grades  
Period: 1  
Length: 5 weeks  
Tuition: $495

Designed for any student looking to brush up on his/her skills prior to beginning AP Calculus AB or BC in the fall, this class will review the major topics that form the foundation of those courses. Topics include linear functions, polynomials, function families, graphing functions, trigonometry, and limits. Especially recommended for any student who did not take either Honors Algebra 2 or Honors Precalculus. An AP-/College Board-approved graphing calculator is required (TI-84 Plus recommended). Students are also required to purchase access to the WebAssign homework platform. Instructions for WebAssign will be given on the first day of class.

INTRODUCTION TO GEOMETRY

Department: Mathematics  
Open to: 9th-10th grades  
Period: 1 or 2  
Length: 5 weeks  
Tuition: $495

This enrichment course is for students who will be entering Geometry in the fall and want to get a head start. This course is designed to introduce students to the basic elements of geometry, including angles, congruency, parallel and perpendicular lines, polygons, similarity, Pythagorean Theorem, perimeter, volume, and proofs.

MATH FUNDAMENTALS

Department: Mathematics  
Open to: 6th-7th grades  
Period: 1, 2, or 3  
Length: 5 weeks  
Tuition: $495

This course is designed to help improve knowledge of basic skills in arithmetic operations. Units include operations with whole numbers, fractions, decimals, and percentages. There will be a diagnostic test in this course the first day, which may result in students being moved to a different section or course.

PRE-ALGEBRA

Department: Mathematics  
Open to: 6th-8th grades  
Period: 1, 2, or 3  
Length: 5 weeks  
Tuition: $495
This course is designed to prepare the student for the math section of the Catholic High School Entrance Examination (HSPT). The emphasis will be a review of basic arithmetic operations (fractions, decimals, ratios, negative numbers) and an introduction to algebraic concepts. This course is designed to provide a foundation for students studying Algebra I in the fall. There will be a diagnostic test in this course the first day, which may result in students being moved to a different section or course.

PERFORMING ARTS COURSES

BEGINNING GUITAR

Department: Performing Arts  
Open to: 6th-12th grades  
Period: 1  
Length: 5 weeks  
Tuition: $495

This course is designed for students who are interested in learning the basics of playing the guitar. No prior experience of playing guitar is necessary. Students will be expected to practice individually approximately 30 minutes/day, 4 to 6 days/week. Subjects covered include instrumental technique, basic note and rhythmic music reading, chords, and basic guitar maintenance. The student is expected to bring an acoustic guitar to class. The class will culminate in a final performance showcasing musical pieces learned during the course. Students are welcome to perform in the concert at the end of the summer session.

MUSIC THEORY

Department: Performing Arts  
Open to: 9th-12th grades  
Period: 3  
Length: 5 weeks  
Tuition: $495

Open to any interested high school music student. Class will cover the basic elements of music theory including notes, staffs, clefs, scales, modes, key signatures, time signatures, rhythms, beaming, triad construction and identification, seventh chord identification and construction, harmonic analysis both Roman numeral and figured bass. Musicianship topics will include pitch matching, sight-singing, aural dictation for pitch, melody, rhythm, and chords. This class is intended for students who do not have any music theory experience, and it would also be appropriate for students wishing to take AP Music Theory. Loyola AP Music students who take this course will be exempt from the summer music work pack and test.

PIANO

Department: Performing Arts  
Open to: 6th-12th grades  
Period: 1  
Length: 5 weeks  
Tuition: $495
This class is for piano students who are interested in improving their musicianship. Students will receive group instruction as well as one-on-one instruction as it applies to the piano. All keyboards are provided, and students will also have access to grand pianos. The main topics include fundamentals of music theory, piano techniques, exercises and etudes, solo performance etiquette, and personal practice time. Students are welcome to perform in the concert at the end of the summer session.

