

Forest Hill Community High School



Course Curriculum Guide

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Forest Hill High School Course Descriptions

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Advanced International Certificate in Education (AICE) Electives

AICE GLOBAL PERSPECTIVE AS

Course No.: 1700364

Prerequisite: Must qualify for AICE Diploma the year of the course, Grades 10-12

Credit: 1.0

The purpose of this course is to prepare learners for positive engagement with our rapidly changing world by examining global issues with reflection, empathy and a critical eye. The course is based on skills rather than specific content. Students will learn public speaking and presentation skills, critical evaluation of various types of informational media, and research skills. These skills will enable students to meet the demands of twenty-first century learning and make a successful transition to study in higher education and beyond. In order to receive AICE credit and a passing grade for this class students must successfully complete a detailed research paper, an oral presentation, and a written examination. This course is required for all AICE Diploma candidates.

[Further Reading](#)

AICE SOCIOLOGY 1 AS

Course No.: 2108310

Prerequisite: AICE English General Paper

Credit: 1.0

In a rapidly changing world, Cambridge International AS and A Level Sociology offers learners the opportunity not only to explore the processes that are shaping current trends, but also to develop an understanding of the complexity and diversity of human societies and their continuities with the past.

The study of sociology stimulates awareness of contemporary social, cultural and political issues, and focuses on the importance of examining these issues in a rigorous, reasoned and analytical way.

[Further Reading](#)

AICE THINKING SKILLS AS

Course No.: 1700372

Prerequisite: Algebra 1

Credit: 1.0

The purpose of this course involves the development of a range of transferable thinking skills and processes. These skills are valuable and relevant within other subjects as well as being essential for further and higher education. It should engage students in the study of the language of reasoning by identifying reasons, evaluating reasoning of different kinds, recognizing and evaluating assumptions, clarifying expressions and ideas, and the production of reasoning appropriate to a given task

[Further Reading](#)

AICE MEDIA STUDIES AS

Course No.: 1100460

Prerequisite: Level 3-5 ELA

Credit: 1.0

Learners develop a set of transferable skills, including the skill of thinking critically about mediated information, understanding its rhetorical qualities, and being aware of the significance of its conditions of production and reception. Learners will also be able to practice this skill to communicate their own ideas in a variety of forms

Forest Hill High School Course Descriptions

ART - Visual Arts



ADVANCED PLACEMENT (AP) STUDIO ART: 2-D DESIGN PORTFOLIO

Course No.: 0109350

Prerequisite: Teacher Recommendation

Credit: 1.0

This Advanced Placement course is intended to address a very broad interpretation of two-dimensional (2-D) design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The course is for the advanced student who wishes to seek AP credit through submitting a portfolio of work for consideration by the College Board.

ADVANCED PLACEMENT (AP) DRAWING

Course No.: 0104300

Prerequisite: Teacher Recommendation

Credit: 1.0

This Advanced Placement course is intended to develop skills in drawing as you explore different media and approaches. Investigating the materials, processes, and ideas that artists and designers use.

ART 1 - IB MYP

Course No.: 0114880

Prerequisite: N/A

Credit: 1.0

Students demonstrate proficiency in the conceptual development of content in drawing, painting, printmaking, collage, and/or design to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities and consumption of art materials.

ART 2 - IB MYP

Course No.: 0114890

Prerequisite: Art 1- IBMYP

Credit: 1.0

The purpose of this course is to further develop students' abilities to communicate ideas and concepts through intermediate-level two-dimensional design and composition. This course is a continuation of 2D Studio Art 1 with a stronger emphasis on mastery of media, techniques and tools used to create visual communication work.

[Further Reading](#)

CREATIVE PHOTOGRAPHY 1

Course No.: 0108310

Prerequisite: Art 1 and/or Teacher Recommendation

Credit: 1.0

Students explore the aesthetic foundations of art making using beginning photography techniques. This course may include, but is not limited to, color and/or black and white photography via digital media and/or traditional photography. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations, printing an image for display, and evaluating a successful print. Student photographers may use a variety of media and materials, such as 35mm black and white film, single lens reflex camera, digital camera, darkroom, computer application, filters, various papers, digital output, photogram, cyanotypes, Sabatier effect, and pinhole photography.

IB MYP DESIGN TECHNOLOGY

Course No.: 0200830

Prerequisite:

Credit: 1.0

This is an IB-MYP (International Baccalaureate Middle Years Programme) course, which values communication, holistic learning, and intercultural awareness. Students will use the design cycle, which is a way of thinking and organizing to help you realize a goal. The design cycle starts with an investigation of an issue or topic: what do you want to do or create? What problem do you want to solve? The next step is to plan what you think will give you the outcome that you are looking for. Then you begin to create the product (or to put the plan that you have come up with into action). Finally, you will evaluate both your end product as well as your process to determine whether or not it was a success, and reflect on what you could have done differently to obtain a better outcome.

[Further Reading](#)

IB VISUAL ARTS (2 YEAR COURSE)

IB VISUAL ART 1

Course No.: 0114815

Prerequisite: Grade 11

Credit: 1.0

The IB Diploma Programme visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media.

[Further Reading](#)

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IB VISUAL ART 3

Course No.: 0114835

Prerequisite: IB Visual Arts 1 & Grade 12

Credit: 1.0

The IB Diploma Programme visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is

designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

PAINTING 3 HONORS

Course No.: 0104390

Prerequisite:

Credit: 1.0

Students demonstrate proficiency in the conceptual development of content in painting to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities and consumption of art materials.

Criminal Justice



CRIMINAL JUSTICE OPERATIONS 1

Course No.: 8918010

Prerequisite: N/A

Credit: 1.0

This course is to introduce the student to the history, goals, and career opportunities in the Criminal Justice Profession. It also covers ethics and professionalism, constitutional and criminal laws, court and trial process, juvenile justice system, and the correctional system. Students will also be instructed on personal, interpersonal, and communication skills as well as demonstrate employability skills.

CRIMINAL JUSTICE OPERATIONS 2

Course No.: 8918020

Prerequisite: Successful completion of CJO1 (8918010)

Credit: 1.0

This course is to introduce the student to the characteristics and procedures of patrol, complete written reports, and crime prevention programs. Students will also describe guidelines for Use-of-force, perform CPR/ first aid techniques, and procedures to protect from Blood-Borne pathogens. Training for Traffic Control Officer and Parking Enforcement Specialist IAW Florida Statute 316.640 will be accomplished.

CRIMINAL JUSTICE OPERATIONS 3

Course No.: 8918030

Prerequisite: Successful completion of CJO2 (8918020)

Credit: 1.0

This course is to introduce the student to the crime scene safety, conducting criminal investigations, conducting forensic processing, and complete property control procedures. Students will conduct a traffic crash investigation completing the proper report forms. Computer skills as well as job related math skills will be performed. Enhancing the awareness of human diversity will be instructed.

PUBLIC SERVICE OFFICER

Course No.: 8918050

Prerequisite: Successful completion of CJO3 (8918030)

Credit: 1.0

Classroom, shop, and laboratory activities are an integral part of this program. These activities include instruction in the use of safety procedures, tools, equipment, materials, and processes found in the industry. Field and laboratory activities include basic procedures in traffic control, patrol, search and arrest, stop and frisk, mock trial, jail operations, crime prevention, fingerprinting, forensic photography, and crime laboratory examination procedures.

Forest Hill High School Course Descriptions

Culinary



CULINARY ART 1

Course No.: 8800510

Prerequisite: N/A

Credit: 1.0

This course covers the history of the food service industry and careers in that industry. Also covered are state mandated guidelines for food service and how to attain food handler training certification; safety in the workplace; employability skills; leadership/teamwork skills; care and use of commercial culinary equipment; basic food science; basic nutrition; and following recipes in food preparation labs.

CULINARY ARTS 2

Course No.: 8800520

Prerequisite: Completion of Culinary Arts 1 and teacher recommendation

Credit: 1.0

In this course students will learn and perform front-of-the-house and back-of-the-house duties. Students will prepare quality food products and present them creatively; demonstrate safe, sanitary work procedures; understand food science principles related to cooking and baking; and utilize nutrition concepts when planning meals/menus.

CULINARY ARTS 3

Course No.: 8800530

Prerequisite: Completion of Culinary Arts 2 and teacher recommendation

Credit: 1.0

In this course the student will research career opportunities in professional cooking/baking; follow guidelines on food selection, purchasing, and storage; and use communication skills. Students will prepare and present a variety of advanced food products; create centerpieces; and research laws specific to the hospitality industry. Also covered are management skills; how to develop a business plan; and utilization of technology in the workplace.

CULINARY ARTS 4

Course No.: 8800540

Prerequisite: Completion of Culinary Arts 3 and teacher recommendation

Credit: 1.0

In this course students will prepare various meals and food products including those for individuals with various nutritional needs and/or dietary restrictions. The relationship between nutrition and wellness will be examined. Cost control techniques and profitability will be covered as well as analysis of food establishment menus. Students will also demonstrate basic financial literacy skills.

Forest Hill High School Course Descriptions

Digital Design



DIGITAL INFORMATION TECHNOLOGY

Course No. 8207310

Prerequisite: None

Credit: 1.0

This course is designed to provide a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments. Emphasis is placed on developing proficiency with touch keyboarding and fundamental computer applications, so that they may be used as communications tools for enhancing personal and workplace proficiency in an information-based society. This also includes proficiency with computers using databases, spreadsheets, presentations applications, and the integration of these programs using software that meets industry standards.

DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 1

Course No.:8201210

Prerequisite: n/a

Credit: 1.0

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, measurement activities; and digital imaging as well as communication, collaboration and decision-making activities; critical thinking; and problem solving.

