



AFTERNOON CLUBS 2021-2022

Forensics

Faculty Advisor: Ms. C. Chryssaki, Ms. E. Karava, Ms. N. Sarantopoulou, Day and time: Saturday 12:00-18:00

Debate 12:00 – 16:30, Oral Interpretation & Duet Acting 12:00 – 6:00 (a 30-minute session will be arranged with the Faculty Advisor)

The students who will choose to participate in the Forensics Club on Saturday will learn how to skillfully communicate orally in the English language, through their participation in the Forensics events and they will have the opportunity to take part in the Panhellenic Forensics Tournament, in which Pierce students have won numerous awards and achieved honorable mentions.

The Forensics events are the following: Debate, Duet Acting and Oral Interpretation of Literature. Note: This club is addressed to B Gymnasium or higher, as A Gymnasium students can participate in the Junior Forensics morning club.

Orchestra

**Faculty Advisor: Mr. Hatzinakis
Day and time: Wednesday 15:30-17:00**

The aim of the Orchestra is the development of the students' musical skills as well as the externalization of their emotions. During the rehearsals, the students learn how to collaborate, to improvise, to create and play musical pieces of a particularly wide-ranging repertoire, and sometimes musical compositions that have been created specifically for the Orchestra. The students who are in the Orchestra, participate in the musical events in and out of the school, on their own or in collaboration with the Choir.

Choir

**Faculty Advisor: Ms. T. Panagopoulou
Day and time: Wednesday 15:30-17:00**

The Choir cultivates in children the joy of group singing and has as its aim to develop their vocal skills whilst instilling in them the principles of teamwork and collaboration. The members of the Choir express themselves artistically through songs from both the Greek and foreign repertoire. In its long history spanning over 85 years, the Choir has taken part in concerts and programs in and out of school, often in collaboration with the Orchestra.

Greek Drama Club (GDC)

Faculty Advisor: Ms. M. Saliari

Days and time: Wednesday & Friday 15:30-17:00

The aim of this club is the preparation and staging of a theatrical performance, with a different theme each year. Children become familiar with multiple roles during this process, such as that of the actor, director, choreographer, light technician, costume designer, set designer, stage director, organizer, and producer of the play.

The members of GDC develop their skills, take initiative, develop their self-confidence, share the important experience of exposing themselves in front of an audience through a complete performance and primarily enhance their knowledge around the theater whilst increasing their cultural awareness.

Greek Rhetoric Club

Faculty Advisors: Mr. P. Vasilopoulos, Mr. P. Polydoropoulos

Day and time: Saturday 12:00-14:00

With the term Rhetoric, within the framework of the Forensic events, we refer to the skillfull oral communication, within the framework of prepared speeches and in situations in which spontaneous and improvisational production of speech is required.

The Rhetorical skill, which is cultivated through regular practice in the forensics events (Oral Interpretation of Literature, Impromptu Speeches, Group Discussion, Persuasive Speaking, Debate) is absolutely necessary for the development of self-confidence in public speaking, critical thinking, well supported arguments as well as the group collaboration.

More specifically, Debate particularly cultivates research skills, not only regarding current affairs but also on timeless issues and contributes to character-building of the participants, broadening their horizons.

Art Days

Faculty Advisor: Mr. Tsatalis

Day and time: Thursday 15:30-17:00

In spring 2014, Pierce in collaboration with other schools, both public and private, initiated a cultural festival called "Art Days". This festival was established and has become an annual event.

The "Art Days" students will prepare a play for the festival, based on a contemporary script with modern and innovative directing. The music, the costumes, the scenery and everything that is needed for the production will be a creation of the club members. The Art Days Club will also strive for the students to attend theatrical performances and visit venues of cultural events.

With these cultural activities, we aim to initiate our youth to the secrets of Art and the value of participation and collaboration as well as their

sensitization to social issues, continuing our school's long tradition of serving art and the psychological and spiritual cultivation of our students.

Entrepreneurship Club – Junior Achievement. (Lyceum and C Gymnasium)

Faculty Advisor: Mr. Minas(C Gymnasium), Mr. Sfyris (Lyceum, IB)

Day and time: Thursday 15:30 – 17:00 (C Gymnasium)

Wednesday 15:30 – 17:00 (Lyceum, IB)

The Entrepreneurial Junior Achievement Club aims to promote the entrepreneurial spirit and the entrepreneurial culture among the Pierce - American College of Greece Lyceum students. This club operates within the framework of the organization Junior Achievement Greece – Partnership for Entrepreneurial Youth, with the approval of the Ministry of Education.