SCHOOL OF ROCK

Department: Performing Arts
Open to: 6th-12th grades
Period: 3
Length: 5 weeks
Tuition: $495

This course is for student musicians who have some experience (at least 1 year) playing guitar, bass, drum set, keyboards, and singing and want to play in a rock band. The ability to read music is highly favorable. Students’ skills will be assessed at the beginning of class to make sure they are able to participate and learn. Topics include rock band performance etiquette, various beats and rhythms, music theory fundamentals, and rehearsal etiquette. Students will also explore the history of rock and perform songs from the 1960s to the present. We provide drums, amps, basses, microphones, and PA system; students will use their own guitars and patch cords and drummers bring the drumsticks of their choice. Students are expected to perform in the concert at the end of the summer session.

SONGWRITING WORKSHOP

Department: Performing Arts
Open to: 6th-12th grades
Period: 2
Length: 5 weeks
Tuition: $495

This course will explore what goes into creating a commercial (“pop”) song. We will analyze and discuss such topics as: how commercial songs are structured, types of songs, melody writing, lyric writing, combining lyrics and music, approaches to songwriting, some basic music theory, formats (lead sheets, scores, etc.), and the collaboration process. There will be four weekly assignments and one final project/song. The emphasis of this class will be on pop, rock, R&B, and country songwriting (we will not discuss or cover rap/hip-hop or beat making). Students should be able to access Web sites such as YouTube and RhymeZone.com outside of school in order to complete assignments and do research. Students will be required to sing the songs they write, and the ability to play guitar and/or piano for accompanying is helpful, but not required. Singing/performing ability will not be graded. Students are expected to perform in the concert at the end of the summer session.
JAZZ & BLUES BAND

**Department:** Performing Arts  
**Open to:** 6<sup>th</sup>-12<sup>th</sup> grades  
**Period:** 4  
**Length:** 5 weeks  
**Tuition:** $495

This course is for student musicians who are interested in learning about and performing jazz and blues music. Students are expected to have basic (at least 1 year) proficiency on their respective instrument and the ability to read music is highly favorable. Students’ skills will be assessed at the beginning of class to make sure they are able to participate and learn. Students will be required to play as an ensemble and to take solos and improvise. We provide all the backline equipment (piano, drums, amps, pa system/microphones). Guitarists and wind players are expected to bring their own instruments, patch cords, reeds, etc., and drummers should bring their own sticks and brushes. Topics include basic jazz and blues musical concepts, improvisation, various jazz styles, rehearsal and performance etiquette, and some jazz and blues history. The students will also rehearse music from repertoire selected by the instructor. Students are expected to perform in the concert at the end of the summer session.

SCIENCE COURSES

CSI: LOYOLA

**Department:** Science  
**Open to:** 6<sup>th</sup>-8<sup>th</sup> grades  
**Period:** 1, 2, or 3  
**Length:** 5 weeks  
**Tuition:** $540

Become a crime scene investigator! This course is designed to give students hands-on experience solving realistic crime scene scenarios using actual forensic techniques. Activities will include: glass fragment analysis, analyses of blood and skeletal remains, identifying trace substances, developing latent fingerprints, and identifying forgeries. The course will culminate in the creation and analysis of a simulated crime scene.

FOOD SCIENCE

**Department:** Science  
**Open to:** 6<sup>th</sup>-8<sup>th</sup> grades  
**Period:** 2  
**Length:** 5 weeks  
**Tuition:** $540

We all love good food! But do you know what really goes into making food taste great? Cooking is as much of a science as an art. In this course, the laboratory is transformed into a kitchen, as students explore the chemistry, biology, and physics concepts behind the preparation of delicious foods we all enjoy. Here is a taste of what this course will offer: What’s really in mayonnaise? Why do the world’s greatest chefs prefer copper?
Why can’t I use baking soda instead of baking powder? What do you mean the key difference between rock candy, taffy, caramel and fudge is temperature? How is salt used in making ice cream? Students will engage in exciting laboratory investigations to answer all these questions and more! Bon appétit!

