

Subject programs - general culture

Albanian Language 10,11,12,13:

Albanian language 10

The basic goals of teaching in the tenth grade are: acquisition of knowledge, language formation, cultural formation, formation as an individual and as a citizen. As goals directly related to high school, we would single out mastery of the mother tongue and assimilation of culture. Aims to realize the competencies related to reading of different texts, speaking to communicate and learning, writing for personal and functional purposes, listening that is realized through the practical and theoretical acquisition of subject knowledge. The aim of this course is conceptual integration of knowledge intertwined with other subjects such as history, art and politics. It favors the formation of students as individuals through their training in the use of the mother tongue, through the opportunities it gives students to increasingly structure their thoughts, judgments, and imagination. As a result of the work done on this level of education, students manage to organize their thoughts and make oral and written presentations that address the problems addressed from several perspectives. Through the knowledge it provides to students from heritage national and world cultural and through the analysis of relevant ideas and arguments it contributes to their formation as citizens.

Albanian language 11

The Albanian language course for the 11th grade aims to convey through the variety of textbooks, the reflection of the world where we live, to form students who possess the key competencies defined in the curricular framework: the competence of expressing and communicating, thinking, listening, writing, mastering grammatical rules, spelling and punctuation. This course integrates cross-curricular topics such as: national identity and recognition of cultures, human rights, moral decision-making and peaceful coexistence by bringing illustrative texts relevant. It is directly intertwined with other fields and subjects such as: literature, history, geography, physics, biology, arts, ICT etc. Aims to deepen and systematize the knowledge acquired in previous classes.

Albanian language 12

The basic requirements for this class are related to further cultural, literary and linguistic formation, with the acquisition of knowledge and the formation of personality, including the culture of behavior and communication. In this class must be mastered the grammatical knowledge acquired in the previous classes, of morphosyntactic and orthographic weaknesses, which hinder the correct use of language, details and more general and complex structures, starting from the sentence to the text. They need to be recognized and strengthen the links between grammar, text analysis, oral practice and written work. different types; to strengthen the knowledge of the basic units of language and their connections, from phonemes to words, from word to sentence, from simple sentence to compound sentence - unlike what they developed in lower secondary school. Also, the work with spelling should be developed. All these will directly affect the formation genuine cultural, literary and linguistic of the student. Increasing the degree of mastery of the mother tongue and literary formation of the student's culture are among the basic goals

for this class. This is expected to be accomplished through the skills of communication, reading, analysis and evaluation of different types of texts, literary and non-literary.

Literature 10,11,12

Literature 10

This course is designed in accordance with the relevant curriculum for the study of literature in grade 10. Here summarize and systematize the knowledge from the Theory of Literature, which the student has studied separately practical up to grade 9. At this level the student studies developments in Albanian and world literature, periods of literary variety according to chronological criteria and the development of literary forms. During the subject study was held considering that the literature program goes parallel to that of the Albanian language subject. Literary texts are integrated and complemented by other texts and other arts such as music, painting, sculpture, film, photography, etc. Diverse requirements didactic aim to realize all the competencies required in the course program. It is a continuation of knowledge taken in the 9-year cycle. This baggage of knowledge is systematized and raised to the highest scientific level. With this processed didactic information aim to form in the student aesthetic, spiritual values of world culture and especially the values of our national culture.

Literature 11

Development of this course on the basis of the Literature program 11. The aim of education for the cultivation of national identity and personal is an integral part of this course. "Literature 11" realizes the acquisition of complete knowledge, the acquisition of skills, attitudes and values for the learner. Rely on the knowledge of previous classes. Based on specifics of the program, enables the mastery of the basic competencies of analysis and evaluation as well as the development of further civic, digital, personal, thinking, learning, communication competencies etc. The study of the subject develops the skills of analytical and evaluative thinking, leaving room for thinking independent and creative student. Relation to other subjects and cross-curricular topics aims to realize the recognition of new cultures, to cultivate coexistence by giving due importance to human rights. Literature 11 is designed with the aim that, at its conclusion, the student will feel the true mission of literature and school.