This Club allows students to establish and run a student virtual business, following the prototype of operation of a Public Limited Company. Within the framework of this Club, the students prepare and submit their own entrepreneurial plan with the aim to implement all the operational levels of a contemporary business (product design, promotion, sales).

The active and vigorous participation in the virtual business contributes to the development of vital social, administrative, organizational, communication and interpersonal skills on the part of the students. Participation in this Club is an essential part of the Curriculum Vitae of each student and is an invaluable resource which can compel them to further explore academic and professional aspirations. The students have the opportunity to discover and cultivate their inclinations, talents, and interests, to associate theory with actual practice, and to come in contact with the real functions and challenges of a contemporary business. This Club entails participation in both Greek and Pan European competitions.

Competitive Educational Robotics Club

Faculty Advisors: Mr. F. Katsochristos, Mr. S. Katsoulis (B Gymnasium – C Lyceum – IB)

Day and time: Monday 15:30 – 17:00

In the Robotics Club, the students, utilizing the equipment of the computer labs of our School, learn how to create and program a robot. Educational Robotics is an activity, which through envisioning technological innovation helps students discover talents and skills, to engage in group-work and to familiarize themselves with technology, automation and robotics.

The final aim of this Club is the preparation of the students for their participation in the Panhellenic Robotics Olympiad (<http://wrohellas.gr/>) which takes place annually with the participation of schools from all over Greece. The winners of the competition per category (Elementary, Gymnasium, Lyceum, Open) represent our country in the Robotics Olympiad, (<http://www.wroboto.org/>). Within the framework of the Club,

students are separated in groups of 2-3 individuals. Each team is expected to construct a robot, using a plethora of different materials and software robotics systems / automatic control, (Lego Mindstorms EV3, Arduino, raspberry pi, microbit, Makeblock). Then, they program the robot, so that the required actions or challenges are completed. The equipment required is provided by the College.

Diamond Challenge Club

Faculty Advisor: Mr. M. Theodosopoulos

Day and time: Thursday 15:30-17:00

This is an entrepreneurial competition for Lyceum students from all over the world, which is materialized under the auspice of the University of Delaware Horn Entrepreneurship and it offers the students the unique opportunity to delve deeper into the business culture, materializing their ideas.

Our School is going to host the Final of the Greek competition (Diamond Challenge Pitch Host) for public and private schools from all over the country. The students will form groups of 2-4 individuals and will submit their ideas in the field of Social Innovation. The distinguished teams that come in first place from each country will take part in the Final (Diamond Challenge Summit), at the University of Delaware, in April 2022.

Click on the following link for further information:

<https://diamondchallenge.org/>

Growth Mindset

Faculty Advisor: Mr. Panos Andrikopoulos (B & C Gymnasium)

Day and time: Wednesday 15:30-17:00

The afternoon Growth Mindset Club operates within the framework of the global educational program "Entrepreneurship for Kids" which lasts for 8 months and aims to introduce teenagers to the basic principles of entrepreneurship. Through riddles, games, imagination and mystery, students develop a way of thinking that is necessary in their professional career.

The activities are structured in such a way to lead to the materialization of an idea that simulates the operation of start up businesses. The aim is for students to create their own end product and to develop the motivation for the development of a "Growth Mindset" where ingenuity equals an ongoing process of constant effort and improvement through their contact with the basic pillars of entrepreneurship and the soft skills that are required in the modern business world.

The philosophy of "Growth Mindset" is not only an effective educational approach, but also a philosophy of life that compels us to work hard to achieve our goals because that is the only path that leads to knowledge.

The Club will accept 10 B and C Gymnasium students. In case there is greater interest in participation, priority order will be adhered to according

to the time the application was submitted. Περισσότερες πληροφορίες στο σύνδεσμο: <https://www.growthmindset.gr/>

Photography: I Write with Light

Faculty Advisor: Ms. Vasdeki (Gymnasium – Lyceum – IB)

Day and time: Tuesday 15:30 – 17:00

Photographic images are everywhere around us, on a daily basis. We are living in the age of images, with hundreds of different images unfolding in front of our eyes. Most of us may even take a snap shot with our mobile phone. Photography conceals an amazing world which is unknown to many people today.