GREEN ENGINEERING

Department: Science
Open to: 6th-8th grades
Period: 2
Length: 5 weeks
Tuition: $540

In this hands-on course students become engineers designing and building systems that lower the impact on the environment. Students will have an opportunity to build model homes and vehicles that all depend on energy efficiency and renewable energy sources. Students will learn about critical global environmental issues including energy use and efficiency, pollution, transportation, agriculture, land use, construction, water access and use, and ecological destruction.

LIGHTS, CAMERA, AND REACTION

Department: Science
Open to: 6th-8th grades
Period: 3
Length: 5 weeks
Tuition: $540

In this exciting hands-on course students will learn to apply fundamentals of chemistry and physics to create a spectacular sound and light show! Through fun and engaging activities, students will learn to modify sounds by changing wavelength and frequency and to create amazing effects using mirrors and lights. Students will acquire the skill and knowledge to enhance their performances with special effects such as making objects appear to float, animations, colored flames, and mini-fireworks, among many others!

PRE-AP BIOLOGY (FOR THE ADVANCED PLACEMENT BIOLOGY COURSE)

Department: Science
Open to: 9th-12th grades
Period: 2
Length: 5 weeks
Tuition: $540

This course is designed to prepare a student for the rigorous investigation and thinking involved in Advanced Placement Biology. Students will explore two of the most important themes of the AP Biology Course: the genetic basis for inheritance and evolution by natural selection. The class will focus on building a conceptual understanding rather than primarily factual recall of information. Students will work on developing skills of quantitative (computational) thinking, developing skills of laboratory investigation, and examining current developments in biological research. This class is open to all high school students who have taken at least one year of high school laboratory science.
PRE-AP CHEMISTRY (FOR THE ADVANCED PLACEMENT CHEMISTRY COURSE)

**Department:** Science  
**Open to:** 9th-12th grades  
**Period:** 1  
**Length:** 5 weeks  
**Tuition:** $540

This course is designed to prepare a student for the rigorous critical thinking and investigative skills needed for success in a yearlong Advanced Placement Chemistry course. Students will explore the important themes (Big Ideas) of the AP Chemistry curriculum and related learning objectives: structure of matter (Big Idea 1), properties of matter including characteristics, states, and forces of attraction (Big Idea 2), chemical reactions (Big Idea 3), rates of chemical reactions (Big Idea 4), thermodynamics (Big Idea 5), and equilibrium (Big Idea 6). The class will focus on building a strong conceptual understanding of fundamental concepts and problem-solving skills. In addition, students will work to develop laboratory investigation skills based on the seven science practices as addressed in the AP Chemistry curricular framework. This course will fulfill the AP Chemistry summer homework and exam requirement (to be completed by students who will take AP Chemistry at Loyola High School in the fall). The grade earned in this class will replace the grade for the Chemistry AP summer homework packet and exam.

ROBOTICS

**Department:** Science  
**Open to:** 6th-8th grades  
**Period:** 1, 2, or 3  
**Length:** 5 weeks  
**Tuition:** $540

Come discover the world of robotics! In this project-based course, students will plan, construct, and program robotic devices using the LEGO programming environment and NXT hardware. Students will use inquiry, guided research, problem solving, and teamwork as they investigate how robots make decisions to navigate through their environment. No previous experience required.

SPORTS SCIENCE

**Department:** Science  
**Open to:** 7th-8th grades  
**Period:** 1 or 2  
**Length:** 5 weeks  
**Tuition:** $540

Is it physically possible for a home run to travel 562 feet? A newspaper claims Mickey Mantle hit one in 1953! Science can shed light on this fascinating sports question and others! This class will examine sports using the scientific principles of inquiry and investigation. Sports such as baseball, basketball, and football will provide the lens for learning science. Please join us as we take a scientific journey into the science of sports!
3D PRINTING AND DESIGN

Department: Science
Open to: 8th-9th grades
Period: 3
Length: 5 weeks
Tuition: $540

This innovative course encourages students to give their imaginations a 3-dimensional shape. Exploring material science, engineering, and arts, students will learn about the process of creating an object. Material properties, structural integrity, architecture, and material design are only a few things that will be covered in this engaging class. Resource usage, sustainability and environmental consciousness find more and more importance in our daily lives. In this course, we try to gain insights in new technologies and learn about the impact of our actions on the future.