Literature 12

The development of this course is based on the key competencies defined in the curricular framework and enables realization of two subject competencies: analysis and interpretation of texts of different genders and types literary; evaluation of Albanian and world literature in different literary and historical periods. These competencies which are defined as knowledge, skills, values and attitudes that the student should acquire during the learning process, enable the creation of a positive and stable relationship between students and the subject of literature, influence aesthetic, literary formation, in emotional, intellectual and social development, in the increase of creative skills and in enriching their expressive skills. Integrates as a subject with fields, arts and other cross-curricular topics through situations, discussions, essays, etc. This course offers engaging, interactive, creative content that aim at the scientific and intellectual development of students, the development of critical thinking, linguistic, moral development, aesthetic, philosophical, sociological and beyond.

Albanian language and literature 13

The subject of Albanian Language and Literature is built considering the objectives and academic expectations of students, but also to help them have an accurate, correct and appropriate written communication and oral. Texts from Albanian and world literature and academic texts are used to realize the topics. The student's independent work and the cultivation of critical thinking take place, in accordance with the relevant standards for this class. The basic requirements for this class are related to the cultural, literary and linguistic formation, the acquisition of knowledge and with the formation of personality, including the culture of behavior and communication. Expanded to reinforce the knowledge gained in previous classes, to recognize and strengthen the links between grammar, text analysis, oral practices and written works. At the same time, it will find a place also the application of knowledge acquired from literature, culture and language, through various forms of creativity; of essays, various school works, etc. This will help to structure the thoughts, judgments and students' imagination, to be able to deal orally and in writing with various problems from different cultural, literary, linguistic and critical perspectives. Increasing the degree of mastery of the mother tongue and the literary and cultural education of the student are among the basic goals for this class. This is expected to happen through communication skills, reading, analysis and evaluation of different types of texts, literary and non-literary.

English 10, 11, 12, 13

English 10

The method used is "Pioneer" - publication of the MM Publications group, at the A2 Pre-Intermediate level according to the Framework Common European Framework of Reference for Languages, otherwise known as CEFR. This level aims to consolidate knowledge taken in 9-year school by placing the student on a new platform and perspective for engagement his whole in the intellectual and emotional plane to put him at the service of his ambitions in appropriation of this language as well as in function of knowledge in other subjects taught in this school. The student consolidates in this stage reflects the language reflexes in basic reading, writing, listening and speaking skills.

English 11

The method is "Pioneer" - publication of the group MM Publications, at level B1 Intermediate according to the Common Framework European Language Reference, otherwise known as CEFR. The work is conceived as a continuation of the initiated practice in the previous year. This course aims at a natural balance and involvement in learning a new language over an analytical perspective where the learner is encouraged to notice more complex aspects of language. The student at this stage understands a complex text clearly, communicates on it and also knows how to construct a text on a spectrum of certain problems. He becomes a good listener and at the end of the school year is ready to cope standard level B-2 requirements of CEFR (Common European Frame of References).

English 12

This group of students in this academic year (2018-2019) is the concluding group of the full cycle of the method "New Inside Out" New edition. The focus is on working with the Advanced level of this cycle. The student here reviews in order harmonious and practical all the elements of the language complex and is

ready to create and interpret concepts from a formal point of view. The student already feels the satisfaction of the whole work done by massaging more work individual and language consultations whether inside or outside the classroom in open club meetings of English. The student is already ready to face the basic requirements in the TOEFL or IELTS exams for continued further studies at universities abroad.

English 13

The curricular specifics of our school create and give the opportunity for more advanced language development in terms of written and oral public communication. The student is perfected in letter correspondence techniques format, it introduces and develops the basics of writing techniques by consolidating elements such as article writing, reports, essays of various kinds and is trained to cope with the best levels of public speaking before wide audiences. The standard of work in this area is that set by the British Council. At the end of this cycle, the student meets at a high level the university requirements on English language proficiency at home and abroad and its formal communication techniques.

History 11.12

History 11

History 11 aims at the special analysis and clearly defines the main events of world history from Antiquity, The Middle Ages, the European Renaissance to the present day. This program explains with facts all the changes they have occurred in the political, socio-economic field or in other fields in different historical periods, in different regions and countries, as well as identifying specific features of world historical developments. In this case, the program has included events that have occurred in parallel in Albania.

