

# **9th Grade Course Description Guide**



**Jackson Public Schools  
2020-2021  
Jackson Liberty and Jackson Memorial**

## **PURPOSE of THIS GUIDE**

The 9th Grade Course Description Guide is provided to assist 9th grade students in the course selection process for their first year of high school. The guide serves as a quick reference to the course descriptions for courses being offered at Jackson Liberty and Jackson Memorial High Schools. This guide is intended to supplement the Program of Study which contains much more detailed information about the Jackson Public School's academic program. Course descriptions are provided for all 9th grade elective and CORE (English, Math, Science, Social Studies) courses. Please note: students during the course selection process will only choose their elective courses and world language. Students are assigned to their CORE classes via teacher recommendation and state assessment scores.

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## **COURSE LEVELS**

### **Advanced Placement (AP)**

The Jackson School District is proud to offer its honor students an opportunity to gain college credits by enrolling in year-long courses which prepare them to take the College Board Advanced Placement (AP) Test. The AP test is given to students in May. Students successfully completing this examination may be eligible to receive college credit for their high school work at any of the participating colleges and universities. *Students enrolled in an AP course are required to take the AP Exam, administered by the College Board.* Please refer to page 8 for additional AP information and requirements.

### **Honors Level**

Courses designated as honors level are designed to provide greater in-depth investigation into a particular subject area. They will be assigned additional grade weight. Placement into an honors level course is determined according to the following criteria: NJSLA/PARCC scores may be considered, writing samples, teacher and counselor recommendations, and grades.

### **College Prep**

These courses may be taken by either college bound or non-college bound students.

## GRADUATION REQUIREMENTS

Graduation requirements, as defined by law, fall into three categories - number of credits, courses required and attendance requirements. To enter high school, a student must have passed the previous grade, i.e., must have passed the 8th grade to enter 9th. Credits: Each semester course is 5 credits while full year courses, which meet everyday of the year, are worth 10 credits. Vocational courses are worth 15 credits.

English I, II, III, IV 20 credits
Physical Education I, II, III, IV (Every year enrolled) 20 credits
US History I & II 10 credits
World History 5 credits
Algebra I, Geometry, and Algebra 2 15 credits
Biology, Chemistry, and Physics or Environmental Earth Science 15 credits
World Language I & II (sequential) Class of 2020-2022 10 credits  World Language I Beginning with class of 2023 5 credits <i>It is recommended that <b>all</b> students complete a minimum of 2 years of the same World Language for college. College bound students are encouraged to exceed the 2 year recommendation and pursue level 3 and 4 world language courses.</i>
Visual/Performing Arts 5 credits
21st century life and careers education 5 credits
Financial Literacy or Personal Finance Financial Literacy and Personal Finance classes fulfill the required 2.5-credits in financial, economic, business, and entrepreneurial literacy; 2.5 credits in a computer related course; and infused Career exploration/development as required by the State. Financial Literacy is available as an online course. Please refer to the Financial Literacy course description under the Business Department.

### High School Graduation Assessment Requirements

On June 5, 2019, the New Jersey Department of Education (NJDOE) updated the high school graduation assessment requirements in both English Language Arts/Literacy (ELA) and mathematics for the Classes of 2019 through 2022, pursuant to an amended Consent Order from the Appellate Division of the Superior Court of New Jersey. The Class of 2023 and Beyond The NJDOE is committed to providing fair notice to students and educators and will continue to collaborate with stakeholders to transition to the next generation of statewide assessments.

[New Jersey Department of Education Graduation Assessment Requirement Information](#)

# 9th GRADE COURSE DESCRIPTIONS

## COURSE DESCRIPTIVE CODES

- + 21st Century Life & Careers or Career Technical Education
- @ Visual and Performing Arts
- ^ NCAA CORE Course
- A/B Course meets every other day full year
- FY Course meets full year

## **AFJROTC**

The US Air Force Jr. ROTC (AFJROTC) course, open to male and female students, is designed for young people looking for something different and challenging. The two-part course features academics and leadership. Students will receive a fundamental understanding of aviation and space. The course includes application to other facets of daily living and to other subjects ranging from social studies, history and science. The course offers an introduction to the whole field of aviation/space, from its history of rocketry, space travel, and to career opportunities in the Aerospace industry. Courses are held at JMHS.

### 0653 AEROSPACE SCIENCE I +

#### *Grades 9-12*

The purpose of this course is to provide students with an introduction to the basic concepts of aerospace science. Major topics include the historical, political, and social implications of flight, the evolution of flight and space exploration, and the use of air power as an instrument of national policy.

Students will learn the Air Junior ROTC history, mission, and organization. They will learn how attitude, discipline, and respect play a role in their lives. Other topics include Drill and Ceremonies, physical fitness, nutrition, and flag ceremonies

## **BUSINESS DEPARTMENT**

The Business Department curriculum is developed to provide students with academic exposure to many facets of the business world. Courses are designed to provide activities to develop expertise in many business skills in an attempt to prepare college-bound students for future business pursuits and 21st century career and life skills.

### **1100 INTRODUCTION to BUSINESS +**

*Grades 9-12*

This course provides a survey of the business world. Topics include the basic principles and practices of contemporary business. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects.