Pressing the click button on our mobile phones or our cameras entails an enchanting element. At any given moment, we can all “capture” a moment we like, we are touched or moved by... It is worth learning how to capture what we want, in a better, more artistic, more personal, more authentic way and to get away from the ordinary.

English Drama Club (EDC)

**Faculty Advisor: Ms. V. Alexopoulou & C. Babouris-Smith
(Gymnasium – Lyceum – IB)**

Day and time: Tuesday 15:30 – 17:00

The aim of the English Drama Club is to instill in students the power and joy that the theater offers. Through performances of classic and contemporary works, and/or works that are written by or adapted and suggested by the students themselves, they learn the basic elements of a complete theatrical production, whilst improving their English language skills and boosting their self-confidence. Through the theater, students obtain self-discipline, cultivate their creativity and imagination and are taught the value of teamwork in achieving a common goal. Finally, the participation in the group, enhances the sense of belonging within the School community.

The English Drama Club is distinguished for its social activism. All the proceeds from the performances will be donated to charity.

The participation in international school theatrical competitions and Festivals is within the imminent plans of the English Drama Club. For this reason, the members of the Club are selected following auditions at the beginning of the academic year.

Racecar (MIT – Learning Initiative)

Faculty Advisor: Mr. Fotis Katsochristos

Day and time: Wednesday 15:30-17:00

Aiming at the promotion of research and innovation, Pierce - The American College of Greece strives to ensure internationally acclaimed programs that offer its students the opportunity to develop their particular capabilities and cultivate their creativity.

Within this framework, Pierce – The American College of Greece is the first school in Europe that is going to implement the pilot Middle School program RACECAR, which has been designed by the Beaver Works Summer Institute of MIT, with the support of the non-profit organization “Learning Initiative”.

The aim of this pilot program is to enhance the knowledge and abilities of the students in the area of programming, robotics and technology, combining theory and practice.

16 Gymnasium students selected based on academic criteria will separate into 4-member teams (4 A Gymnasium, 4 B Gymnasium and 8 C Gymnasium students). In order to participate in this program, they will receive the necessary guidelines in the following areas:

1. Programming (Python)
2. Artificial Vision (OpenCV)
3. Robotics (Robot Operation System – ROS) and Control Theory.

Parallel to the theoretical approach of each area, each team is going to assemble its own car, and with the assistance of the appropriate software and the respective algorithms, each team is going to incorporate in it the required sensors and codes, in order to ultimately create an autonomous car!

At the end of the Academic year, the four teams will have the chance to take part in a Grand Prix competition, in which every team will compete with its code and its algorithms. In the competition, the car that will manage to cover a specific distance in the fastest manner will win.

STEAM@FabLab

Faculty Advisor: Ms. L. Stathopoulou (C Gymnasium – Lyceum – IB) Day and time: Thursday 15:30 – 17:00

This Club aims to connect Digital Fabrication with Science, Technology, Engineering, Art and Mathematics (STEAM). Through collaborative projects and a process that is based on Design Thinking, the students will have the opportunity to experiment with new technologies CAD/CAM (Computer Aided Design/ Computer Aided Manufacturing) and to combine them with creative electronics, tinkering constructions etc. in order to collaboratively provide solutions to real-life problems. They will be using state-of-the-art equipment (such as FDM and SLA 3D Printers, Laser Cutter, CNC Mill, etc.) and fueled by curiosity, they will go on a journey of creativity and construction!

The aim of the Club is for students to get to know the design thinking process, an anthropocentric, interdisciplinary approach to solving problems and to utilize the new technologies of fast standardization for the development and materialization of their ideas. They will learn the basic principles of digital design and they will come in contact with the different materials and equipment for digital manufacturing of the Fab Lab (Fabrication Laboratory).

Aerodynamics and Flight Mechanics

Faculty Advisors: Mr. A. Triantafyllou, Mr. F. Kampiotis, Mr. T. I. Lekas, Mr. A. Simonidis (C Gymnasium and A Lyceum)
Day and time: Wednesday 15:30 – 17:00.

In the Aerodynamic and Flight Mechanics, the students will become familiar with the general principles of Aerodynamics and Mechanical Flight, in a pleasant and interactive way, based on the STEM principles (Science, Technology, Engineering and Mathematics).

The students will combine the basic theory and the practical application, with the aim to become familiar with the aerodynamic design and the understanding of flight. The required calculations will be made with the use of specialized commercial software, through which the outcomes of complex aerodynamic calculations will be exported with speed and accuracy.