SOCIAL SCIENCE COURSES

BIG HISTORY

Department: Social Science
Open to: 6th-12th grades
Period: 1
Length: 5 weeks
Tuition: $495

Big History is an interdisciplinary class that merges science, history, and philosophy. The class has students investigate the varieties of scientific models that developed with regard to the beginnings of the universe. The students then analyze the ways that humans have interacted with each other from the earliest civilizations to modern times. The students also look at a variety of ways that humans have developed their knowledge about their universe and their various societies. The class would have students create projects about the nature of the universe, methods of knowledge, and human interactions.

HISTORY OF BASEBALL IN THE UNITED STATES

Department: Social Science
Open to: 6th-12th grades
Period: 1
Length: 5 weeks
Tuition: $495

This class will study the growth of America’s pastime as an integral part of social growth in the young, developing United States. It will cover the creation of the game itself, its expansion to become a well-known household sport, and its parallels between events of the game and major historical events that helped shape the country. The class will cover the period of time primarily from 1830-2015, as well as a brief examination of claims of its origin earlier in history. In this course, students will become familiar with the origins of the game, its growth throughout rural communities of the country, the establishment of governing bodies within the sport,
and the major players who helped shape the game. On a larger scale, students will be able to identify how baseball helped shape the United States, to interpret specific baseball events, and to relate them to the concurrent historical events. Students will think critically and will formulate logical personal conclusions as to how the sport has impacted United States society based on historical texts as well as eyewitness accounts.

**HISTORY OF FOOTBALL**

**Department:** Social Science  
**Open to:** 6<sup>th</sup>-12<sup>th</sup> grades  
**Period:** 3  
**Length:** 5 weeks  
**Tuition:** $495

American football is the spectator sport of choice by the people of this country. Trace the roots of the game. Examine the game’s brutality, corruption and exploitation of the participants. Examine the influence of Jim Thorpe, Teddy Roosevelt, Jim Brown, and many others. From William Webb Ellis to Tom Brady, revel in the glory of the spectacle and find out why football is America’s game.

**HISTORY OF SPORTS AND ATHLETICS**

**Department:** Social Science  
**Open to:** 6<sup>th</sup>-12<sup>th</sup> grades  
**Period:** 2  
**Length:** 5 weeks  
**Tuition:** $495

This class will study the history of the Olympic movement, international soccer, and American professional and collegiate sports. A specific unit will be dedicated to women’s sports. Sports organizations will also be explored: IOC, FIFA, NCAA, NBA, MLB, and NFL among others.

**HISTORY OF WORLD WAR II**

**Department:** Social Science  
**Open to:** 6<sup>th</sup>-12<sup>th</sup> grades  
**Period:** 1 or 2  
**Length:** 5 weeks  
**Tuition:** $495

This class will study the causes, the course, and the implications of World War II. It will handle most of the geographic areas involved, the major diplomatic, political and military events, and some of the key figures of the war. The class covers the time period of 1918 to 1945, with an emphasis on the years 1939-1945. In this course, students will be able to acquire a perspective on attempts to understand the human experience and the factors that shape human activity, particularly in time of war; to develop critical thinking through the study of diverse interpretations of historical events; to gain the ability to evaluate the worth of historical analogies when applied to contemporary affairs; to apply critical thinking through historical analysis of secondary sources; that is to say, sources that interpret historical events based on study of primary (e.g., eyewitness) accounts; and to illuminate larger patterns in the human past. Students will sharpen communications skills in exams, papers, and discussions.
INTRODUCTION TO ADVANCED PLACEMENT WORLD HISTORY