### **1103 HONORS JAB BUSINESS SEMINAR**

**GRADE 9**

Prerequisite: Enrolled in JAB or approval from Business Department Supervisor

The objective of this course is to teach the principles of the free enterprise system, current business procedures, and money management skills. This course will introduce students, through the use of project-based instruction, to the foundations of finance and the role of finance, credit, savings, investments, and consumer responsibilities play in business and personal lives.

### **1104 FRESHMAN SUCCESS SEMINAR +**

**GRADE 9**

Freshman Success Seminar is a course offered during ninth grade and is designed to develop skills necessary for success in high school, post-secondary goals, and essential life skills. In-depth lessons use a variety of both innovative and traditional teaching techniques including: long-range projects, learning activities, and reflective journal writing. Students practice the note-taking, time management, study, technical, social, and human relations skills they need every day in their academic and elective subjects and in their “real” lives outside of school. They will learn more about themselves and their futures in the world of post-secondary education and careers. Students will also acquire the tools to help them reduce stress while also excelling in academic endeavors.

### **1116 ACCOUNTING I +**

*Grades 9-12*

The objective of this course is to learn the importance of keeping accurate business records. The following areas are included: principles of debit and credit related to assets, liabilities, owners equity, revenue, expenses, and withdrawals, analysis and application of the general journal, general ledger, worksheets to complete financial statements, payroll, and other accounting records. The single proprietorship form of business is emphasized in this course.



## ENGLISH DEPARTMENT

The main goal of the English program is to develop and improve all students' critical thinking and critical reading skills, as well as written and oral communications skills. Coursework is designed to help students express their thoughts logically and coherently and to expand their abilities to understand the thoughts and perspectives of others. Coursework is designed to help students meet or exceed the New Jersey Learning Standards.

### 0100 Honors English I ^ 0100S STEM HONORS ENGLISH I ^

Grade 9

Prerequisite: Teacher recommendation, previous course grades, (SRI) Scholastic Reading Inventory scores, Benchmark and NJSLA Assessments may be considered.

This course provides a rigorous in-depth study of the genres of fiction and nonfiction, including short stories, epic, poetry, novels, Shakespearean drama, informative and persuasive non-fiction. The focus of the text-based writing program is extensive practice in expository, literary analysis, research, synthesis, descriptive, narrative, and argumentative writing. The study and proper use of advanced vocabulary, grammar, mechanics and usage are also stressed. Additionally, summer reading a semester long authentic research project, and extensive independent reading are required. The Honors I student must demonstrate superior skills in active reading, critical thinking, working independently, and meaningful participation. The student must read above the ninth grade level as indicated by SRI, benchmark assessments, and NJSLA scores.

### 0102 ENGLISH I ^

Grade 9

This course is designed to further develop the reading and writing skills necessary for success at the high school level. English I includes a thorough study of both nonfiction and fiction and a review of advanced grammatical skills. Expository, argumentative and narrative writing techniques are emphasized and particular emphasis is placed on the process of writing a research synthesis essay. The study of vocabulary is included on a regular basis. The literature portion of the course includes the analysis of various genres including: poetry, novels, epic, short stories, dramas, and nonfiction. Students are required to read independently and to complete several outside reading assignments. Additionally, summer reading and a semester long authentic research project are required. Students will actively participate in the research process and will use and evaluate various sources of information to develop a thesis statement. Students will use technology to enhance reading and writing skills, to communicate, and to acquire useful information.

### 0156 ENGLISH SECOND LANGUAGE

Grades 9-12

This program is designed for students whose primary language is not English. Classes are small and individual attention is emphasized.

## 0142 SPEECH & DRAMA @+

Grades 9-12

This course will begin with the strengthening and improvement of students' listening skills followed by the preparation and presentation of a personal experience speech. Emphasis will be placed on developing self-confidence while speaking and acting before the class in group discussions, acting activities, oral readings, acting for film and television and dramatic scenes. Students will learn to develop characters through scene study and performance.

## 0147 HONORS THEATRE PRODUCTION & PERFORMANCE I and II JAA @

Grades 9 - 12

Prerequisite: JAA students or with teacher recommendation

This course is a fundamentals course for all Theatre Arts Strand students in the Arts Academy. The course is an introduction to theatre class that will provide students with working terminology for all areas of theatrical production, including technical, design, management, direction, and performance of comedy, tragedy, and musical plays. This course is required and serves as a prerequisite for multiple classes in the Theatre Arts Strand. Non-Academy students with experience in theatre may be placed in the course with instructor recommendation only if space is available. *Attendance and performance in major concerts as well as in-school vocal lessons/sectionals are a mandatory requirement of this course. This ensemble also performs for school and community functions.*

## 0148 HONORS TECHNICAL THEATRE PRODUCTION I and II@

Grades 9 - 12

Prerequisite: JAA students or Teacher Recommendation

This course is for Arts Academy students and Digital Media Academy students who wish to develop technical skills for production. During the class, students will focus on basic design using sound, lighting, and scenery; writing blocking, cue sheets, rehearsal reports, and managing a prompt book; and will be taught to use the tools of production available in our performance spaces. Performance-focused Theatre Arts students may consider this course in order to gain better insight to how direction and stage management works during rehearsal and performance sessions. If space is available, students having completed Theatre Production and Performance, the first year of Digital Media Academy, or Speech and Drama may seek admission to this course. Instructor permission must be obtained. *Attendance and performance in major concerts as well as in-school vocal lessons/sectionals are a mandatory requirement of this course. This ensemble also performs for school and community functions.*

## 0150 JOURNALISM ^+

Grades 9-12

This course is designed for the student interested in exploring print and broadcast journalism. Emphasis will be on various writing styles including news stories, editorials, sports stories, reviews, writing for television and features. Journalistic law, ethics, advertising and photographic techniques will also be stressed. Students will be given the opportunity to write for local newspapers, for Jackson Television and for school publications. Journalism is of special benefit to college-bound students interested in a possible career in this field.