History 12

History 12 aims to give a complete picture of the national history of Albanians in their ethnic lands in the diaspora for all periods from antiquity (Antiquity) to our days integrated with world history. Content includes knowledge from the Illyrian world, the first Kingdoms as well as the first Illyrian States and data on the Illyrian population; Albanians during the period of the Byzantine Empire; The Age of the Middle Ages clearly embodied by the Age of Skanderbeg; Period of Ottoman occupation; National Renaissance; Period of Independence, World War 1 and 2 and data on the history of Albanians abroad and Albanian territories from antiquity to the present day (2010)

Citizen I / Philosophy II / Sociology 11,12

The vision of this book leads us to address another aspect of teaching: The dimension staging of the dimension of citizenship, through new initiatives that manifest the presence of some awareness raising. In other words: reliance on the idea that the essence of citizenship lies in the critical spirit. But to criticize without recognition you have done nothing because there is nothing to criticize. So first we need to know, and then we need to understand that students need to learn how to discuss with each other, listen to each other, analyze and criticize their own ideas and those of those around them. Philosophy is often seen and treated as something difficult, futile, tedious, and useless. This text is intended to show students that none of these prejudices fit philosophy. He should read it with pleasure, (to and the texts are short) to understand without difficulty (hence the language is simply) to evaluate it as an expression of freedom of

thought (hence the argument to debate) Today philosophy and philosophically thinking are considered important elements of building bridges between people, between different civilizations and cultures. The heart of the mission of this strategy is "Philosophy as a school of freedom"! Why is it called such? Because philosophical thinking develops people's intellectual abilities to analyze situations, to understand key concepts such as justice, dignity and freedom. Philosophy contributes to a new way of thinking which "pushes", "removes" prejudices both social and religious thus contributing in social and world peace. Encouraging debate and accepting the argument ensures tolerance and understanding so necessary for the time in which we live.

Geography 11

Geography 11 or otherwise Regional Geography aims at recognizing the natural and human complexity of regions and different subregions of the world. Regional Geography develops the ability to find and maintain solutions attitudes on processes, phenomena, patterns and relationships between them, also anticipates challenges and regional interdependencies. The geography of Albania aims to study nature, population and economy of Albanian territories, the mutual connection between nature and the development of the spatial organization of the activity vital and productive society as well as the comprehensive study of the Albanian geographical regions.

Earth Science 10

Earth science aims at knowing and understanding the structure of the Earth, its dynamics and geophysical systems, the relationships between systems, the relationships of the Earth with the rest of the universe as well as the interaction with human activity. Earth Science 10 develops explanations of the basic phenomena of physical geography and geology, including Earth history, plate tectonics, evolution of earth shapes, geological data of the Earth, weather and climate, as well as a basis of astronomical knowledge in function of understanding the dynamics of the Earth.

Mathematics and Advanced Mathematics

Mathematics 10

In the first-year students will receive knowledge about the following topics: Numerical operations, Ratio and Proportions, Measurements and measurement accuracy, Angles and polygons, Geometry in plan, Circle and geometric places, Algebraic expressions, Formulas and Functions, Equations and Inequalities, Data Processing and Probability.

Mathematics 11

In the second year students will receive knowledge about the following topics: Factors, powers and roots, Numerical operations, Proportions, Trigonometry and vectors, Units, Geometry in space, Pythagorean theorem, Graphs (equation of a line, angular coefficient, linear functions, function of second power, properties of the second power function, distance-time motion graphs, third power functions and oblique proportional function, exponential functions and trigonometric functions, graphs from life real, angular coefficient, surfaces bounded by graphics, circle equation), Arrays, Rates of change, Data processing, Probability of combined events.

Mathematics 12

In the third-year students will gain knowledge about the following topics: Powers and Roots, Logarithms, Trigonometry (sine, cosine and tangent, sine and cosine theorems in Advance: radian, functions of other trigonometric and inverse functions of trigonometric functions, trigonometric formulas of sum and angle difference), Vectors (definitions and properties, vector coordinates, in Advance: Vectors in space, numerical production of vectors), Algebra (argumentation and proof, quadratic function, systems of equations, lines and circles, inequations, in Advance: functions, parametric equations, fractions algebraic, decomposition of algebraic fractions into elementary fractions approximation of lines, strings, arithmetic progressions, geometric progressions), Polynomials and binomial theorems, Derivation and integration (definition of derivative, derivative $y =$ Leibniz symbolic agenda, speed of change, tangent and perpendicular, extremes, integration, surface below a line, in Advance: line flexibility and inflection points, trigonometric functions, functions exponential and logarithmic, derivative rules of production and ratio of functions, derivation of function compound), Exponential functions and logarithmic functions, Addition, presentation and interpretation of data, Probability and discrete random variables (probability, probability distribution, in Advance: conditional probability, binomial distribution, probability modeling).