**Department:** Social Science  
**Open to:** 10th grade  
**Period:** 3 or 4  
**Length:** 5 weeks--Classes begin on June 19th and meet on Tuesdays and Thursdays only.  
**Tuition:** $325

This course will help students gain a head start in learning the skills needed for success in the AP World History course. This is a hybrid online/traditional class. Students will begin to develop the skills necessary to succeed in the AP environment, and ultimately on the AP Exam which is administered each May. The course will focus on learning to think critically, form original arguments, write historical essays, analyze primary source documents, and identify evidence. The purpose of the class is to provide incoming sophomores who are enrolled in APWH, help with the transition into the college level challenges of the Advanced Placement classroom and curriculum. While emphasis will be on skill development, the course will use content and resources recommended by the College Board. Classes begin on June 19th and meet on Tuesdays and Thursdays only.

THE MODERN PRESIDENCY OF THE UNITED STATES

**Department:** Social Science  
**Open to:** 8th-11th grades  
**Period:** 2  
**Length:** 5 weeks  
**Tuition:** $495

Fundamental to any understanding of modern American history and, in fact, world history in general is an understanding of American leadership at the top—the Presidency. Since at least World War II the most powerful man in the world has been the President of the United States. This course will study in some detail all fourteen Presidents since Franklin D. Roosevelt and in greater detail the Presidents who served two terms (three plus for FDR) or in Richard Nixon’s case, one and a half. One president was assassinated, one resigned in disgrace, another was impeached (not removed from office), one was a peanut farmer, another was a former actor, nine were Cold War presidents. Many had scandals that tarnished their administrations, including two with sex scandals. Although just in office for ten months, the current President has the potential to be the most consequential President in Modern American History. There will be individual and group/team projects researching and reporting on the dramatic events at the center of which was the President (FDR—Great Depression/WWII; JFK—Cuban Missile Crisis; LBJ—Vietnam War; Richard Nixon—Man on the Moon, opening to China; Jimmie Carter—Iran hostage crisis; Ronald Reagan—AIDES epidemic, computers in the home; George W. Bush—9/11/2001 Terrorist Attack, Google, Internet Growth; Barack Obama—Affordable Health Care Bill). This course should be fun and entertaining, while laying the foundation for appreciating the triumphs and failures of our country in the second half of the 20th century and early 21st century and the men, for they all have been men so far, who have guided the country on our dramatic journey through history.
LOYOLA HIGH SCHOOL SUMMER READING COURSES

SUMMER READING 9

Department: Loyola High School Summer Reading
Open to: 9th grade
Period: 0, 1, 2, or 3
Length: 5 weeks
Tuition: $495

This course is designed to meet the Loyola summer reading requirement for students entering the ninth grade next fall. It will provide the student with reading, writing, and speaking experiences comparable to those expected during his freshman year. All selections from the required summer reading list will be covered in class through writing assignments, vocabulary development, oral discussions, as well as directed analysis. Emphasis will be on critical thinking and on drawing inferences through the study of the literature. This course is open only to Loyola High School students. The grade a student earns for this summer reading course will be the grade he earns in lieu of the comprehensive exam given during the first week of the fall semester. ANY STUDENT WHO MISSES FOUR OR MORE CLASS MEETINGS WILL NOT RECEIVE CREDIT FOR THE CLASS.

Students purchase their own books.
**First book on the list is the book students read first**

Summer Reading 9 (Freshmen)
The Glass Castle by Jeannette Walls
Feed by M.T. Anderson
The Curious Incident of the Dog in the Nighttime by Mark Haddon

SUMMER READING 10

Department: Loyola High School Summer Reading
Open to: 10th grade
Period: 0, 1, 2, or 3
Length: 5 weeks
Tuition: $495

This course is designed to meet the Loyola summer reading requirement for students entering the tenth grade next fall. All selections from the required summer reading list will be covered in class through writing assignments, vocabulary development, oral discussions, and critical analysis reviews. Emphasis will be on reading comprehension using critical thinking and on drawing inferences from the texts. This course is open only to Loyola High School students. The grade a student earns for this summer reading course will be the grade he earns in lieu of the comprehensive exam given during the first week of the fall semester. ANY STUDENT WHO MISSES FOUR OR MORE CLASS MEETINGS WILL NOT RECEIVE CREDIT FOR THE CLASS.