## **FAMILY & CONSUMER SCIENCE DEPARTMENT**

The Family and Consumer Science program offers a variety of courses designed to prepare students for independent and family living, as well as for career opportunities in major areas. Courses food preparation, nutrition, child development, and personal development, family living and clothing will prepare the student for lifetime experiences.

### **1208 BASIC FOODS +**

*Grades 9-12*

This is an introductory course in the study of foods and their preparation. The course is offered to all grade level students and provides skills needed for kitchen organization, safety, sanitation, food selection, and food preparation in a cooperative setting. Students interested in the culinary arts and food sciences are encouraged to enroll in this course.

### **1212 NUTRITION AND FOODS +**

*Grades 9-12*

This is an introductory course that studies the nutrition of foods and their preparation. Special emphasis will be placed on nutrition education and healthy eating styles. The course will keep abreast of the latest research and issues in the field of food and nutrition. Learn how to prepare healthy foods, snacks and beverages. Some of the topics discussed will be: fad diets vs. safe healthy diets, nutritional facts and fallacies, the impact of poor nutrition, the pros and cons of vitamins. Students will have the opportunity to improve their eating habits while learning to cook delicious and nutritious foods.

### **1224 FASHION TECHNOLOGY I +@**

*Grades 9-12*

Fashion Design I is a course designed for students who wish to learn and gain proficiency in the techniques used in clothing construction. The student learns to make clothing choices suitable to figure type with some emphasis on consumer awareness and the care of garments. No prior sewing knowledge is required.

## **FINE ARTS DEPARTMENT**

The Fine Arts Department offers various opportunities for students to explore the creation of art through drawn images and creative idea-formation. Students communicate a wide range of ideas through traditional and non-traditional approaches to art making, explore various media and techniques and maintain a personal sketchbook. These electives cultivate students' ability to make connections through art-appreciation, present completed artwork for exhibition and experience/respond to artwork in the museum/gallery setting.

### **1000 ART FUNDAMENTALS @**

*Grades 9-12*

This introductory course to art is designed to offer students the basic fundamental skills of art making: the elements of art and principles of design, color theory, drawing, 3D Design and art

criticism. Students will understand the scope of art history's importance and its impact on society. These skills serve as a foundation for the study of art in the advanced classes: Studio Art, Honors and AP Studio Art, Media and Techniques 1, 2, and 3. The Art Fundamentals class must be taken in the freshman year if a student wishes to prepare for an art career through the Studio Art electives as it is the prerequisite class for all other art classes. (**Not** a prerequisite for the Academy of Art - Graphics/Studio Strand)

### 1003 JAA HONORS DRAWING 1 @

Grade 9

Prerequisite: Admission Into JAA Art Strand

This course is designed for freshmen who have been accepted into the Academy of the Arts and are considering a possible career in the visual arts. The class will focus on drawing skills and techniques. Students will explore the use of a variety of drawing media including pencil, ink, charcoal, pastel and others. The course will emphasize the elements of art, principles of design, and color theory and serve as a foundation for further study in Honors Studio courses. As part of the Jackson Art Academy, students will participate in a Master Class to enhance their experience as an artist both inside and outside the classroom. *Attendance and performance in exhibits as well as in-school collaborations/projects/sectionals are a requirement of this course; these sessions occur during the school day, after school and/or in the evening. This strand also partakes and/or exhibits for school and community functions. Students enrolled in the JAA Academy participate in Master Experiences, Residency Experiences, and required Ensemble Production Experiences for their strand.*

### 1026 GRAPHIC DESIGN 1 @+

Grades 9-12

Graphic Design I is a graphic course designed to introduce students to techniques and procedures in the printing, publishing, packaging, advertising, and graphic design industries. A variety of digital processes and their uses in print, film and television will be explored using media software including CS6 - Photoshop, Illustrator, In Design and Microsoft Office in order to create a variety of project-based assignments.

Graphic Design I provides students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and art. This is a general course for business and art oriented students interested in learning about one of the largest and fastest growing industries in the United States today. This course will be especially beneficial to the film, graphic, studio and AP art student as well as those interested in Marketing and Advertising. *\*Suggested additional coursework for Studio and AP Art students*

## MATHEMATICS DEPARTMENT

Our mathematics program offers courses ranging from Algebra I to Advanced Placement Statistics and Advanced Placement Calculus. Our math courses are aligned to the NJ State Learning Standards and provide a comprehensive curriculum in each subject area. Within the math department, we offer a series of computer science courses which provide programming opportunities at different levels, culminating in AP Computer Science.

### 0302 ALGEBRA I ^

#### Grade 9

*Prerequisite:* 80 or better in 8th Grade Math, Passing Grade on 8th Grade Math NJSLA assessment.