The practical part concerns constructions ranging from simple paper models of diverse type and form, to more specialized projects of design and construction of model aircraft, with or without an engine. This process will contribute to a better understanding of the impact of special aircraft features (wingspan, wing shape, wing angles, wing load etc.) on flight. The whole process will also include participation in team competitions for the nomination of the most efficient design, based on certain criteria.

In the afternoon club Aerodynamics and Flight Mechanics, 8 students of C Gymnasium and 8 students of A Lyceum will participate. The students will be separated into four 4-member teams. In the case that the interest on the part of the students exceeds the available positions the selection of students will be made according to the following procedure:

The students will be selected according to their grades in the following subjects and their ranking, once the average grades in the academic year 2020-2021 have been calculated.

- Physics
- Mathematics
- Information Technology
- English

In the case of a tie, the Grade Point Average (GPA) of the previous year and diagnostic tests in which students who have equal points, will be called upon to solve problems of logic and to explain aerodynamic issues.

Cyber Security Laboratory

Faculty Advisor: Mr. Konstantinos Vavousis (All Lyceum, IB1, IB2)
Day and time: Monday 15:30-17:00

The Cyber Security Laboratory is a club which aims to implement activities that are related to cyber security. The participants will have the opportunity to obtain valuable experience that will be useful not only in their daily life, but also in their career orientation. They will enhance their knowledge in

the field of safety in cyberspace and the security of the information, through practical applications, experience and interactivity, working on real life scenarios. The participants do not need to possess any prior specialized knowledge.

In addition, the students will have the opportunity to participate in global competitions of ethical hacking, known as Capture the Flag (CTF). The specific competitions offer practical experience in dealing with contemporary threats in the cyberspace and give the opportunity to the participants to interact, setting common goals. Further information regarding these competitions can be found at CTF Time (<https://ctftime.org/>). The areas that will be covered by the Cyber Security Laboratory are mentioned below.

- Ethical Hacking
- Phishing Principles
- Operating System Distributions for Security Researchers
- Programming
- Computer Networks
- Online competitions Capture the Flag (CTF) – Capture the Flag Fundamentals
- Online Cybersecurity Challenges
- Block chain
- Attack – Defense Scenarios
- Cryptography
- Computer Forensics
- Hardware Challenges
- Open Source Intelligence
- Reverse Engineering
- Steganography
- Wireless Security
- Web Security
- Mobile Device Security

The basic principle of the Cyber Security Laboratory is to implement contemporary practices online, in which the participants will have the opportunity to work both independently and in teams, selecting the categories that interest them from the above areas.

Jewish Language and History Studies

(This program is available to students who have completed the basic 6-year cycle of Jewish Language and History Studies)

Faculty Advisors: Rabbi E. Shabo, Ms. Shalom, Ms. R. Sasson, κα. Shira Moyal.

Day and time: Monday & Wednesday 15:30 - 17:00 (A, C Gymnasium & B Lyceum)

Tuesday & Thursday 15:30 - 17:00 (B Gymnasium & A Lyceum)

The Jewish Language and History Studies, as part of the afternoon program of Pierce, was developed in collaboration with the Ronald S. Lauder

Foundation and the Jewish Community of Athens. Basic aim of the program is to familiarize the participating students with the values of the local Jewish community, with the Jewish tradition and the Jewish culture. It aims at the continuation of the Jewish Language and History Studies and is addressed to graduates of the Lauder School of the Jewish Community of Athens.

This program promotes the knowledge of students based on two basic educational pillars: Jewish history – traditions – culture and the Jewish Language. More specifically, the students are taught the history of the Jews in Athens and Greece, the different periods of the global Jewish history, the Jewish holidays and the Jewish language which is the common language that is used among Jews worldwide. Students delve deeper into interesting ancient texts, they are taught the history of the Jewish communities of Greece and those abroad and they learn about the history and civilization of Israel.

This program combines both formal and informal educational methods and includes, apart from everything else, educational field trips to different Jewish communities, both in Greece and abroad. The weekly lessons aim to improve and develop the students' language skills, in terms of formulating and expressing views on ethical issues of the Jewish religion, the development of their critical thinking and the collaboration with their peers. Lastly, the students of this program actively take part in events which are organized in collaboration with the Jewish Community of Athens.

Folk Dances

Faculty Advisor: Ms. Aikaterini Tsioufi

Day and time: Friday 15:30-17:00

The students are taught local folk dances and represent the College in cultural activities and Dance festivals.