Students purchase their own books.
**First book on the list is the book students read first**
Summer Reading 10 (Sophomores)

Narrative of the Life of Frederick Douglass by Frederick Douglass
Fahrenheit 451 by Ray Bradbury
The Absolutely True Diary of a Part-Time Indian by Sherman Alexie

SUMMER READING 11

Department: Loyola High School Summer Reading
Open to: 11th grade
Period: 1 or 2
Length: 5 weeks--Classes begin on June 18th and meet on Mondays only and a Final on Wednesday, 7/18.
Tuition: $325

This course is designed to meet the Loyola summer reading requirement for students entering the eleventh grade next fall. **This course combines six (6) on-campus class meetings with twice-weekly online meetings.** All selections from the required summer reading list will be covered through writing assignments, vocabulary development, oral discussions, and critical analysis. Emphasis will be on reading comprehension using critical thinking and on drawing inferences from the texts. The grade a student earns for this summer reading course will be the grade he earns in lieu of the comprehensive exam given during the first week of the fall semester. **Class will meet on-campus every Monday (June 18, 25, July 2, 9, 16). The final exam will be held on campus on Wednesday, July 18. IF YOU MISS ANY ONE OF THESE SIX MEETINGS, YOU WILL NOT RECEIVE CREDIT FOR THE CLASS.** In addition to these six required on-campus meetings, students will be required to participate in twice-weekly online meetings. **IF YOU FAIL TO PARTICIPATE IN ANY OF THESE ONLINE MEETINGS, YOU WILL NOT RECEIVE CREDIT FOR THE CLASS.** This course is open only to Loyola High School students.

Students purchase their own books.
Students must have their books ON THE FIRST DAY OF CLASS.
**First book on the list is the book students read first**

Summer Reading 11 (Juniors)

The Odyssey by Homer. Translated by Stanley Lombardo ISBN 978-0872204843
Brave New World by Aldous Huxley

SUMMER READING 12

Department: Loyola High School Summer Reading
Open to: 12th grade
Period: 1 or 2
Length: 5 weeks--Classes begin on June 18th and meet on Mondays only and a Final on Wednesday, 7/18.
Tuition: $325

This course is designed to meet the Loyola summer reading requirement for students entering the twelfth grade next fall. **This course combines six (6) on-campus class meetings with twice-weekly online meetings.** All selections from the required summer reading list will be covered through writing assignments, vocabulary development, oral discussions, and critical analysis. Emphasis will be on reading comprehension using critical thinking and on drawing inferences from the texts. The grade a student earns for this summer reading course will be the grade he earns in lieu of the comprehensive exam given during the first week of the fall
Class will meet on-campus every Monday (June 18, 25, July 2, 9, 16). The final exam will be held on campus on Wednesday, July 18. **IF YOU MISS ANY ONE OF THESE SIX MEETINGS, YOU WILL NOT RECEIVE CREDIT FOR THE CLASS.** In addition to these six required on-campus meetings, students will be required to participate in twice-weekly online meetings. **IF YOU FAIL TO PARTICIPATE IN ANY OF THESE ONLINE MEETINGS, YOU WILL NOT RECEIVE CREDIT FOR THE CLASS.** This course is open only to Loyola High School students.