Forest Hill High School Course Descriptions

DRAMA - Theatre Arts



THEATRE I

Course No.: 0400310

Prerequisite: None

Credit: 1.0

This course is designed for students with little or no theatre experience, and promotes enjoyment and appreciation for all aspects of theatre. Classwork focuses on the exploration of theatre literature, performance, historical and cultural connections, and technical requirements. Improvisation, creative dramatics, and beginning scene work are used to introduce students to acting and character development. Incorporation of other art forms in theatre also helps students gain appreciation for other art forms, such as music, dance, and visual art.

THEATRE II

Course No.: 0400320

Prerequisite: Completion of Theatre I and Teacher Recommendation and Audition

Credit: 1.0

This course is designed for students with a year of experience or more, and promotes enjoyment and appreciation for all aspects of theatre through opportunities to build significantly on existing skills. Classwork focuses on characterization, playwriting, and playwrights' contributions to theatre; while improvisation, creative dramatics, and scene work are used to help students challenge and strengthen their acting skills and explore the technical aspect of scene work.

THEATRE III HONORS

Course No.: 0400330

Prerequisite: Completion of Theatre II and Teacher Recommendation

Credit: 1.0

This course is designed for students with significant experience in theatre, and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

THEATRE IV HONORS

Course No.: 0400340

Prerequisite: Completion of Theatre III and Teacher Recommendation

Credit: 1.0

This course is designed for students with extensive experience in theatre, and promotes significant depth of engagement and lifelong appreciation for theatre through a broad spectrum of primarily self-directed study and performance. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more

areas; and evidence of sophisticated oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

FILM 1

Course No: 0107410

Prerequisite:

Credit: 1.0

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. The instructional focus will be on film. Students produce digital animated images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

Forest Hill High School Course Descriptions

Electives

AP COMPUTER SCIENCE PRINCIPLES

Course No.: 0200335

Prerequisite: Algebra 1

Credit: 1.0

AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

DEVELOPMENTAL LANGUAGE ARTS THROUGH ESOL (READING)

Course No.: 1002381P

Prerequisite: Administrative Placement

Credit: 1.0

The purpose of this course is to provide instruction that enables students to accelerate the development of reading and writing skills and to strengthen those skills so they are able to successfully read and write grade level text independently. Instruction emphasizes reading comprehension, writing fluency, and vocabulary study through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text. Students enrolled in the course will engage in interactive text-based discussion, question generation, and research opportunities. They will write in response to reading and cite evidence when answering text dependent questions orally and in writing. The course provides extensive opportunities for students to collaborate with their peers. Scaffolding is provided as necessary as students engage in reading and writing increasingly complex text and is removed as the reading and writing abilities of students improve over time.

ENGLISH LANGUAGE DEVELOPMENT

Course No.: 1002380P

Prerequisite: Administrative Placement

Credit: 1.0

The purpose of this course is to enable high school students who are native speakers of languages other than English to accelerate the development of communication and literacy skills that will promote English proficiency. This course will strengthen English listening, speaking, reading and writing skills so that students are able to successfully comprehend high school grade-level text independently, as well as communicate for social and instructional purposes within the school setting. Instruction will emphasize reading comprehension, writing fluency, and academic vocabulary through various levels of complexity. Texts used for instruction focus on a wide range of topics in Language Arts, Mathematics, Science, Social Studies and academic language in order to support students in meeting the knowledge demands of increasingly complex text.

IB DIGITAL SOCIETY 1

Course No.: 0200890

Prerequisite: Algebra 1

Credit: 1.0

This course is designed to promote an understanding and appreciation of the social significance of information technology and networking as students analyze and evaluate in a critical manner the impact and ethical considerations arising from the widespread use of information technology and networking. The course focuses

on how information systems and networks are used to process and exchange information for control, analysis, and communications.

[Further Reading](#)

IB DIGITAL SOCIETY 3

Course No.: 0200910

Prerequisite: Algebra 1

Credit: 1.0

The IB DP information technology in a global society (ITGS) course is the study and evaluation of the impacts of information technology (IT) on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts.

[Further Reading](#)

INTENSIVE READING

Course No.: 1000410

Prerequisite: Administrative Placement

Credit: 1.0

The purpose of this course is to provide instruction that enables students to accelerate the development of reading and writing skills and to strengthen those skills so they are able to successfully read and write grade level text independently. Instruction emphasizes reading comprehension, writing fluency, and vocabulary study through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text. Students enrolled in the course will engage in interactive text-based discussion, question generation, and research opportunities. They will write in response to reading and cite evidence when answering text dependent questions orally and in writing. The course provides extensive opportunities for students to collaborate with their peers. Scaffolding is provided as necessary as students engage in reading and writing increasingly complex text and is removed as the reading and writing abilities of students improve over time.

PERSONAL FINANCE AND MONEY MANAGEMENT HONORS

Course No.: 2102373

Prerequisite: None

Credit: 0.5

The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

Forest Hill High School Course Descriptions

Engineering



PRINCIPLES OF ENGINEERING

Course No.: 8600520

Prerequisite: Completion of Introduction to Engineering Design (8600550)

Credit: 1.0

This course helps students understand the field of engineering/engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of the required knowledge and skills in mathematics, science, and technology. Through problem-based learning strategies, students study key engineering topics, including mechanisms, energy sources, energy applications, machine control, fluid power, statics, material properties, material testing, statistics, and kinematics. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

INTRODUCTION TO ENGINEERING DESIGN

Course No.: 8600550

Prerequisite: Acceptance into the Academy of Engineering

Credit: 1.0

This course exposes students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, they will learn to use 3D solid modeling design software to design solutions to problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions, document the process, and communicate the results.

DIGITAL ELECTRONICS

Course No.: 8600530

Prerequisite: Completion of Intro to Engineering Design

Credit: 1.0

This is a course in applied logic that encompasses the application of electronic circuits and devices. Students are exposed to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices

CIVIL ENGINEERING & ARCHITECTURE

Course No.: 8600590

Prerequisite: Completion of Digital Electronics

Credit: 1.0

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as the Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation.

Forest Hill High School Course Descriptions

Exceptional Student Education



ACCESS BIOLOGY I

Course No.: 7920015

Credit: Multiple

The purpose of this course is to provide a general knowledge of biology to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS EARTH/SPACE SCIENCE

Course No.: 7920020

Credit: Multiple

The purpose of this course is to provide a general knowledge of the concepts of earth and space science to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS PHYSICAL SCIENCE

Course No.: 7920022

Credit: Multiple

Access courses are intended only for students with a significant cognitive disability. Access courses are designed to provide students with access to the general curriculum. Access points reflect increasing levels of complexity and depth of knowledge aligned with grade-level expectations. The access points included in access courses are intentionally designed to foster high expectations for students with significant cognitive disabilities.

ACCESS INTEGRATED SCIENCE 1

Course No.: 7920025

Credit: Multiple

Access courses are intended only for students with a significant cognitive disability. Access courses are designed to provide students with access to the general curriculum. Access points reflect increasing levels of complexity and depth of knowledge aligned with grade-level expectations. The access points included in access courses are intentionally designed to foster high expectations for students with significant cognitive disabilities.

ACCESS GEOMETRY

Course No.: 7912065

Credit: Multiple

The purpose of this course is to provide instruction in geometric concepts and procedures to enable students with disabilities who are functioning at independent levels to prepare to participate effectively in post-school adult living and in the world of work.

ACCESS ALGEBRA 1

Course No.: 7912075

Credit: Multiple

The purpose of this course is to provide instruction in algebra concepts and procedures to enable students with disabilities who are functioning at independent levels to prepare to participate effectively in post-school adult living and in the world of work.

ACCESS ENGLISH 1

Course No.: 7910120

Credit: Multiple

The purpose of this course is to provide instruction in knowledge and skills of English to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS ENGLISH 2

Course No.: 7910125

Credit: Multiple

The purpose of this course is to provide instruction in knowledge and skills of English to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS ENGLISH 3

Course No.: 7910130

Credit: Multiple

The purpose of this course is to provide instruction in knowledge and skills of English to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS ENGLISH 4

Course No.: 7910135

Credit: Multiple

The purpose of this course is to provide instruction in knowledge and skills of English to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS UNITED STATES GOVERNMENT

Course No.: 7921015

Credit: Multiple

The purpose of this course is to develop an understanding of US government to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS ECONOMICS FINANCIAL LITERACY

Course No.: 7921022

Credit: Multiple

The purpose of this course is to develop an understanding of economics to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS UNITED STATES HISTORY

Course No.: 7921025

Credit: Multiple

The purpose of this course is to develop an understanding of US Hist to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

ACCESS WORLD HISTORY

Course No.: 7921027

Credit: Multiple

The purpose of this course is to develop an understanding of world history to enable students with disabilities to function at their highest levels and prepare to participate effectively in post-school adult living and the world of work.

SOCIAL AND PERSONAL SKILLS

Course No.: 7963070

Credit: Multiple

The purpose of this course is to provide instruction related to environmental, interpersonal and task-related behaviors of students with disabilities.

LEARNING STRATEGIES

Course No.: 7963080

Credit: Multiple

The purpose of this course is to provide instruction that enables students with disabilities to acquire and use strategies and skills to enhance their independence as learners in educational and community settings.

UNIQUE SKILLS: 9-12

Course No.: 7963130

Credit: Multiple

The purpose of this course is to enable students with disabilities to acquire skills that are needed to achieve the maximum level of independent functioning.