Algebra 1 is a one-semester course designed for the competent mathematics student. Students will be expected to demonstrate proficiency in solving complex equations and inequalities; in graphing linear, quadratic, absolute value, and exponential functions; and in application of skills by solving real-life problems. This course includes targeted instruction to help students pass the required NJ SLA Algebra 1 exam required for graduation. This course will also provide students with the foundation needed for Geometry and Algebra 2.

### 0304 ALGEBRA I (FULL YEAR COURSE) ^

*Prerequisite:* Placement with math department recommendation

#### Grades 9-10

Algebra 1 (Full year) is a two-semester course designed to introduce formal Algebra 1 skills and concepts at a full year pace and with a wide variety of strategies. This course will introduce real world applications and projects to apply to the Algebra material. Through this approach, students will be expected to demonstrate proficiency in solving equations and inequalities; in graphing linear, quadratic, absolute value, and exponential functions; and in application of skills by solving real-life problems. This course includes targeted instruction to help students pass the required NJ SLA Algebra 1 exam required for graduation. This course will provide students with a foundation for future math courses.

### 0312 HONORS GEOMETRY ^

#### Grades 9-10

*Prerequisite:* 90 or better in Algebra 1 and Math Department recommendation.

Honors Geometry is a rigorous course designed for the highly motivated advanced math student. Students will be expected to use logical reasoning in order to master the use of proofs. Students will make use of terms such as points, lines and planes in order to solve advanced geometry problems; apply previously learned algebraic skills to problems involving polygons, circles, congruency, similarity, volume and surface area; and use reflections, rotations, translations and dilations to transform objects on the coordinate plane.

### 0314 GEOMETRY ^

#### Grades 9-12

*Prerequisite:* Algebra 1

In this course, students will be introduced to logical reasoning in order to understand the use of proofs. Students will make use of terms such as points, lines and planes in order to solve geometry problems; apply previously learned algebraic skills to problems involving polygons, circles, congruency, similarity, volume and surface area; and use reflections, rotations, translations and dilations to transform objects on the coordinate plane.

### 0322 HONORS ALGEBRA 2 & TRIGONOMETRY ^ 0322S STEM ALGEBRA 2 & TRIG ^

#### Grades 9-12

*Prerequisite:* 85 or better in Honors Geometry or 90 or better in Geometry, Math Department recommendation

Honors Algebra II/Trigonometry is a rigorous course designed for the highly motivated advanced math student. Students will be expected to show mastery in advanced algebra skills and concepts including linear, quadratic, polynomial, power, exponential, logarithmic and rational equations and functions. Additional topics include sequences, and series and probability. This course will provide each student with a challenging and intensive program in Algebra II & Trigonometry leading to higher levels of advanced mathematics

#### 0324 ALGEBRA 2 ^

*Grades 9-12*

*Prerequisite: 80 or better in Geometry and Algebra 1*

Algebra 2 is designed for the college bound student. Students will be expected to show proficiency in algebra skills and concepts including linear, quadratic, polynomial, power, exponential, logarithmic and rational equations and functions. Additional topics include sequences, and series and probability. This course will provide students with the foundation in algebra necessary for further study of mathematics.

#### 0357 COMPUTER SCIENCE 1+

*Grades 9-12*

This course introduces students to computer programming and Python. Python is currently one of the most common program languages. This course is the first course in a sequence of progressive computer language courses offered at JMHS and JLHS. This course lays the groundwork for students to eventually study Object Orientated Programming (OOP) languages such as JAVA. Topics include object-orientated concepts, procedures and functions, iteration, arrays and vectors, strings, algorithms, exceptions and graphical user interfaces. Students will also have the opportunity to further explore graphics with game programming and programming for web-based applications.

#### 0358 COMPUTER SCIENCE 2+

*Grades 9-12*

*Prerequisite: 80 or better in Computer Science I.*

This course is designed to introduce students to the fundamental concepts involved in programming computers using an industry-standard computer language, JAVA. The course emphasizes problem solving through the development of algorithms. The sequential steps are then coded as control statements and functions, which lead to meaningful results. Students will design, run and edit programs using the computer. The history of computers and social and ethical implications of computer usage are also addressed. This is the prerequisite for AP Computer Science A.

## MUSIC DEPARTMENT

The Music Department offers students experiences in instrumental and vocal music. Instruction is provided on an individual, small group, and large group basis. To complement the classroom instructional phase of the program, students are required to participate in marching and concert band or the choir. Special ensembles, both vocal and instrumental, are formed based upon student interest and ability and require an audition. Advanced classes are available for students in Music Theory.