**Students purchase their own books.**

**Students must have their books ON THE FIRST DAY OF CLASS.**

**First book on the list is the book students read first**

*Summer Reading 12 (Seniors)*

*No Country for Old Men* by Cormac McCarthy

*Into the Wild* by Jon Krakauer

**STUDY SKILLS COURSES**

**STUDY SKILLS WORKSHOP I**

**Department:** Study Skills  
**Open to:** 6th - 7th grades  
**Period:** 1, 2, or 3  
**Length:** 5 weeks  
**Tuition:** $495

This course is designed for students not yet in high school who want to improve their study skills. Time management, note taking, and techniques for improving reading, listening, memory, and test-taking strategies are some of the areas covered. *The course also teaches best practices of technology to enhance learning. This includes basics of word processing, computer-assisted presentations (PowerPoint, Keynote and Prezi), Internet research, Google Docs, Email, Google Earth, and much more.* The course attempts to put theory into application by fusing the principles of effective studying with the teaching of course content.

**STUDY SKILLS WORKSHOP II**

**Department:** Study Skills  
**Open to:** 8th - 9th grades  
**Period:** 1 or 2  
**Length:** 5 weeks  
**Tuition:** $495

This course is designed for students ready to enter high school who need to further develop study skills essential to their academic success in high school. Developing a winning attitude for learning as well as strengthening such skills in listening, note taking, memory techniques, organization, time management, and test-taking strategies are covered. *The course also teaches best practices of technology to enhance learning. This includes basics of word processing, computer-assisted presentations (PowerPoint, Keynote and Prezi), Internet research, Google Docs, Email, Google Earth, and much more.*
TECHNOLOGY COURSES

DIGITAL MUSIC PRODUCTION II

Department: Technology
Open to: 6th-12th grades
Period: 1
Length: 5 weeks
Tuition: $495

This class is for students who are already familiar with music production (e.g.—Ableton, Logic, FL Studio, Mashine, Studio 1, Pro Tools, etc.) or have taken the Introduction to Digital Music Production class. This serves as a sequel to Introduction to Digital Music Production, but will delve deeper into topics such as sound design, mixing, collaboration, automation, and creative uses of effects plug-ins. Note: This should not be your first experience with music production programs.

INTRODUCTION TO COMPUTER PROGRAMMING

Department: Technology
Open to: 7th-8th grades
Period: 1, 2, or 3
Length: 5 weeks
Tuition: $540

Students are introduced to programming fundamentals as they build a total of four arcade-inspired games from start to finish. The Adventure Game features a knight who has to defeat enemies to reach treasure. Students program arrow keys, fluid motion, hero and enemy behavior, and winning conditions. In Dragon Attack, they define multiple levels and lives, and program a boss enemy, while learning about variables and cloning. In Gravity Sling, a game inspired by Angry Birds™, students will be introduced to the physics library as they define the behaviors of different kinds of projectiles and use physics commands such as impulse, gravity, and collisions to build the game. The final game, Ninja Runner, is an advanced physics platformer game with a boss fight sequence that challenges them to apply all the concepts and skills they have learned.

INTRODUCTION TO DIGITAL MUSIC PRODUCTION

Department: Technology
Open to: 6th-12th grades
Period: 2
Length: 5 weeks
Tuition: $495

Introduction to Digital Music Production is an overview of the technology used to produce and improve audio recordings. A special emphasis is placed on working with audio using computer-based audio applications.
INTRODUCTION TO TOUCH TYPING

Department: Technology
Open to: 6th-9th grades
Period: 1, 2, or 3
Length: 5 weeks
Tuition: $495

This course is designed to introduce the students to touch typing. It will help the students with various skill levels learn basic touch typing skills. This course is designed to help students develop typing skills at their own paces in a classroom setting. Minimal to moderate amounts of homework are given. This course is for CREDIT/NO CREDIT.

MULTIMEDIA BROADCASTING

Department: Technology
Open to: 6th-8th grades
Period: 1 or 2
Length: 5 weeks
Tuition: $540

In this class, students will learn about videography and multimedia journalism – the new ways that journalists are telling stories in the twenty-first century. From interviewing techniques to editing and constructing stories, students will experience what it takes to produce and create quality video and audio broadcasting segments.

SAVE THE DATE!
SUMMER SESSION 2019
JUNE 17th - JULY 19th