PHYSICAL THERAPY

Course No.: 7966010

Credit: Multiple

The purpose of this course is to provide instruction to students with disabilities who have physically disabling conditions, including sensor motor or neuromuscular deficits that substantially limit one or more major life activities and require adaptation of the school environment or curriculum in order to benefit from an educational program.

OCCUPATIONAL THERAPY

Course No.: 7966020

Credit: Multiple

The purpose of this course is to provide instruction to students with disabilities whose physical, motor, or neurological deficits results in significant dysfunction in daily living or academic learning skills to the extent that they require adaptation of the school environment or curriculum in order to benefit from an educational program.

SPEECH THERAPY

Course No.: 7966030

Credit: Multiple

The purpose of this course is to provide students exhibiting communication disorders that negatively impact their ability to benefit from the educational process appropriate instruction in the communication skills necessary for academic learning, social interaction and vocational success.

LANGUAGE THERAPY

Course No.: 7966040

Credit: Multiple

The purpose of this course is provide students exhibiting language disorders that negatively impact their ability to benefit from the educational process appropriate instruction in language skills, both oral and written, necessary for academic learning, social interaction and vocational success.

CAREER PREPARATION

Course No.: 7980110

Credit: Multiple

The purpose of this course is to enable students with disabilities to acquire the career knowledge and skills necessary to identify career options, obtain community resources and develop work-related behaviors. The course will provide a foundation for further progress toward achieving the student's desired post-school outcomes related to a career.

CAREER EXPERIENCES

Course No.: 7980120

Credit: Multiple

The purpose of this course is to enable students with disabilities to further develop the career knowledge and skills necessary to identify career options, access community resources, and practice work-related behaviors. The course will provide guided practice and experiences in school and community work situations aimed at further progress toward achieving the student's desired post-school outcomes related to a career.

CAREER PLACEMENT

Course No.: 7980130

Credit: Multiple

The purpose of this course is to enable students with disabilities to use the career knowledge and skills necessary to identify career options, access community resources and apply work-related behaviors. The course will provide placement in a job in the community aimed at further progress toward achieving the student's desired post-school outcomes related to a career.

ACCESS HOPE 9-12

Course No.: 7915015

Credit: Multiple

Access courses are intended only for students with a significant cognitive disability. Access courses are designed to provide students with access to the general curriculum. Access points reflect increasing levels of complexity and depth of knowledge aligned with grade-level expectations. The access points included in access courses are intentionally designed to foster high expectations for students with significant cognitive disabilities.

HEALTH SAFETY: 9-12

Course No.: 7915015

Credit: Multiple

Access courses are intended only for students with a significant cognitive disability. Access courses are designed to provide students with access to the general curriculum. Access points reflect increasing levels of complexity and depth of knowledge aligned with grade-level expectations. The access points included in access courses are intentionally designed to foster high expectations for students with significant cognitive disabilities.

TRANSITION PLANNING: 9-12

Course No.: 7960010

Credit: Multiple

The purpose of this course is to enable students with disabilities to develop knowledge and skills for transition planning and accessing services needed to engage in postsecondary education/training, employment, and independent living.

Experiential Education



VOLUNTARY PUBLIC SERVICE

Course No.: 0500370

Prerequisite: 2.5 GPA

Credit: 0.5

The purpose of this course is to develop an appreciation of the concept of service to the community and to develop skills necessary to evaluate the impact of service to others.

VOLUNTEER SCHOOL/COMMUNITY SERVICE

Course No.: 2104330

Prerequisite: 12th Grade; 2.5 GPA

Credit: 0.5

The primary content emphasis for this course pertains to the concept of service to society and the engagement in activities that benefit communities. Content should include, but is not limited to, the identification of school or community challenges and needs, options for responding to identified needs, and the development and implementation of a personal plan for providing school or community service.

Forest Hill High School Course Descriptions

Hospitality & Tourism



TECHNOLOGY FOR HOSPITALITY & TOURISM

Course No.: 8703110

Prerequisite: Successful completion of Intro to Hospitality & Tourism

Credit: 1.0

This course is designed to provide an introduction to computer technology and to develop entry-level skills for computer-related careers in the hospitality & tourism industry.

HOSPITALITY AND TOURISM MARKETING MANAGEMENT

Course No.: 8703120

Prerequisite: Successful completion of Technology for Hospitality and Tourism

Credit: 1.0

The purpose of this course is to provide students necessary career specific instruction in hospitality and tourism marketing management. Students will learn sales and management techniques, marketing principles, and entrepreneurship skills necessary to succeed in the hospitality and tourism industry. This course incorporates marketing and management principles and procedures of the hospitality and tourism industry as well as employment qualifications and opportunities.

HOSPITALITY AND TOURISM INTERNSHIP

Course No.: 8845130

Prerequisite: Teacher Recommendation, Summer 12th Grade

Credit: 1.0

The Hospitality and Tourism Internship course provides students the opportunity to demonstrate human relations, communications, and employability skills necessary for entry-level employment in the hospitality & tourism industry. Additionally, it will enhance the instruction and competencies developed through classroom instruction.

INTRODUCTION TO HOSPITALITY AND TOURISM

Course No.: 8850110

Prerequisite: Acceptance into the Hospitality and Tourism Academy

Credit: 1.0

The purpose of this course is to introduce students to the skills necessary for success in the hospitality and tourism industry. Students will also have the opportunity to learn hospitality and tourism terminology and the mathematical, economic, marketing, and sales fundamentals of the industry.

HOSPITALITY AND TOURISM ENTREPRENEURSHIP

Course No.: 8703130

Prerequisite: Hospitality and Tourism Marketing Management

Credit: 1.0

This course begins with an overview of the principles of business development and marketing management. It covers research methodology needed for the design and delivery of a hospitality business. The course then assesses the viability of various sizes of hospitality business ventures vis-avis the planning process, management of small enterprises, feasibility studies, and formation of business plans. Risk management, record keeping and entrepreneurial characteristics are explored.

HOSPITALITY & TOURISM COOPERATIVE EDUCATION - OJT

Course No.: 8800420

Prerequisites: Teacher recommendation and proof of employment

Credit: 1.0

The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed.

Junior ROTC



LEADERSHIP EDUCATION AND TRAINING I

Course No.: 1801300

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to develop knowledge of the history, customs, traditions, and purpose of the Army JROTC. The course includes the development of basic leadership skills including leadership principles, values, and attributes. Students should master appreciation for diversity. Active learning strategies are integrated throughout the course with an emphasis on writing skills and oral communication techniques. Financial planning as well as physical fitness, diet, nutrition, healthy lifestyles, awareness of substance abuse and prevention, and basic first aid measures are included. An overview of the globe and geography and basic map reading skills are incorporated. A study of the United States Constitution, Bill of Rights, responsibilities of United States citizens, and the federal justice system is also provided.

LEADERSHIP EDUCATION AND TRAINING II

Course No.: 1801310

Prerequisite: Leadership Education and Training I and Teacher Recommendation

Credit: 1.0

The purpose of this course is to enable students to expand on skills taught in Leadership Education and Training 1. This course introduces the concepts of equal opportunity, fair treatment of minorities, and prevention of sexual harassment. It provides instruction on leadership skills, leadership theories, as well as the basic principles of managements. It provides self assessments that help students determine their skill sets and opportunities to teach using accepted principles and methods of instruction. It emphasizes community projects to assist in drug prevention efforts. It also includes dietary guidelines, fitness, and map reading and orienteering skills. It discusses the significant events that helped shape and develop the Constitution and government and teachers the role of political parties in the election process.

LEADERSHIP EDUCATION AND TRAINING III

Course No.: 1801320

Prerequisite: Leadership Education and Training II and Teacher Recommendation

Credit: 1.0

The purpose of this course is to enable students to expand on skills taught in Leadership Education and Training 2. This course allows cadets to investigate the interrelationships of the services while they continue to build their leadership development and decision-making skills. It includes negotiation skills and management principles. It emphasizes staff procedures and opportunities to handle various leadership situations as well as prevent violence and manage anger. The research, identification, planning, and execution of service learning activities are included. This course gives cadets the opportunity to apply basic concepts of strategies for career exploration and planning. It teaches how to create a career portfolio and plan for college or work. Financial management principles are studied. Skills for orienteering and/or land navigation are developed. The course also includes studies in the federal judicial system and how historical events have shaped social systems.

LEADERSHIP EDUCATION AND TRAINING IV

Course No.: 1801330

Prerequisite: Leadership Education and Training III and Teacher Recommendation

Credit: 1.0

The purpose of this course is to enable students to expand on skills taught in Leadership Education and Training 3. This course focuses on creating a positive leadership situation, negotiating, decision making, problem solving, team development, project management, and mentoring. Students will demonstrate leadership potential in an assigned command or staff position within the cadet battalion organizational structure. The course teaches cadets how to use emotional intelligence in leadership situations as well as how to maintain a positive attitude. It provides instruction on etiquette, daily planning, financial planning, and careers. It includes requirements for the practical application of leadership duties. It emphasizes physical fitness through healthy individual and group competition. The interactions between groups of people and how they affect the area's cultural, economic, and political characteristics are discussed. Concepts of democracy and freedom and their influence on local governments are also included.

Forest Hill High School Course Descriptions

Language Arts



AICE ENGLISH GENERAL PAPER

Course No.: 1009400

Prerequisite: Teacher Recommendation

Credit: 1.0

The purpose of this course is to encourage students to make cross-curricular links; to develop a maturity of thought appropriate to students at this level; and to achieve an understanding and usage of the English language which enables them to express arguments, ideas and opinions in a reflective and academic manner. An awareness of the wider implications of particular issues will enhance the quality of the student's response to the questions; the General Paper is not a test of general knowledge. The key objective is for the student to convey information or opinion in a way that is thoughtful, perceptive and immediately intelligible to the reader.