1052 JLHS BAND 1 @ (Grade 9)      1052A JMHS BAND 1 @ (Grade 9-10)

(Placement by audition/interview) or JAA Academy Student

During the first part of the year, students perform with the marching band at football games, parades, competitions and at other scheduled performances. At the conclusion of football season, the ensemble will perform in major concerts as a mandatory requirement of the course. Band I is a full year course designed to develop the skills of performance and to broaden the students' knowledge and appreciation of different styles of music. This class is offered to all students in grades 9 – 12 based upon their proficiency in playing an instrument as determined at audition. *Attendance and performance in major concerts as well as in-school vocal lessons/sectionals are a mandatory requirement of this course. This ensemble also performs for school and community functions. For JAA Academy Strand Students: Attendance and performance in concerts, performances and exhibits as well as in-school collaborations/projects/sectionals are a requirement of this course; these sessions occur during the school day, after school and/or in the evening. This strand also performs and/or exhibits for school and community functions. Students enrolled in the JAA Academy participate in Master Experiences, Residency Experiences, and required Ensemble Production Experiences for their strand.*

1053 JLHS PERCUSSION 1 @ (Grade 9)      1053A JMHS PERCUSSION 1 @ (Grade 9-10)

(Placement by audition/interview) or JAA Academy Student

In this course, during the first part of the year, students will perform with the marching band at football games, parades, competitions and at other scheduled performances. After football season, the class will perform in major concerts as a mandatory requirement of this course. Students will learn basic drum rudiments and be instructed in the different techniques for sticking, mallets, and auxiliary percussion such as timpani, chimes and cymbals. Students will learn how to read literature designed for concert and marching band. *Attendance and performance in major concerts as well as in-school vocal lessons/sectionals are a mandatory requirement of this course. This ensemble also performs for school and community functions. For JAA Academy Strand Students: Attendance and performance in concerts, performances and exhibits as well as in-school collaborations/projects/sectionals are a requirement of this course; these sessions occur during the school day, after school and/or in the evening. This strand also performs and/or exhibits for school and community functions. Students enrolled in the JAA Academy participate in Master Experiences, Residency Experiences, and required Ensemble Production Experiences for their strand.*

## 1057 CHOIR @

*Grades: 9-12*

Choir is designed for 9-12 grade students who wish to join the high school chorus.

or JAA Academy Student

Students with no prior experience are welcome. The course provides students with fundamentals of ensemble singing. Students will learn healthy singing habits, basic music reading, skills in tone production, choral diction, and rehearsal and performance skills. The chorus will perform patriotic songs, spirituals, anthems, folk songs, musicals and contemporary compositions. *Attendance and performance in major concerts are a mandatory requirement of this course. This ensemble also performs for school and community functions. This ensemble also performs for school and community functions. For JAA Academy Strand Students: Attendance and performance in concerts, performances and exhibits as well as in-school collaborations/projects/sectionals are a requirement of this course; these sessions occur during the school day, after school and/or in the evening. This strand also performs and/or exhibits for school and community functions. Students enrolled in the JAA Academy participate in Master Experiences, Residency Experiences, and required Ensemble Production Experiences for their strand.*

## 1058 CONCERT CHOIR @

*Grades: 9-12*

Prerequisite: Placement by audition or JAA Academy Student

Concert Choir is open to students who have prior advanced singing experience. The course is a requirement for all vocal music students enrolled in the Academy of the Arts. The course meets on alternate days for a full year. The ensemble enables students to build on a strong pedagogical foundation as they continue to expand and refine vocal, choral, and musical skills that will enable them to function as independent musicians. The repertoire includes (but is not limited to) madrigals, motets, sacred literature, classical music, patriotic songs, spirituals, folk songs, show tunes, mainstream jazz, contemporary music and classic American songs. *Attendance and performance in major concerts as well as in-school vocal lessons/sectionals are a mandatory requirement of this course. This ensemble also performs for school and community functions. This ensemble also performs for school and community functions. For JAA Academy Strand Students: Attendance and performance in concerts, performances and exhibits as well as in-school collaborations/projects/sectionals are a requirement of this course; these sessions occur during the school day, after school and/or in the evening. This strand also performs and/or exhibits for school and community functions. Students enrolled in the JAA Academy participate in Master Experiences, Residency Experiences, and required Ensemble Production Experiences for their strand.*

## 1060 PIANO LAB

*Grades: 9-12*

Piano Lab is a semester course designed for beginning level piano students but is open to students of all ability levels. Students will learn and practice the fundamentals of piano playing including proper piano technique, reading music, left and right hand independence, eye-hand coordination, and performance skills. The lab is equipped with electronic keyboards and headphones. Keyboards are available after school for students to practice.



## 1061 MUSIC THEORY 1 @

*Grades 9-12*

This course is open to all students who have an interest and passion for music. They will be introduced to basics of music including rhythm, melody, harmony, structure and form. Students will also have the opportunity to listen and study different periods of music.

## PHYSICAL EDUCATION / HEALTH DEPARTMENT

### 0700 PHYSICAL EDUCATION/HLTH 9      0702 PHYSICAL EDUCATION/HLTH 9 (FY)

*Grade 9*

The freshman course emphasizes team sport strategies with emphasis on individual skill development. Through skill instruction, students are readied for modified game situations which lead to strategy and techniques in regulation game play. Rules and safety are emphasized.

\* Health 9 - Values clarification, decision-making skills, problem solving, and healthy interpersonal relationships with peers and family are emphasized. Exploration of masculinity and femininity and their roles will be discussed. Puberty and emotional growth will be explored, emphasizing both physical and psychological changes in both sexes. Human reproduction topics will include abstinence, responsible sexual behavior, pregnancy facts, and sexually transmitted infections including HIV/AIDS

## SCIENCE DEPARTMENT

Our science program is designed to provide every student with the necessary science skills and abilities to understand his/her environment. Fundamental through Advanced Placement instruction is offered.

### 0410 HONORS BIOLOGY ^

*Grades 9 –10*

Prerequisite: "90" in 8<sup>th</sup> grade science, a score of advanced proficient on NJASK 8 Science and teacher recommendation.