Mathematics 13

In the fourth-year students will receive knowledge about the following topics: Second degree lines (Circle and ellipse, Hyperbola and parabola), Matrices (Determinants, Systems of equations linear, Gaussian method, Spatial coordinates (Numerical product of vectors, Vector product, Product I vector mix, Plan equation, Spatial line equation) and Repetition (preparation for Matura state)

Informatics - ICT 10, 11

Informatics - ICT 10

In tenth grade students learn these elements: computer networks, digital data processing, HTML, CSS and JavaScript. This knowledge treated during the first part of the school year is enriched with elements from internet. The second part deals with algorithms and C ++ and JAVA programming languages. Informatics - ICT 11. In the eleventh grade, computer science is divided into two parts: the core part and the compulsory part. IN the core part deals with computer networks and network security, databases and work with Access, as well as programming in Python. The following elements are addressed in elective computing: Web Programming (HTML, CSS and Java Script) and C ++ programming focusing on matrices, stacks, and rows.

Informatics - Advanced ICT 11

In the eleventh grade, computer science is divided into two parts: the core part and the compulsory part. IN the core part deals with computer networks and network security, databases and work with Access, as well as programming in Python. In elective computing the following elements are addressed: Web Programming (HTML, CSS and Java script) and C ++ programming focusing on matrices, stacks, and rows.

Physics 10, 11, 12, 13

Physics 10

Through the course "Physics 10" students develop scientific skills, critical and creative thinking; apply knowledge and scientific skills analytically, critically, and creatively in problems that require solution and retrieval decisions in Newtonian mechanics, using information and communication technology as a tool for providing and communicating information; explain the role of science in sustainable development as well as in preservation and protection of the environment.

Physics 11

The program of the course "Physics 11" serves students to develop key learning competencies throughout life and subject competencies for proper scientific preparation in thermodynamics, electrostatics, magnetism, oscillations and waves preceding the basic concepts of mechatronics, electronics etc.

Physics 12

Through the course "Physics 12" students: develop competencies in scientific formation in modern physics, with the aim preparing them to pursue further studies. An important place in the physics program is occupied strengthening and deepening the knowledge that is realized through: laboratory works, that are realized with quality in physics laboratory, works with projects realized in the physics club, writing scientific essays, etc.

Physics 13 (auto mechanics, electronics)

Through elective physics students: deepen basic knowledge and concepts for scientific training in physics, with the aim of preparing them to continue their studies in the branches of the Faculty of Natural Sciences, Engineering and Medical; develop scientific skills, critical and creative thinking; apply knowledge and scientific skills analytically, critically and creatively in problems that require solutions and acquisition decisions; describe natural processes in time and space; energy resources; explain the processes through four interactions (gravitational, electromagnetic, nuclear and weak); use information and communication technology as a means of securing and communicating information;

Advanced Physics 12

Elective Physics 12

The program of the course "Elective Physics" serves students to develop key learning competencies during all the life and competencies of the subject for the proper scientific preparation in the university branches that will follow. It integrates knowledge, skills, attitudes and values. Through elective physics students: deepen basic knowledge and concepts for scientific training in physics, with the aim of preparing them to continue their studies in the branches of the Faculty of Natural Sciences, Engineering and Medical; develop scientific skills, critical and creative thinking; apply knowledge and scientific skills analytically, critically and creatively in problems that require solutions and acquisition decisions; appreciate the contribution of science and technology in the service of human society; aware to interact with the environment responsibly and consensually; describe natural processes in time and space; describe energy sources; explain processes through four interactions (gravitational, electromagnetic, nuclear and weak); use information technology and communication, as a means of securing and communicating information;

explain the role of science in the development of sustainable, as well as in preserving and protecting the environment.

