



IRVING INDEPENDENT SCHOOL DISTRICT

MIDDLE SCHOOL COURSEBOOK

2021 - 2022



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Middle School Course Information

How to Use This Guide

This course description guide is provided for the convenience of parents and students in understanding courses offered in middle school. Each course is listed by content area. A description of the course is provided along with the grade level, prerequisite (PR) if any, along with a description of the course.

The state of Texas has described the required curriculum for middle school grade students as follows:

- English language arts,
- mathematics,
- science,
- social studies,
- fine arts-at least one course out of the four disciplines (art, dance, music, theater),
- health and physical education,
- technology applications,
- and to the extent possible, languages other than English

Department of Career and Technical Education (CTE)

Public Notification of Nondiscrimination in CTE Programs

It is the policy of Irving I.S.D. not to discriminate on the basis of race, color, national origin, gender or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; Section 503 and 504 of the Rehabilitation Act of 1973; as amended. Irving I.S.D. will take steps to ensure that lack of English language skills will not be a barrier to admission and participation in all educational programs and services. Irving Independent School District offers the following Career and Technical Education programs: Agriculture, Food & Natural Resources; Architecture & Construction; Arts, A/V Technology & Communications; Business, Management & Administration; Education & Training; Government & Public Administration; Health Science; Hospitality & Tourism; Human Services; Information Technology; Law, Public Safety, Corrections & Security; Manufacturing; Marketing, Sales & Service; Science, Technology, Engineering & Mathematics; and, Transportation, Distribution & Logistics. Admission to these programs is based on interest, age appropriateness and class space availability.

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English Language Arts

English Language Arts Reading 6

Grade: 6

Students in English Language Arts and Reading courses experience a balanced literacy classroom with wide and deep daily reading and writing, as well as academic conversations with their peers. Students read and understand a wide variety of literary and informational texts. Students compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail. Students are expected to engage in research to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information. Students are also expected to listen and speak as well as respond to the ideas of others while contributing their own ideas in conversations and in groups. Students are expected to read and write on a daily basis while experiencing a range of genres. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts Reading 6 Honors

Grade: 6

Students are expected to read and write beyond the scope of the general education ELAR course in depth and rigor. This course offers material to challenge and encourage the students' independent, critical, and creative thinking skills. Students are encouraged to continue in Honors throughout high school in preparation for AP Language and AP Literature courses. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts Reading 6 ESL

Grade: 6

English as a Second Language (ESL) is an English proficiency language study program for non-native speakers in their first or second year in a U.S. school. The goal of an ESL program is to improve students' levels of English. ESL classes teach different language skills, depending on students' English abilities and needs. The focus is on accelerated language acquisition in the domains of listening, speaking, reading and writing skills. This course teaches students conversational English, grammar, reading, listening comprehension, writing and vocabulary. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts/Humanities 6 Honors GT

Grade: 6 PR: Qualified for GT Services in ELAR

Students in 6th grade GT English Language Arts and Humanities study culture and people through various literature genres and non-fiction studies. Students analyze the arc of civilization and its impact across the globe while learning and strengthening reading, writing, grammar, vocabulary, listening, and speaking skills through interdisciplinary, independent study and uncovering patterns and trends in ancient art, music, and architecture that have influenced the modern world. The course of study starts with western empires such as Rome, Greece, and Egypt and moves to eastern empires such as Mesopotamia and China. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts Reading 7

Grade: 7

Students in English Language Arts and Reading courses experience a balanced literacy classroom with wide and deep daily reading and writing, as well as academic conversations with their peers. Students read and understand a wide variety of literary and informational texts. Students compose a variety of written texts with a clear thesis, coherent organization, and sufficient detail, especially focusing on the informational and argumentative essays. Students are expected to engage in research to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information. Students are also expected to listen and speak as well as respond to the ideas of others while contributing their own ideas in conversations and in groups. Students should read and write on a daily basis experiencing a range of genres. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts Reading 7 Honors

Grade: 7

Students are expected to read and write beyond the scope of the general education ELAR course in depth and rigor. This course offers material to challenge and encourage the students' independent, critical, and creative thinking skills. Students are encouraged to continue in Honors throughout high school in preparation for AP Language and AP Literature courses. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts Reading 7 ESL