An accelerated course in biology has been designed for the advanced, college bound student. The scope and sequence of this course leads to the mastery of concepts including cells, biochemistry, genetics, ecology, theory of evolution and human biology. Hands on laboratory work will be integrated into all areas of study.

### 0412 BIOLOGY ^

*Grades 9-10*

Prerequisite: 8th grade science

This college prep, lab-oriented course provides each student with the opportunity to investigate the vital life processes. The scope and sequence of this course explores concepts including cells, biochemistry, genetics, ecology, theory of evolution and human biology. "Hands on laboratory work will be integrated into all areas of study."

## **SOCIAL STUDIES DEPARTMENT**

The Social Studies Department offers students a variety of courses in history and the social sciences.

State law mandates that all students who will graduate from high school are required to complete three years of social studies with passing grades prior to graduation. This includes one year of World History and two years of United States History.

### **0500 HONORS WORLD HISTORY ^**

#### ***Grade 9***

Prerequisite: Teacher recommendation, grades, test scores.

This course is designed for highly motivated students. It emphasizes events which have shaped the contemporary world. Non-western and western history are addressed. Significant themes and events in history and the impact of each on the development of the world are discussed. The contributions of important people in history are included. Intellectual, cultural, political, economic and social history are integral components of the curriculum. Completion of a research component is required.

### **0500J HONORS WORLD HISTORY JAA STUDENTS ^**

#### ***Grade 9***

Prerequisite: Admission into JAA any strand

This is a cohort class and is designed for highly motivated students who have demonstrated talent in one of the fine or performing arts. It emphasizes events which have shaped the contemporary world. Non-western and western history are addressed. Significant themes and events in history and the impact of each on the development of the world are discussed. Students will examine important artists, musicians, and theatrical performances from different movements in the arts. History's effects on the arts and how art affected history will be studied. The contributions of important people in history are included. Intellectual, cultural, political, economic and social history are integral components of the curriculum. Completion of an end of semester portfolio project is required.

### **0501 AP WORLD HISTORY ^**

#### ***Grades 9 –12***

Co-requisite or prerequisite-Honors English

Prerequisites-Teacher recommendations (English and Social Studies), Demonstrate advanced writing and reading skills, and NJSLA/ PARCC Assessment may be considered

Advanced Placement World History is a challenging course for highly motivated, academic students who will take the AP examination in the spring semester. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary for success. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of documents and historiography. This course highlights events which have shaped the contemporary world. A chronological approach will be used to help facilitate learning. Non-western, as well as western history is addressed. Significant events and ideas in history and the impact of each upon the development of the modern world are discussed. Contributions of individuals and people in history are included. Cultural and social history, as well as political and economic history, are all integral parts of the curriculum. Students will be taught to analyze the processes and causes involved in the continuities and changes of the

world's history. A College Board approved textbook and many other supplemental documents and materials will serve as the basis of the course. Students are required to take the AP Examination in May.

#### 0502 WORLD HISTORY ^

##### *Grade 9*

World History is a social studies requirement for graduation. Significant themes and events from the Renaissance to WWII are explored, examined and discussed. The diversity of world cultures and their effects throughout the non-western and western world are addressed through the use of critical analysis.

## **TECHNOLOGY DEPARTMENT**

The Technology Department program provides both a theoretical and a practical approach to the study of technology as the means for producing a better man-made world. Particular attention will be paid to safety, use and care of hand tools and power tools and reading and working from a working drawing or sketch. The student will be given the opportunity to select a project and develop or expand on the design. With career orientation in all course offerings, students should develop job entry level skills. At the same time, course offerings will attempt to prepare college-bound students who wish to pursue future business pursuits. Safety will be taught and stressed in all technology courses.

#### 0601 PUBLICATION MANAGEMENT AND TECHNOLOGY +

##### *Grades 9-12*

This course is designed to teach students the fundamental skills necessary to manage and produce a yearbook. Students will develop their abilities in the areas of journalism, technology, and life skills. Emphasis will be placed on theme development including writing and research, page layout, and design. Students will carry out the approved sales techniques including participation in the ad design, sales process, and business procedures.

*Students with strong computer graphic skills (and those that have taken Graphics 1) are encouraged to consider this course as a means of demonstrating and applying techniques to the production of a publication. Occasional required labs will be held after school for yearbook publication preparation and deadline dates.*

#### 0602 TECHNOLOGY & PROBLEM SOLVING +

##### *Grades 9-12*

This course will introduce students to the many areas of technology which affect our everyday lives, as well as introduce the student to the concept of problem solving which we use in our day to day activities. Students will incorporate the problem solving concept, together with hands on experiences, to explore many areas, such as solar energy, aerospace design, transportation systems, aviation, design and engineering, and much more. Challenge yourself, as you learn and have fun.

#### 0608 COMPUTER AIDED DESIGN (CAD) +

##### *Grades 9-12*

This course is designed for students with an interest in engineering, architecture, interior design, or industrial design. Students will begin with basics of mechanical drawing and progress to using cutting edge software to design in both 2D and 3D. The course will introduce students to different drafting methods, the language of drafting, and the use of drafting software. It is recommended that students who enroll in CAD have strong math skills (minimum Algebra 1).