Chemistry 10 11

Nuclear Chemistry 10

To study the properties and structure of atoms, of compounds and molecules, of different mixtures, of solutions as basic elements of nature and how they combine to form different stages of matter that forms everything around us. Understand the most important basic concepts of chemistry and realize the connection of chemistry with the phenomena of life daily with the well-being of man and society; Be able to search for and process information about chemical phenomena, properties of substances of practical importance using scientific research and other ways active learning, as well as assess the accuracy and relevance of information; Learn to plan and conduct experiments on various phenomena, following safety rules with equipment and chemicals; Use information and communication technology as tools for security and communication information; Apply chemical knowledge in discussions about nature, environment and technology, in the decision-making process as a consumer to maintain good health and promote sustainable development;

Nuclear Chemistry 11

To study the structure, properties, physical and chemical and reactions of inorganic and organic compounds, to evaluate chemical reactions, to understand the behavior of acids, bases and salts, as well as different ways of synthesis and their role in everyday life. Understand the most important basic concepts of chemistry and realize the connection of chemistry with the life phenomena of daily with the well-being of man and society; be able to search for and process information about chemical phenomena, properties of substances of practical importance using scientific research and other ways active learning, as well as assess the accuracy and relevance of information; learn to plan and conduct experiments on various phenomena, following safety rules with equipment and chemicals; of is familiar with modern technology in industry and environmental engineering; gain the experience you will arouse interest in making career choices in chemistry.

Advanced Chemistry 12

Understand the chemical concepts of the program and realize their connection with the phenomena of everyday life, with the well-being of man and society; be able to search for and process information about substances and chemical phenomena using research and other ways of active learning, as well as assess the accuracy and the importance of the information; plan and conduct experiments on various phenomena, following safety rules with equipment and chemicals; use information and communication technologies as tools for the provision and communication of information; become familiar with modern technology in industry and in environmental engineering; use chemical knowledge and skills in discussions about nature, the environment and technology, in the decision-making process as a consumer to maintain good health and promote sustainable development; gain experience that will help him in the career of his choice.

Biology 10

The subject of biology, part of the AML curriculum, is developed in the framework of general education that students take in the field of Natural Sciences along with physics and chemistry subjects. This course, through the set of concepts, skills and habits it creates, enables the mastery of key competencies and biology subject competencies. All three competencies (Identification and problem solving in biology; Use of tools, objects and scientific procedures in biology; Communicating biological ideas using language and science terminology) are closely related to each other and are practically developed in the program of biology through the following topics: Diversity: Cell Biology; Variability and evolution; Inheritance; Biotechnology; Biodiversity; Biochemistry. Systems: Construction and operation of systems in animals (humans) and plants; Transport to plants and mammals; Breathing; Immunity; Coordination and control; Homeostasis. Cycle: Mitosis; Photosynthesis; Breathing; Photosynthesis; Breathing; Interaction and energy: Ecosystems.

Physical Education

Physical Education 10

The program of "Physical education, sports and health" aims to be seen as an ideal tool for promoting regular physical activity, educating a healthy and active lifestyle and gaining competencies important and valuable for life, performing motor combinations with motor skills content basic, motor manipulation with and without tools, execution of appropriate running and jumping techniques, execution of the techniques of the main technical elements and tactics of the games.

Physical Education 11

The program of "Physical education, sports and health" aims to promote regular physical activity, education of a healthy and active lifestyle, the contribution of physical activity in achieving fitness, recognition and the application in practice of simple ways of providing first aid in cases of trauma that occur during physical activity, cognition ways to prevent them, awareness of the dangers posed by the use of narcotics and their effect on sporting performance, designing and implementing an individual work and food plan in order to improve the physical condition, as well as to acquire important and valid competencies for a long time all life.

Physical Education 12

The program "Physical education, sports and health" aims to educate a healthy and active lifestyle and gaining important and valuable lifelong competencies. It aims to execute the techniques of appropriate elements of simple acrobatics and rhythmic and aerobic gymnastics, stimulating creative skills, improving physical capacity through performing runs of various athletic distances, as well as improving techniques. Aims, the correct execution of techniques of different types of jumps and jumps, the application of accurate movement action techniques learned in traditional and motor games, as well as recognition and reflection on their educational aspect, the execution of the techniques of the main technical and tactical elements of the games: basketball, volleyball, handball and football.

Physical Education 13

The program "Physical education, sports and health" aims to engage and mass physical activity and sports to help improve health, reduce obesity and increase quality of life. mass activation in various mobile

games and sports not only in school but also in leisure through engaging in sports teams and individual training, getting rid of addictions such as alcohol, tobacco, drugs and first aid applications in cases of sports trauma.