[Further Reading](#)

AICE ENGLISH LANGUAGE

Course No.: 1001550

Prerequisite: AICE General Paper

Credit: 1.0

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. The course also provides a variety of writing opportunities calling for the use of different styles and tones.

[Further Reading](#)

AICE ENGLISH LITERATURE 1 AS

Course No.: 1005370

Prerequisite:

Credit: 1.0

The purpose of this course is to engage students in the careful reading and critical analysis of imaginative literature of various styles, genres, and periods, thus developing independent critical competency in the study of literature and fostering a high level of achievement in reading, writing, and speaking. Students will also acquire an understanding of the resources of the language and of the writer's craft.

[Further Reading](#)

ENGLISH I

Course No.: 1001310

Prerequisite: None

Credit: 1.0

English I provides instruction in the Language Arts strands of reading, writing, speaking, listening, viewing, language, and literature. It offers instruction in reading and vocabulary necessary for comprehension of printed materials; research; the

writing of effective paragraphs and multi-paragraph papers, with emphasis on all stages of the writing process in prepared or timed form (prewriting, drafting, revising, editing and publishing); speech instruction including formal and informal presentations; evaluation of mass media; the analysis of genres and the study of language in conjunction with writing, concentrating on conventions of grammar usage, and mechanics.

ENGLISH I THROUGH ESOL

Course No.: 1002300

Prerequisite: LEP Committee Placement

Credit: 1.0

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness.

ENGLISH II

Course No.: 1001340

Prerequisite: Completion of English I

Credit: 1.0

English II provides instruction in the Language Arts strands of reading, writing, speaking, listening, viewing, language, and literature. Content includes instruction in reading literature and vocabulary necessary to comprehend printed materials; the writing of essays for various purposes and audiences, using literary and non-literary subjects; prepared and timed writings, utilizing all elements of the writing process where appropriate (prewriting, drafting, revising, editing and publishing); emphasis on applicable research, viewing, listening, observing, and speaking skills; analysis of selections found in world literature; study of grammar, mechanics, usage and other conventions of standard written English in conjunction with writing; study of mass media, including analysis of propaganda and persuasion techniques; and instruction in speech, including analysis of effective techniques in oral presentations.

ENGLISH II THROUGH ESOL

Course No.: 1002310

Prerequisite: LEP Committee Placement

Credit: 1.0

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness.

ENGLISH III

Course No.: 1001370

Prerequisite: Completion of English II

Credit: 1.0

English III provides instruction in the Language Arts strands of reading, writing, speaking, listening, viewing, language, and literature. Composition instruction includes frequent practice in writing various types of multi-paragraph papers, including documented papers/projects. Referencing and summarizing skills will be stressed as well as all phases of the writing process (prewriting, drafting, revising, editing and publishing). The course will include the analysis of representative examples of American literary works in various genres, as they illustrate distinctive national qualities and the ethnic and cultural diversity of the American experience. Vocabulary, grammar, and usage are studied in conjunction with literature and writing. Listening, speaking, viewing, observing, researching, and writing assignments are related to the study of American literature when appropriate.

ENGLISH IV: FLORIDA COLLEGE PREP

Course No.: 1001405

Prerequisite: Completion of English III

Credit: 1.0

This course incorporates reading and writing study through writing a variety of informative texts using grade-level writing craft and through the in-depth reading and analysis of informational selections in order to develop critical reading and writing skills necessary for success in college courses. This course prepares students for successful completion of Florida college English courses. The benchmarks reflect the Florida Postsecondary Readiness Competencies necessary for entry-level college courses and are also related to the College and Career Readiness (CCR) anchor standards, the exit standards of Florida's K -12 Common Core Standards.

IB ENGLISH B 1

Course No.: 1001870

Prerequisite: Teacher Recommendation

Credit: 1.0

Language B is a language acquisition course designed for students with some previous experience of the target language. Students further develop their ability to communicate through the study of language, themes and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet.

Further Reading

IB ENGLISH LITERATURE 4

Course No.: 1001830

Prerequisite: IB English B1

Credit:1.0

English Literature 4 is a language acquisition course designed for students with some previous experience of the target language. Students further develop their ability to communicate through the study of language, themes and texts.

IB ENGLISH AB INITIO 1

Course No.: 1001880

Prerequisite: Teacher Recommendation

Credit: 1.0

IB English Ab Initio 1 is the first year of a two-year entry level English course that allows IB students who have no prior instruction in English to master the foundational elements of the language. The novice language learner will receive instruction in the areas of writing, speaking, listening, and reading with the focus on building basic communication fluency.

Further Reading

IB ENGLISH AB INITIO 2

Course No.: 1001885

Prerequisite: Teacher Recommendation

Credit: 1.0

IB English Ab Initio 2 is the second year of a two-year entry level English course that allows IB students who have taken IB English Ab Initio 1 to develop the ability to communicate in English through the study of language, themes and texts. Developing conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course.

Further Reading

IB ENGLISH LANGUAGE/LITERATURE 1

Course No.: 1005850

Prerequisite: Teacher Recommendation

Credit: 1.0

The course is organized into four parts, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the student to explore the language A in question through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy.

Further Reading

IB ENGLISH LANGUAGE/LITERATURE 2 (SL)

Course No.: 1005855

Prerequisite: IB English Language/Literature 1

Credit: 1.0

The course is organized into four parts, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the student to explore the language A in question through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy.

Further Reading

IB ENGLISH LANGUAGE/LITERATURE 3 (HL)

Course No.: 1005856

Prerequisite: IB English Language/Literature 1

Credit: 1.0

The course is organized into three areas of exploration and seven central concepts, and focuses on the study of both literary or non-literary texts. Together, the three areas of exploration of the course allow the student to explore the language A in question through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy.

Further Reading

IB MYP ENGLISH I

Course No.: 1001840

Prerequisite: Meet Honors Criteria

Credit: 1.0

In this course, students prepare to meet the requirements of IB English in eleventh and twelfth grades. As they study classics of world literature, they acquire experiential knowledge of literary genres and terms. Both written and oral literary analyses, including a fully documented research report, are regularly required. This course focuses on improving oral skills in preparation for the oral commentaries. There is also an emphasis on formal, expository writing. The volume, difficulty, and pacing of assignments are challenging. Summer reading assignments are also required.

Further Reading

IB MYP ENGLISH II

Course No.: 1001845

Prerequisite: Completion of English I and Meet Honors Criteria

Credit: 1.0

This one-year course includes an exhaustive study of American Literature and World Literature in translation. Writing requirements for the course include fully documented research papers, critical analyses, reader response journals, and explications. Numerous written and oral assignments are graded by the teacher. Summer reading assignments are required in this course.

[Further Reading](#)

Forest Hill High School Course Descriptions

Leadership Skills Development



LEADERSHIP SKILLS DEVELOPMENT (Student Government Association 1st year)

Course No.: 2400300

Prerequisite: Application and Teacher Recommendation

Credit: 1.0

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building and other group processes.

APPROACHES TO LEADERSHIP (Student Government Association 4th year)

Course No.: 2400330

Prerequisite: Application and Teacher Recommendation

Credit: 1.0

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building and other group processes.

LEADERSHIP TECHNIQUES (Student Government Association 2nd year)

Course No.: 2400310

Prerequisite: Application and Teacher Recommendation

Credit: 1.0

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building and other group processes.

LEADERSHIP STRATEGIES (Student Government Association 3rd year)

Course No.: 2400320

Prerequisite: Application and Teacher Recommendation

Credit: 1.0

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building and other group processes.

PERS, CAR, SCH DEV 1 (LATINOS IN ACTION)

Course No.: 0500510

Prerequisite: Application and Teacher Recommendation

Credit: 1.0

The purpose of this course is to empower Latino youth to lead and strengthen their communities through college and career readiness. We accomplish this by focusing on four pillars: leveraging personal and cultural assets, excelling in education, serving the community, and developing leadership skills.

[Further Reading](#)

PERS, CAR, SCH DEV 3 (LATINOS IN ACTION)

Course No.: 0500520

Prerequisite: Application and Teacher Recommendation

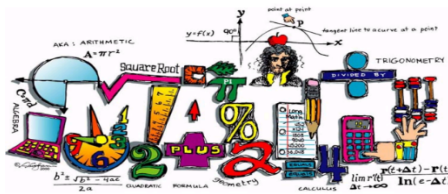
Credit: 1.0

The purpose of this course is to empower Latino youth to lead and strengthen their communities through college and career readiness. We accomplish this by focusing on four pillars: leveraging personal and cultural assets, excelling in education, serving the community, and developing leadership skills.

[Further Reading](#)

Forest Hill High School Course Descriptions

Mathematics



ADVANCED PLACEMENT (AP) CALCULUS AB

Course No.: 1202310

Prerequisite: Meet Honors Criteria and Teacher Recommendation

Credit: 1.0

This course is designed for the student considering a math and/or science major at a four-year college. Topics include antiderivatives, definite integrals and applications of the integral. Extensive out of class preparation is required. Students are expected to take a final AP exam.

Further Reading

ADVANCED PLACEMENT (AP) PRE CALCULUS

Course No.: 1202305

Prerequisite: Meet Honors Criteria and Teacher Recommendation

Credit: 1.0

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

ALGEBRA I

Course No.: 1200310

Prerequisite: Teacher Recommendation

Credit: 1.0

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions.

ALGEBRA II

Course No.: 1200330

Prerequisite: Completion of Algebra I, Geometry and Teacher Recommendation

Credit: 1.0

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

IB MYP ALGEBRA I

Course No.: 1200390

Prerequisite: Meet Honors Criteria and Teacher

Recommendation

Credit: 1.0

This honors-level course will be a more extensive study of the algebraic concepts traditionally covered in Algebra I. (See Algebra I description above.) It is an intense program that includes all topics taught in Algebra I as well as additional enrichment topics.