#### **0620 CONSTRUCTION AND WOOD TECHNOLOGY +**

*Grades 9-12*

Construction and Wood Technology is designed for students who have interest in technology and construction. The course will include an in depth study of planning and problem solving through the engagement in hands on construction activities. By utilizing various hand tools, power machines and finishing techniques, students will skillfully create unique project work. Throughout the course students will be developing skills such as product design, materials selection, materials processing, and general safety. These skills will prepare students to pursue career interests in construction, architecture, engineering and theatrical design.

#### **0645 DIGITAL MEDIA ACADEMY 101+**

*Grades 9-10*

Prerequisite: Enrolled in Digital Media Academy

This course is designed for students who wish to enter the Jackson of Digital Media Academy and study the art of digital film and television production. Students in this course will touch on elements from all three Academy career pathways including Digital Filmmaking & Scripted Television, Broadcast Television & Unscripted Entertainment and Cinematic Production & Design.

Included in the course is a basic introduction to digital film and television studio production, acting for the screen, scriptwriting and cinematic graphic design. The final project for all students that take this class will be an Academy Application Portfolio which, along with their grade in the class, will be used to apply for entry into the academy.

### **WORLD LANGUAGE DEPARTMENT**

The World Language Department offers courses with two goals: to communicate at a basic literacy level in a language other than English and to demonstrate an understanding of the interrelationship between language and culture. The program is designed to build language proficiency through a sequence of courses in French, German and Spanish. The graduating classes of 2021 & 2022 must earn ten credits in the sequential study of one language to be eligible for graduation. Students in the graduating class of 2023 and beyond must earn at least 5 credits in a world language. Students are strongly encouraged to complete as many years of a language sequence as possible for college preparation and to take the opportunity to study more than one language.

#### **0201 Honors Spanish I ^**

Prerequisite: Gr. 8 Advanced Spanish Class; final grades and test scores; must have Eighth grade teacher recommendation.

This is the first course in a multi course sequence designed for students who are ready to work at an accelerated pace in preparation for honor level studies in future years. During the first year, learners will be immersed in the speaking, listening and cultural significance of the Spanish language. The approach will be multi-skilled with particular emphasis on language immersion in speaking and listening. Online resources, websites, media, and technology components will be infused in all facets of teaching and learning.

#### 0200 Spanish I ^

During the first year of Spanish, students will learn and use the present tense, basic grammatical structures and a core vocabulary applicable to everyday life. Students are also made aware of various aspects of Hispanic civilization and culture through various media and technology components. The approach will be multi-skilled with particular emphasis on listening and speaking components of the Language.

#### 0202 Honors Spanish II ^

Prerequisite: Gr. 8 Advanced Spanish Class and proficiency on Honors Spanish 1 final; teacher recommendation; or Spanish 1 with a 93 GPA and must have teacher recommendation; and/or with a 93 on the Spanish 1H final.

At the second level, there is increased opportunity to practice the four language skills – listening, speaking, reading, and writing. Conversational and listening comprehension skills are developed through full immersion opportunities: classroom discussions, dialogues, videos, visuals, and active engagement. The rigor of the pacing and the immersion of the language application are enhanced through the use of multimedia applications, resources, websites, and technology. Writing remains a guided skill working toward original composition. Spanish culture, history, art and music continue to be integrated throughout the course in its application and evaluation.

#### 0204 Spanish II ^

*Prerequisite: Spanish 1; Honors Spanish 1*

During the second level of Spanish, students demonstrate greater fluency and improved pronunciation. Students show a greater ability to comprehend, speak, write and read Spanish that is presented in a more complex manner. They continue to master and implement present tense verbs in addition to learning the preterite form; intermediate grammatical concepts and additional core vocabulary. Increased emphasis is placed on reading and writing, but listening and speaking are still the primary concerns. Language infusion is implemented within this course.

#### 0219 HONORS FRENCH I^

Prerequisite: Teacher recommendation

This introductory course introduces the students to the three modes of communication: interpretive, interpersonal and presentational, as well as the culture related to the French language. It is designed for students who are ready to work at an accelerated pace in preparation for honors level studies in the future. Students will be immersed in the speaking, listening and cultural significance of the French language and its heritage. Online resources, websites, media, and technology components will be infused in all facets of teaching and

learning. Students should feel confident and comfortable in learning French as a second language.

#### 0218 FRENCH I ^

Students are introduced to the three modes of communication: interpretive, interpersonal and presentational, as well as the culture related to the French language. CDs, videos, DVDs, and computer activities are used for both cultural and language reinforcements. Students will have the opportunity to gain a new understanding of the history, geography and culture of the countries where French is spoken. Short homework assignments reinforce homework. Students should feel confident and comfortable in learning French as a second language.

#### 0281 ITALIAN I HONORS ^

Prerequisite: Teacher Recommendation

This introductory course introduces the students to the three modes of communication: interpretive, interpersonal and presentational, as well as the culture related to the Italian language. It is designed for students who are ready to work at an accelerated pace in preparation for honors level studies in the future. Students will be immersed in the speaking, listening and cultural significance of the Italian language and its heritage. Online resources, websites, media, and technology components will be infused in all facets of teaching and learning. Students should feel confident and comfortable in learning Italian as a second language.