Further Reading

IB MYP ALGEBRA II

Course No.: 1200395

Prerequisite: Completion of Algebra I, Geometry, and/or meet Honors Criteria and Teacher

Recommendation

Credit: 1.0

The purpose of this course is to continue the rigorous and in-depth study of algebra and to provide the foundation for applying algebraic skills to other mathematical and scientific fields. The content should include, but not be limited to the following: structure and properties of the complex number system; arithmetic and geometric sequences and series; relations, functions and graphs extended to polynomial, exponential, and logarithmic functions; varied solution strategies for linear equations, inequalities, and systems of equations and inequalities; varied solution strategies, including the quadratic formula, for quadratic equations; conic sections and their applications; data analysis, including measures of central tendency and dispersion; and probability, permutations, and combinations.

Further Reading

GEOMETRY

Course No.: 1206310

Prerequisite: Algebra I and Teacher Recommendation

Credit: 1.0

Geometry is a course designed for college bound students. The course introduces the basic concepts of Euclidean geometry and illustrates basic logic and its use in problem solving. Topics include congruence, similarity, perpendicularity, parallel circles and quadrilaterals, proof writing, Pythagorean Theorem and areas of polygons. This course emphasizes the relationship between algebra and geometry in preparation for Algebra II.

IB MYP GEOMETRY

Course No.: 1206810

Prerequisite: Meet Honors Criteria, Teacher

Recommendation and Algebra I or Algebra I Honors

Credit: 1.0

The purpose of this course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real-world and mathematical problems. The content will include, but not be limited to, the following: geometric constructions; terminology and fundamental properties of geometry; deductive and inductive reasoning and their application to formal and informal proof; formulas pertaining to the measurement of plane and solid figures; coordinate geometry and transformations on the coordinate plane; exploration and application of geometric relationships such as parallelism, perpendicularity, congruence, and similarity; properties of circles; and right triangle trigonometry.

Further Reading

IB MATH: APPLICATIONS AND INTERPRETATIONS 1

Course No.: 1209300

Prerequisite: IB Math: Algebra II and Teacher Recommendation

Credit: 1.0

Mathematics: analysis and approaches course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent and rigorous way, achieved by a carefully balanced approach. Students are encouraged to apply their mathematical knowledge to solve abstract problems as well as those set in a variety of meaningful contexts.

IB MATH: APPLICATIONS AND INTERPRETATIONS 2

Course No.: 1209305

Prerequisite: IB Math: APP & Int 1

Credit: 1.0

Mathematics: analysis and approaches has a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. Students are also encouraged to develop the skills needed to continue their mathematical growth in other learning environments.

[Further Reading](#)

MATHEMATICS FOR COLLEGE ALGEBRA

Course No.: 1200710

Prerequisite: 2 credits in math

Credit: 1.0

In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition.

MATH FOR DATA AND FINANCIAL LITERACY

Course No.: 1200384

Prerequisite: 2 credits in math, 11th/12th grade

Credit: 1.0

In Mathematics for Data and Financial Literacy, instructional time will emphasize five areas: (1) extending knowledge of ratios, proportions and functions to data and financial contexts; (2) developing understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts and short- and long-term loans; (4) developing understanding of planning for the future through investments, insurance and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions.

PRE-CALCULUS HONORS

Course No.: 1202340

Prerequisite: Meet Honors Criteria, Teacher Recommendation and Algebra II Honors

Credit: 1.0

This course is designed for the student who excels both in ability and performance in college preparatory mathematics and strengthens the student's skill in preparation for calculus. Topics include extension of polynomial functions, exponential and logarithmic functions, sequences and series, trigonometry, mathematical induction, matrix algebra, elementary functions and limits.

Forest Hill High School Course Descriptions

Medical Science



HEALTH SCIENCE 1/ANATOMY & PHYSIOLOGY

Course No.: 8417100

Prerequisite: Acceptance into the Medical Science Academy

Credit: 1.0

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.

HEALTH SCIENCE 2/FOUNDATIONS

Course No.: 8417110

Prerequisite: Successful completion of Health Science 1

Credit: 1.0

This course is part of the Secondary Health Core designed to provide the student with an in depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills. Students may shadow professionals throughout the course.

ALLIED HEALTH 3

Course No.: 8417131

Prerequisite: Successful completion of Health Science 2

Credit: 1.0

In this course students will perform skills representative of one to three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, radiation, EKG, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included with instructor provided competencies

PHARMACY TECHNICIAN 7

Course No.: 8418270

Prerequisite: Successful completion of Allied Health 3 and Teacher Recommendation

Credit: 1.0

Clinical (externship) in the hospital setting will expand the student's knowledge of science and medicine as it relates to the professions associated with the practice of pharmacy in hospitals and family health centers. Students will interact with pharmacists and technicians and patients to provide services in all types of patient care settings including inpatient, outpatient and ambulatory care.

Students are expected to participate in a clinical pharmacy experience that provides opportunities for each student to build on acquired knowledge and skills, to practice and develop skills in selected procedures. Such procedures include, but are not limited to, dispensing, compounding, inventory handling and control, drug distribution, processing of third party claims, maintenance of patient profiles and interaction and communication with pharmacy staff.

Forest Hill High School Course Descriptions

Music



BAND II

Course No.: 1302310

Prerequisite: Band Director's Approval

Credit: 1.0

The purpose of this course is to enable students to develop intermediate-level technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance and critical listening. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

BAND III

Course No.: 1302320

Prerequisite: Band Director's Approval

Credit: 1.0

This year-long, formative class, designed for students ready to build on skills and knowledge previously acquired in a middle or high school instrumental ensemble, promotes the enjoyment and appreciation of music through performance of high-quality, intermediate-level wind and percussion literature. Rehearsals focus on development of critical listening/aural skills, individual musicianship, instrumental technique, refinement of ensemble skills, and aesthetic engagement culminating in periodic public performances.

BAND IV

Course No.: 1302330

Prerequisite: Band Director's Approval

Credit: 1.0

The purpose of this course is to enable students to develop consistently proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, critical listening and aesthetic response. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

BAND V HONORS

Course No.: 1302340

Prerequisite: Meet Honors Criteria Band IV and Director's Approval

Credit: 1.0

This year-long, advanced course, designed for wind and percussion students with extensive experience in solo performance and larger performing ensembles, promotes significant depth of engagement and lifelong appreciation of music through performance and other experiences with sophisticated instrumental music, as well as creativity through composition and/or arranging. The course includes the development of advanced instrumental ensemble techniques and

skills, extended music literacy and theory, and deep aesthetic engagement with a broad spectrum of high-quality repertoire, ranging from early music to the contemporary. Musical independence and leadership are particularly encouraged in this setting.

BAND VI HONORS

Course No.: 1302350

Prerequisite: Meet Honors Criteria Band V and Director's Approval

Credit: 1.0

This year-long, highly advanced course, designed for students with substantial experience in solo performance and larger performing ensembles, promotes significant engagement with and appreciation for music through performance of sophisticated wind and percussion literature. Study focuses on mastery of highly advanced music skills, techniques, and processes, as well as creativity through composition and/or arranging and use of current technology to enhance creativity and performance effectiveness. This course also provides significant opportunities for student leadership through peer mentoring, solo work, and participation as a performer or coach in a small or large ensemble.

CHORUS I

Course No.: 1303300

Prerequisite:

Credit: 1.0

This year-long, entry-level class, designed for students with little or no choral experience, promotes the enjoyment and appreciation of music through performance of beginning choral repertoire from a variety of times and places. Rehearsals focus on the development of critical listening skills; foundational instrumental technique and skills, music literacy, and ensemble skills; and aesthetic musical awareness culminating in periodic public performances.

CHORUS II

Course No.: 1303310

Prerequisite: CHORUS I

Credit: 1.0

This year-long, beginning-level class, designed for students with one year of experience or less in a choral performing group, promotes the enjoyment and appreciation of music through performance of basic, high-quality choral music. Rehearsals focus on the development of critical listening/aural skills; foundational instrumental technique and skills, music literacy, and ensemble skills; and aesthetic musical awareness culminating in periodic public performances.

CHORUS III

Course No.: 1303320

Prerequisite: Audition

Credit: 1.0

This year-long, formative class, designed for students with previous participation in a school chorus who have basic knowledge of note-reading and vocal technique, concentrates on providing students opportunities to strengthen existing skills in critical listening, vocal techniques, and ensemble performance using high-quality three- and four-part choral literature. Rehearsals focus on gaining independence in music literacy and aesthetic engagement through critical listening and thinking skills.

CHORUS 4

Course No.: 1303330

Prerequisite: Audition

Credit: 1.0

This year-long, intermediate-level class is designed for students with previous participation in a high school chorus and moderate skills in critical listening, vocal techniques, music literacy, and choral performance. Rehearsals focus on enhancing these skills and students' aesthetic engagement with music through a variety of high-quality three- and four-part choral literature, providing students with the means to learn how to reflect and use a combination of analytical, assessment, and problem-solving skills consistently to improve their own and others' performance.

CHORUS 5 HONORS

Course No.: 1303340

Prerequisite: Audition

Credit: 1.0

This year-long, advanced class is designed for students with previous participation in a high school chorus who have demonstrated a capacity for developing advanced listening/aural skills and advanced knowledge of vocal techniques, musical literacy, and choral performance. Chorus V focuses on development and application of these skills and provides opportunities for aesthetic engagement and making individual musical choices, where appropriate, while preparing a variety of high-quality choral literature.

CHORUS 6 HONORS

Course No.: 1303350

Prerequisite: Audition

Credit: 1.0

This year-long, very advanced class is designed for students who have demonstrated a capacity for developing very advanced listening/aural skills and performance techniques, as well as very advanced knowledge of vocal techniques, musical literacy, ensemble skills, and related musical knowledge. Chorus VI focuses on managing, mastering, and refining these skills and techniques through a variety of high-quality choral literature at a high level of aesthetic engagement. Musical independence and student leadership are promoted through significant opportunities for peer mentoring, solo work, and participation as a performer, conductor, or coach in a small or large ensemble.

JAZZ ENSEMBLE

Course No.: 1302500

Prerequisite:

Credit: 1.0

Students with experience on an instrument suited for jazz ensemble explore the fundamentals of performance practices, improvisation, and music theory through a diverse repertoire of high-quality jazz literature. Students learn the basics of foundational jazz styles, use chord symbols, develop knowledge of musical structure, and study the history of jazz and its iconic musicians. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source.

JAZZ ENSEMBLE 2

Course No.: 1302510

Prerequisite: Jazz Ensemble

Credit: 1.0

Students with experience on an instrument suited for jazz ensemble explore the fundamentals of performance practices, improvisation, and music theory through a diverse repertoire of high-quality jazz literature. Students learn the basics of foundational jazz styles, use chord symbols, develop knowledge of musical structure, and study the history of jazz and its iconic musicians. Public performances may serve as a culmination of specific

instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source.

JAZZ ENSEMBLE 3

Course No.: 1302520

Prerequisite: Jazz Ensemble 2

Credit: 1.0

Students with considerable jazz experience become conversant with more complex forms and harmonic progressions, and strengthen their aural and improvisational skills as they rehearse, perform, and study high-quality jazz ensemble literature. Musicians apply their theory skills to arranging, transposition, and composing; and study various periods, cultural contexts, compositions, and artists in jazz history. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source.

JAZZ ENSEMBLE 4 HONORS

Course No.: 1302530

Prerequisite: Jazz Ensemble 3

Credit: 1.0

Students with significant jazz experience become highly conversant with complex harmonic structures; compose or arrange for small groups; improvise over various forms, keys, and styles; and are knowledgeable about the professional jazz scene and its icons. Musicians study the impact of technology on jazz and the music industry, and learn the basics of sound reinforcement for solo and ensemble performance. In keeping with the rigor expected in an Honors course, students undertake independent study that includes synthesis of learning and experience. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source.

VOCAL ENSEMBLE 1

Course No.: 1303440

Prerequisite: Audition

Credit: 1.0

This year-long, intermediate-level class is designed for students with previous participation in a high school chorus and moderate skills in critical listening, vocal techniques, music literacy, and choral performance. Rehearsals focus on enhancing these skills and students' aesthetic engagement with music through a variety of high-quality three- and four-part choral literature, providing students with the means to learn how to reflect and use a combination of analytical, assessment, and problem-solving skills consistently to improve their own and others' performance.

VOCAL ENSEMBLE 4 HON (D20)

Course No.: 1303470

Prerequisite: Audition

Credit: 1.0

Students with extensive vocal ensemble experience refine their critical listening, music literacy, and ensemble skills through the study, rehearsal, and performance of high-quality, advanced literature. Students use reflection and problem-solving skills with increasing independence to improve their performance and musical expressivity. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

Honors and Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted. Students are challenged to think and collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, and complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes and organization within and across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.

Forest Hill High School Course Descriptions

OJT



DIVERSIFIED CAREER TECHNOLOGY PRINCIPLES

Course No.: 8303010

Prerequisites: Teacher recommendation and proof of employment

Credit: 1.0

This course is designed to enable each student to demonstrate employability skills; environmental, health, and safety skills; professional, legal, and ethical responsibilities; financial skills; leadership skills; communication skills; human resources and labor skills; America's economic principles; entrepreneurship principles; relate planning methods to life and career goals; and uses of industry/technology principles in the workplace.

COOPERATIVE DIVERSIFIED EDUCATION OJT

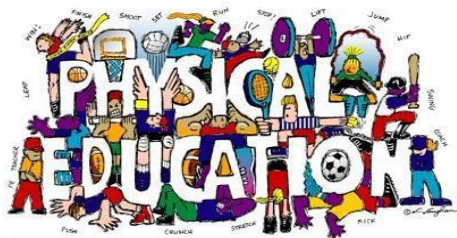
Course No.: 8300410

Prerequisites: Teacher recommendation and proof of employment

Credit: 1.0

This course is designed to enable each student to demonstrate competencies in a specific career and to demonstrate legal and ethical behavior within the role and scope of job responsibilities through a realistic, on-the-job training experience. An individualized training plan is developed and utilized to ensure that training is provided which will develop the necessary competencies/skills in order for the student to become competent in the occupation for which he/she is being trained. The training plan is the "curriculum" for the on-the-job training and the time card is the attendance record.

Physical Education



IB MYP PHYSICAL EDUCATION

Course No.: 1501305

Prerequisite: None

Credit: 0.5

Through physical and health education, students can learn to appreciate and respect the ideas of others, and develop effective collaboration and communication skills.

INDIVIDUAL AND DUAL SPORTS 1

Course No.: 1502410

Prerequisite: None

Credit: 0.5

The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of individual and dual sports play, develop skills in selected individual and dual sports, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected individual and dual sports. Individual and dual sports selected may include, but not be limited to, archery, badminton, bowling, golf, gymnastics, handball, paddleball, racquetball, skating, swimming, table tennis and tennis. Activities selected in Individual and Dual Sports I shall not be repeated in Individual and Dual Sports II or III. Strategies of individual and sports play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.

INDIVIDUAL AND DUAL SPORTS 2

Course No.: 1502420

Prerequisite: None

Credit: 0.5

The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of individual and dual sports play, develop skills in selected individual and dual sports, and maintain and/or improve their personal fitness. The content should include, but not be limited to, knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected individual and dual sports. Individual and dual sports selected may include, but not be limited to, archery, badminton, bowling, golf, Ind. & Dual gymnastics, handball, paddleball, racquetball, skating, swimming, table tennis, and tennis. Activities selected in Individual and Dual Sports II shall not be repeated in Individual and Dual Sports I or III. Strategies of individual and dual sports play, skill acquisition, and the maintenance and/or improvement of personal fitness should be stressed.

WEIGHT TRAINING 1

Course No.: 1501340

Prerequisite: Teacher Recommendation

Credit: 0.5

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.

WEIGHT TRAINING 2

Course No.: 1501350

Prerequisite: Teacher Recommendation

Credit: 0.5

The purpose of this course is to enable students to develop intermediate-level knowledge and skills in weight training, further improve muscular strength and endurance and further enhance self-image.

WEIGHT TRAINING 3 HONORS

Course No.: 1501360

Prerequisite: Teacher Recommendation

Credit: 0.5

The purpose of this course is to enable students to develop advanced-level knowledge and skills in weight training, further improve muscular strength and endurance and further enhance self-image.

POWER WEIGHT TRAINING 1

Course No.: 1501410

Prerequisite: Teacher Recommendation

Credit: 0.5

The purpose of this course is to enable students to develop advanced-level knowledge and skills in weight training, further improve muscular strength and endurance and further enhance self-image.

PERSONAL FITNESS

Course No.: 1501300

Prerequisite: None

Credit: 0.5

Students will acquire the knowledge, skills, rules and strategies necessary to participate at a safe and functional level in a variety of physical activities from the following three categories: individual and dual activities, games, and movement activities. Lessons will incorporate a balance of individual, cooperative, recreational and competitive environments.

TEAM SPORTS I

Course No.: 1503350

Prerequisite: None

Credit: 0.5

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

TEAM SPORTS II

Course No.: 1503360

Prerequisite: Team Sports I

Credit: 0.5

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

AEROBICS 1

Course No.: 1503400

Prerequisite: Completion of Team Sports 1

Credit: 0.5

The purpose of this course is to enable students to acquire basic knowledge of aerobic activities and fitness and to maintain or improve an individualized level of fitness.

AEROBICS 2

Course No.: 1503410

Prerequisite: Completion of Team Sports 1

Credit: 0.5

The purpose of this course is to enable students to extend their knowledge of aerobic activities and fitness and to maintain or improve an individualized level of fitness.

Research and Critical Thinking



ADVANCEMENT VIA INDIVIDUAL DETERMINATION

(AVID) I

Course No. 1700390

Prerequisite: Placement into program.

Credit: 1.0

AVID (Advancement Via Individual Determination) is offered as a rigorous academic elective course that prepares students for success in four-year colleges. The AVID course is scheduled during the regular school day as a year-long course. Each week students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic survival skills. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note-taking, and research. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and reading to support their academic growth.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION

(AVID) II

Course No. 1700400

Prerequisite: Placement into program.

Credit: 1.0

AVID (Advancement Via Individual Determination) is offered as a rigorous academic elective course that prepares students for success in four-year colleges. The AVID course is scheduled during the regular school day as a year-long course. Each week students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic survival skills. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note-taking, and research. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and reading to support their academic growth.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION

(AVID) III

Course No. 1700410

Prerequisite: Placement into program.

Credit: 1.0

AVID (Advancement Via Individual Determination) is offered as a rigorous academic elective course that prepares students for success in four-year colleges. The AVID course is scheduled during the regular school day as a year-long course. Each week students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic survival skills. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note-taking, and research. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and reading to support their academic growth.