#### 0280 ITALIAN I ^

Students are introduced to the three modes of communication: interpretive, interpersonal and presentational, as well as the culture related to the Italian language. CDs, videos, DVDs, and computer activities are used for both cultural and language reinforcements. Students will have the opportunity to gain a new understanding of the history, geography and culture of the countries where Italian is spoken. Students should feel confident and comfortable in learning Italian as a second language.

## **SPECIAL EDUCATION DEPARTMENT**

All Special Education courses (0900 numbers) are designed to fulfill students' Individualized Education Plans. The department offers programs such as in-class resource center, pull-out resource center, and specialized self-contained classes that also include the implementation of social and emotional, vocational, life , and workplace readiness skills. These offerings enable the students to be educated to the maximum extent appropriate, in the least restrictive environment.

#### 0908 English 1 FY

Grade 9

This course is designed to further develop the reading and writing skills necessary for success at the high school level. English I includes a thorough study of both nonfiction and fiction and a review of advanced grammatical skills. Expository, argumentative and narrative writing techniques are emphasized and particular emphasis is placed on the process of writing a research synthesis essay. The study of vocabulary is included on a regular basis. The

literature portion of the course includes the analysis of various genres including: poetry, novels, epic, short stories, dramas, and nonfiction. Students are required to read independently and to complete several outside reading assignments. Additionally, summer reading and a semester long authentic research project are required. Students will actively participate in the research process and will use and evaluate various sources of information to develop a thesis statement. Students will use technology to enhance reading and writing skills, to communicate, and to acquire useful information.

#### 0970A ESSENTIALS of ENGLISH

#### 0970B ESSENTIALS of ENGLISH

This is an intensive reading and writing intervention program designed to support students whose reading achievement is below grade level. The program directly addresses individual needs through adaptive and instructional software, high-interest reading material and literature, and direct instruction in reading & writing skills.

#### 0913 ALGEBRA I PART 1

#### 0914 ALGEBRA I PART 2

These courses are designed to follow the NJ Student Learning Standards. The students will learn Algebra concepts in a variety of modalities including real world applications, problem solving and conceptual concepts. This course is designed to provide a strong foundation of Algebra skills that will be necessary to complete future math courses.

#### 0935 BIOLOGY

Biology is designed to meet the needs of the students as outlined in the New Jersey Student Learning Standards: Science. In order to create a scientifically literate citizen of the future, the goal of this course is to assess students knowledge, understanding, and application of Biology concepts within a laboratory setting modeling fundamental science skills. Concepts addressed include a fundamental basis in life science beginning with the smallest unit of life the cell branching into the study of heredity and genetic traits, ecosystems, and eventually following with natural selection and the theory of evolution on our planet Earth.

#### 0940 WORLD HISTORY

This course is designed to follow the NJ Student Learning Standards. Important themes and events in the world are explored in a structured, small group setting. Students will survey information commencing with the Renaissance to WW II.

#### 0950 SPANISH I

##### *Grades 9-12*

Prerequisite: Child Study Team, Guidance Counselor, and/or Staff Recommendation.

This introductory course places emphasis on the development of listening and speaking skills. The course is divided into thematic units which are presented through the use of videos, texts, computer programs, and audio visual aids. Reinforcement is achieved by cooperative student interaction, technology and cross-curricular activities.

## 0951 SPANISH II

*Grades 10-12*

Prerequisite: Child Study Team, Guidance Counselor, and/or Staff Recommendation

This course is designed for the student who has satisfactorily completed Spanish I. Continued development of speaking and listening skills the primary objective. Thematic units are presented in the same manner as the level I course. Cultural appreciation continues to be emphasized.

## Smart Program

The specialized multiple disability academic and related therapies cognitive impaired program is designed to assist students with mild to moderate cognitive and multiple disabilities. The program is designed to develop the academic, social and emotional, vocational, life and rehabilitative therapy needs of these students.

0972 Smart English

0973 Smart Math

0974 Smart Science

0975 Smart Social Studies

0976 Smart Home Economics

## TRANSITION PROGRAM

The Transition Program is a modified self contained program for students with mild to moderate learning and cognitive disabilities who require a self contained program; Modified instruction in English, Math, Science and Social Studies is offered along with a strong emphasis on social and emotional development.

0962 TRANSITION ENGLISH 9-10

0963 TRANSITION SCIENCE 9-10

0964 TRANSITION MATH 9-10

0965 TRANSITION SOCIAL STUDIES 9-10

0966 TRANSITION APPLIED DESIGN

0961 TRANSITION WORKPLACE READINESS

0968 TRANSITION HOME ECONOMICS

0992 TRANSITION LIFE SKILLS

## 0960 & 0960A DEVELOPMENTAL

### PHYSICAL EDUCATION

The course is a program designed for the student in need of adaptive physical education.



## SOLVE PROGRAM

The SOLVE Program is a specialized self-contained program designed to enhance the ability of students with emotional and behavior related disabilities to behave appropriately in the least restrictive environment by developing their social skills, life skills, vocational skills, and emotional regulation and coping skills.

0981 SOLVE ENGLISH

0991 SOLVE LIFE SKILLS

0983 SOLVE PHYSICAL EDUCATION/HEALTH

0984 SOLVE SOCIAL STUDIES

0985 SOLVE MATH

0986 SOLVE SCIENCE

0982 SOLVE WORKPLACE READINESS