**ADVANCEMENT VIA INDIVIDUAL DETERMINATION
(AVID) IV**

Course No. 1700420

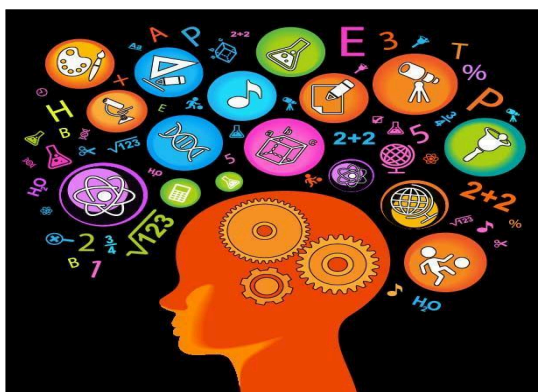
Prerequisite: Placement into program.

Credit: 1.0

AVID (Advancement Via Individual Determination) is offered as a rigorous academic elective course that prepares students for success in four-year colleges. The AVID course is scheduled during the regular school day as a year-long course. Each week students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic survival skills. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note-taking, and research. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and reading to support their academic growth.

Forest Hill High School Course Descriptions

Science



AICE MARINE SCIENCE I

Course No.: 2002515

Prerequisite: Biology, Physical Science, and/or teacher recommendation, meet honors criteria

Credit: 1.0

This course facilitates an ongoing, integrated study of all aspects of the marine environment, including physical, chemical, and biological processes. Content includes, but is not limited to, the nature of science, the origin of the oceans, the chemical, physical, and geological aspects of the marine environment, ecology of various sea zones, marine communities, the diversity of marine organisms, characteristics of major marine ecosystems, characteristics of major marine phyla, and the interrelationship between man and the ocean. Laboratory investigations of selected topics in the content, which include the use of the scientific method, measurement, laboratory apparatus and safety procedures, are an integral part of the course.

Further Reading

AICE ENVIRONMENTAL SCIENCE

Course no: 2001381

Prerequisite:

Credit:1.0

This AS Level syllabus develops scientific knowledge and understanding of global environmental issues and theories, and of the policies and strategies for managing the environment. The course covers the sustainable use and management of resources, and strategies that aim to protect environments. Learners will interpret and analyze data and do investigative work. Case studies allow teachers to choose their own examples to investigate, which may be local, regional or global.

BIOLOGY

Course No.: 2000310

Prerequisite:

Credit: 1.0

Designed to introduce students to the principles of biological science in the classroom and laboratory environments. Areas of study will include: scientific method, chemistry of life, the cell, photosynthesis, mitosis, meiosis, heredity, evolution, viruses, bacteria, microscope use, classification and characteristics of plant and animal phyla.

BIOLOGY I – INTERNATIONAL BACCALAUREATE (IB)

Course No.: 2000805

Prerequisite: Placement in IB program

Credit: 1.0

The Biology 1 course will provide students with higher-order investigative experiences and activities to promote a deeper understanding of critical concepts in Biology. Such concepts will include basic biochemistry, cell structure and function, genetic patterns of inheritance, plant form and function, evolution, ecology, animal physiology and the international nature of science. It will emphasize the development of inquiry skills and higher order thinking via experiential learning in both a classroom and laboratory settings. Students will be required to demonstrate knowledge in experimental methodology, data collection, and the interpretation of experimental data

[Further Reading](#)

BIOLOGY II – INTERNATIONAL BACCALAUREATE (IB)

Course No.: 2000810

Prerequisite: Placement in IB program

Credit: 1.0

In IB Biology 2, students will continue exploring the interrelationships between core biological concepts through investigation and inquiry skills, research, analysis, and application. As part of IB Biology 2, students will conduct their own extensive, independent research on an approved question of their choosing. Students will communicate their findings in a complete, formal lab report following IB's format as learned in year 1. Areas of study during the course include plant anatomy and physiology, human anatomy and physiology, and practice analyzing primary research for understanding.

[Further Reading](#)

CHEMISTRY I

Course No.: 2003340

Prerequisite: Biology and Algebra I and/or teacher recommendation

Credit: 1.0

This course provides students with the study of composition, properties and changes associated with matter. The content includes, but is not limited to, classification and structure of matter, atomic theory, the periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gases, physical changes, acids, bases, and salts and energy associated with physical and chemical changes. Laboratory investigations of selected topics in the content, which include the use of the scientific method, measurement, laboratory apparatus, and safety procedures, are an integral part of the course.

IB MYP BIOLOGY

Course No.: 2000850

Prerequisite:

Credit: 1.0

The purpose of this course is to focus on accelerated biology with related earth/space science topics. The content should include, but not be limited to, biological and mineral classification systems, study of telescopes and microscopes, solar systems and life, cell biology, biological and ecological changes through time, and the fundamentals of Biochemistry, including nucleic acids and protein synthesis and current technologies and trends through the study of scientific current events.

[Further Reading](#)

IB MYP CHEMISTRY

Course No.: 2003830

Prerequisite: Biology I Honors, Algebra I, and/or Teacher Recommendation

Corequisite: Algebra II

Credit: 1.0

This course provides students with a rigorous study of the composition, properties and changes associated with matter. Content includes, but is not limited to: heat, changes of matter, atomic structure, the periodic table, bonding, formulas and equations, the mole concept, gas laws, energy and order, reaction rates and equilibrium, solutions: acids, bases and salts, nuclear chemistry, electrochemistry, and organic chemistry. Laboratory investigations of selected topics in the content, which include the use of the scientific method, measurement, laboratory apparatus, and safety procedures, are an integral part of the course.

Further Reading

ENVIRONMENTAL SCIENCE

Course No.: 2001340

Prerequisite: Earth/Space Science and Biology, and/or teacher recommendation

Credit: 1.0

This course provides students with a study of man's interaction with the environment. Content includes, but is not limited to, forms of pollution, conservation, environmental planning and policy, public land usages, population dynamics, and major forms of energy. Laboratory investigations of selected topics in the content, which include the use of the scientific method, measurement, laboratory apparatus and safety procedures, are an integral part of the course.

ENVIRONMENTAL SCIENCE HONORS

Course No.: 2001341

Prerequisite: Earth/Space Science and Biology, and/or teacher recommendation

Credit: 1.0

This course is designed as an interdisciplinary course to provide students with scientific principles, concepts, and methodologies required to identify and analyze environmental problems and to evaluate risks and alternative solutions for resolving and/or preventing them. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

EXPERIMENTAL SCIENCE 1 HONORS

Course No: 2002340

Prerequisite: Acceptance into the ESA Academy

Credit: 1.0

The purpose of this course is to investigate scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental and safety procedures in the lab. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

EXPERIMENTAL SCIENCE 2 HONORS

Course No: 2002350

Prerequisite: Acceptance into the ESA Academy

Credit: 1.0

The purpose of this course is to investigate scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental and safety procedures in the lab. Laboratory investigations

that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

EXPERIMENTAL SCIENCE 3 HONORS

Course No: 2002360

Prerequisite: Acceptance into the ESA Academy

Credit: 1.0

The purpose of this course is to investigate scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental and safety procedures in the lab. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

EXPERIMENTAL SCIENCE 4 HONORS

Course No: 2002370

Prerequisite: Acceptance into the ESA Academy

Credit: 1.0

The purpose of this course is to investigate scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental and safety procedures in the lab through Academic rigor. This is obtained through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

ENVIRONMENTAL SYSTEMS AND SOCIETIES II- INTERNATIONAL BACCALAUREATE (IB)

Course No: 2001375

Prerequisite: Acceptance into the ESA Academy

Credit: 1.0

This course will provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that will inevitably come to face.

[Further Reading](#)

PHYSICAL SCIENCE

Course No: 2003310

Prerequisite: None

Credit: 1.0

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data.

PHYSICS I HONORS

Course No.: 2003390

Prerequisite: Meet Honors Criteria and Teacher Recommendation, Chemistry and Trigonometry (or higher)

Credit: 1.0

The purpose of this course is to provide students with rigorous introductory study of the theories and is governing the interaction of matter, energy and the forces of nature. The content includes kinematics, dynamics, energy, work, thermodynamics, waves, light, electricity, magnetism and sound.

AMERICAN GOVERNMENT

Course No.: 2106310

Prerequisite: None

Credit: 0.5

The primary content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content should include, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision-making process.

AMERICAN GOVERNMENT HONORS

Course No.: 2106320

Prerequisite: Meet Honors Criteria and Teacher

Recommendation

Credit: 0.5

The primary content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content should include, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision-making process.

CONTEMPORARY HISTORY IB – INTERNATIONAL BACCALAUREATE (IB)

Course No.: 2109800

Prerequisite: Completion of History of the Americas IB

Credit: 1.0

This course is a continuation of what was learned in History of the Americas. Year Two will focus on topics of the 20th century with a particular study of The Cold War. Students will prepare for IB examinations during both years, and exams will be taken in Year Two.

Further Reading

ECONOMICS

Course No.: 2102310

Prerequisite: None

Credit: 0.5

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

ECONOMICS HONORS

Course No.: 2102320

Prerequisite: Meet Honors Criteria and Teacher

Recommendation

Credit: 0.5

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories

and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

HISTORY OF THE AMERICAS – INTERNATIONAL BACCALAUREATE (IB)

Course No.: 2100800

Prerequisite: Placement in IB Program

Credit: 1.0

History of the Americas is a two year course. During Year One, students will study Anglo-America and Latin America for the purpose of comparing/contrasting the similarities and differences in cultural roots, political-economic-social development, and modern international relations. A focus on critical issues in United States History will serve as part of the course to meet state requirements. Students will prepare for IB examinations during both years, and exams will be taken in Year Two.

Further Reading

IB CONTEMPORARY HISTORY 2 – INTERNATIONAL BACCALAUREATE (IB)

Course No.: 2109805

Prerequisite: Completion of History of the Americas IB

Credit: 1.0

This course is a continuation of what was learned in History of the Americas. Year Two will focus on topics of the 20th century with a particular study of The Cold War. Students will prepare for IB examinations during both years, and exams will be taken in Year Two.

Further Reading

IB MYP WORLD HISTORY

Course No.: 2109830

Prerequisite:

Credit: 1.0

In this one-year course, students will be involved in studying patterns of human behavior across time within the historical context of global societies. Students will discover commonalities and differences among peoples from past to present. They will examine and evaluate evidence to understand the social, political, environmental, technological, economic and spiritual factors of human development. The study of individuals and societies helps students to appreciate critically the diversity of human culture, attitudes and beliefs.

LATIN AMERICAN HISTORY

Course No.: 2100360

Prerequisite: None

Credit: .5

The primary content emphasis for this course pertains to the study of the chronological development of the Latin American people by examining the history and culture of the region with emphasis on the Caribbean Basin, Central America and South America. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the progression of Latin America including, but not limited to, indigenous Native American population prior to the arrival of the Europeans, Spanish heritage, influence and impact of the Catholic Church on Latin American cultures, evolution of political systems and philosophies in Latin American societies, interaction of science and Latin American cultures, Latin American nationalism, origin and course of economic systems and philosophies in Latin American societies, influence of major historical figures and events in Latin American history, and contemporary Latin American affairs.

Further Reading

LAW STUDIES

Course No.: 2106350

Prerequisite: None

Credit: 0.5

The primary content for the course pertains to the study of the American legal system as the foundation of American society by examining those laws which have an impact on citizens' lives and an introduction to fundamental civil and criminal justice procedures. Content should include, but is not limited to, the need for law, the basis for our legal system, civil and criminal law, adult and juvenile courts, family and consumer law, causes and consequences of crime, individual rights and responsibilities, and career opportunities in the legal system.

PSYCHOLOGY I

Course No.: 2107300

Prerequisite: 1.5 Credits in Social Science

Credit: 0.5

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The content examined in this first introductory course includes major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, and mental health.

PSYCHOLOGY II

Course No.: 2107310

Prerequisite: Teacher Recommendation and 1.5 Credits in Social Science

Credit: 0.5

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The content examined in this second introductory course includes statistical research, psychobiology, motivation and emotion, sensation and perception, states of consciousness, psychological testing, and social psychology.

SOCIOLOGY

Course No.: 2108300

Prerequisite: Teacher Recommendation

Credit: 0.5

Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals in order that they may have a greater awareness of the beliefs, values and behavior patterns of others. In an increasingly interdependent world, students need to recognize how group behavior affects both the individual and society.

UNITED STATES HISTORY

Course No.: 2100310

Prerequisite: None

Credit: 1.0

The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

WORLD HISTORY

Course No.: 2109310

Prerequisite: None

Credit: 1.0

This course is a continued in-depth study of the history of civilizations and societies from the middle school course, and includes the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events from ancient and classical civilizations.

Forest Hill High School Course Descriptions

World Languages



ADVANCED PLACEMENT (AP) – SPANISH LANGUAGE

Course No.: 0708400

Prerequisite: Teacher Recommendation

Credit: 1.0

The purpose of this course is to use authentic materials and sources in Spanish to demonstrate your language proficiencies in multiple modes of communication, including interpersonal communication (two-way written interactions and conversations), interpretive communication, (interpretation of written, audio, and audiovisual materials), and presentational communication (oral and written presentations of information, opinions, and ideas). Students are expected to take a final AP exam.

Further Reading

AICE SPANISH LANGUAGE

Course No.: 0708538

Prerequisite: Teacher Recommendation

Credit: 1.0

AS Level Spanish is designed for students who can already communicate effectively in Spanish as it may be their mother tongue or second language. The syllabus enables students to achieve greater fluency, accuracy and confidence in the language as it is spoken and written, thereby also improving their communication skills. Students will learn how to improve their use of Spanish in a variety of situations, understanding how to read texts and other source materials, and how to extract information, initiate conversations and respond to questions both orally and in writing.

Further reading

FRENCH 3 HONORS

Course No.: 0701340

Prerequisite: Successful Completion of French 1 and French 2

Credit: 1.0

French 3 provides mastery and expansion of skills acquired by the students in French 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.

Honors and Advanced Level Course Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted. Students are challenged to think and collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focus on high-level qualitative measures, and complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes and organization within and across disciplines. Academic rigor is more than simply assigning to students a greater quantity of work.

FRENCH IV– LANGUAGE B - INTERNATIONAL BACCALAUREATE (IB)

Course No.: 0701830

Prerequisite: French III Pre IB and placement in Pre IB Program.

Credit: 1.0

This course expands the skills previously acquired by the student and prepares the student to take the International Baccalaureate Examination at the standard level. The content includes, but is not limited to, developing oral fluency in the language, comprehending difficult authentic text and being able to comment on meaning and content through oral and written means, and developing aural comprehension of a high standard.

Further Reading

FRENCH V – LANGUAGE B – INTERNATIONAL BACCALAUREATE (IB)

Course No.: 0701840

Prerequisite:

Credit: 1.0

This course expands the skills previously acquired by the student and prepares students to take the International Baccalaureate Examination at the standard level. The content includes, but is not limited to, developing oral fluency and comprehension in French, comprehending authentic works of literature drawn from several periods, and being able to discuss and to write about them with fluency and accuracy.

Further Reading

IB MYP FRENCH 1

Course No.: 0701870

Prerequisite: None

Credit: 1.0

The purpose of this course is to introduce students to French and French culture and to develop communication skills and cross-cultural understanding. The content should include, but not be limited to: beginning skills in listening and speaking with special attention to pronunciation; introduction to reading and writing skills; fundamentals of grammar and fundamentals of culture.

Further Reading

IB MYP FRENCH 2

Course No.: 0701880

Prerequisite: None

Credit: 1.0

French II continues to develop basic concepts in French language and culture including French pronunciation, grammar, and culture. Students will enhance and further develop their use of French a balanced development of all four skills: listening, speaking, reading, and writing. The importance of communication and cultural awareness is stressed through a wide variety of activities (group/pair work, video, audio recordings, computer assignments, etc.). This course is designed for students with one year of study of French language and culture

Further Reading

IB MYP SPANISH I

Course No.: 0708870

Prerequisite: N/A

Credit: 1.0

IB MYP Spanish 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

[Further Reading](#)

IB MYP SPANISH 2

Course No.: 0708880

Prerequisite: IB MYP Spanish 1

Credit: 1.0

IB MYP Spanish 2 reinforces the fundamental skills acquired by the students in IB MYP Spanish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in IB MYP Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

[Further Reading](#)

IB SPANISH AB INITIO 1

Course No.: 0708891

Prerequisite: N/A

Credit: 1.0

The language ab initio course is a language acquisition course for students with no prior experience of the target language, or for those students with very limited previous experience. Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course.

[Further Reading](#)

IB SPANISH AB INITIO 2

Course No.: 0708892

Prerequisite: IB Spanish AB Initio 1

Credit: 1.0

The language ab initio course is a language acquisition course for students with no prior experience of the target language, or for those students with very limited previous experience. Students develop the ability to communicate in the target language through the study of language, themes and texts. In doing so, they also develop conceptual understandings of how language works. Communication is evidenced through receptive, productive and interactive skills across a range of contexts and purposes that are appropriate to the level of the course

[Further Reading](#)

IB SPAN LANG & LIT 1

Course No.: 0708895

Prerequisite: Adv Pl Spanish Lit, AICE Span Lang AS

Credit: 1.0

IB Spanish Lang & Lit 1 is a four part course that students focus on language in cultural context, language and mass communication, literature and culture, and literary analysis. Students develop their skills in critical thinking, reading, writing, and speaking.

Further Reading

PRE-AICE SPANISH 3

Course No.: 0708536

Prerequisite: Teacher Recommendation

Credit: 1.0

This honors course continues to build the student's skills in culture, connections, comparisons and communities. Students will further their studies of the Spanish language through the use of authentic resources such as articles, videos, and podcasts.

Further Reading

SPANISH V – LANGUAGE B – INTERNATIONAL BACCALAUREATE (IB)

Course No.: 0708840

Prerequisite: Placement in IB Program

Credit: 1.0

The purpose of this course is to expand previously acquired skills and to prepare students to take the International Baccalaureate Language B exam in Spanish. The content should include, but not be limited to, the following: developing oral fluency in the language, comprehending difficult authentic text, commenting on text meaning and content orally and in writing, and developing aural comprehension of a high standard.

Further Reading

SPANISH FOR SPANISH SPEAKERS II

Course No.: 0709310

Prerequisite: Spanish for Speakers I and Teacher Recommendation

Credit: 1.0

The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in their heritage language by reinforcing and expanding skills in listening, speaking, reading, and writing, as well as Spanish grammar skills acquired in Spanish for Spanish Speakers 1. Students are exposed to a variety of Spanish literary genres and authors. Language Arts Standards are also included in this course to enable students to become literate in Spanish and gain a better understanding of the nature of their own language as well as other languages to be acquired.

SPANISH FOR SPANISH SPEAKERS III

Course No.: 0709320

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in their heritage language by reinforcing and acquiring skills in listening, speaking, reading, and writing, including the fundamentals of Spanish grammar. Language Arts Standards are also included in this course to enable students to become literate in the Spanish language and gain a better understanding of the nature of their own language as well as other languages to be acquired.