Grade: 7

English as a Second Language (ESL) is an English language study program for non-native speakers in their first or second year in a U.S. school. The goal of an ESL program is to improve students' proficiency levels of English. ESL classes teach different language skills, depending on students' English abilities and needs. The focus is on accelerated language acquisition in the domains of listening, speaking, reading and writing skills. This course teaches students conversational English, grammar, reading, listening comprehension, writing and vocabulary. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts/Humanities 7 Honors GT

Grade: 7 PR: Qualified for GT Services in ELAR

Students in 7th grade GT English Language Arts and Humanities study culture and its people through various literature genres and non-fiction studies. Students analyze the culture of the African Kingdoms, Persian culture and science, and colonialism across the world. Through reading, writing, grammar, vocabulary, listening, speaking and independent study, students will begin to define how traditions and myths shape the reality of a civilization while also focusing on the English Language Arts and Reading standards. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts Reading 8

Grade: 8

Students in English Language Arts and Reading Courses experience a balanced literacy classroom with wide and deep daily reading and writing, as well as academic conversations with their peers. Students read and understand a wide variety of literary and informational texts. Students compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail. Students are expected to engage in research to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information. Students are also expected to listen and speak as well as respond to the ideas of others while contributing their own ideas in conversations and in groups. Students are expected to read and write on a daily basis experiencing a range of genres. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts Reading 8 ESL

Grade: 8

English as a Second Language (ESL) is an English language study program for non-native speakers in their first or second year in a U.S. school. The goal of an ESL program is to improve students' proficiency levels of English. ESL classes teach different language skills, depending on students' English abilities and needs. The focus is on accelerated language acquisition in the domains of listening, speaking, reading and writing skills. This course teaches students conversational English, grammar, reading, listening comprehension, writing and vocabulary. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English Language Arts Reading 8 Honors

Grade: 8

Students are expected to read and write beyond the scope of the general education ELAR course in depth and rigor. This course offers material to challenge and encourage the students' independent, critical, and creative thinking skills. Students are encouraged to continue in Honors throughout high school in preparation for AP Language and AP Literature courses. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards.**

English 1/Humanities 8 Honors GT

Grade: 8 Credit: 1 HS Credit PR: Qualified for GT Services in ELAR

Students in 8th grade GT English Language Arts and Humanities (English 1) study culture and its people through various literature genres and non-fiction studies. The course of study connects modern works with ancient Greek culture introduced in sixth grade. Topics include influences of the Enlightenment, Renaissance, Romanticism, and the modern era on the evolution of the middle class and the civil rights movements through the themes of protest and passion. Reading, writing, grammar, vocabulary, listening, and speaking skills are strengthened through interdisciplinary study of philosophy, music, art, architecture, film, and independent study. **This course is designed and intended to be a double-blocked course to meet the needs of both reading and writing standards. Successful completion of this course earns one high school credit for English I.**

Multisensory Reading Instruction

Grade(s): 6-8

Students in Multisensory Reading Instruction will learn to become independent readers through a curriculum that encompasses the structure of the written English language and an instructional approach that incorporates a variety of senses in order to sustain enduring understanding. The curriculum areas of study include: language awareness, alphabet and dictionary skills, phonological awareness, reading, comprehension, spelling, cursive handwriting, and composition.

Mathematics

Math 6

Grade: 6

The primary focal areas in Grade 6 are number and operations; proportionality; expressions, equations, and relationships; and measurement and data. Students will use concepts of proportionality to explore, develop, and communicate mathematical relationships. An area of emphasis will be the development of algebraic thinking through representation of relationships including equations and inequalities. Students use appropriate statistics, representations of data, and reasoning to draw conclusions, evaluate arguments, and make recommendations. A personal financial literacy component will offer students the opportunity to apply problem solving and develop economic thinking.

Math 6 Honors

Grade: 6

Honors Math 6 includes the Math 6 curriculum and selected TEKS from the Math 7 curriculum. The pacing and organization of this course allows students to use investigations to develop their mathematical thinking skills. Class assignments and activities build on and expand higher level thinking skills of analysis, synthesis, evaluation, and integrate units that promote mathematical connections. Students are provided opportunities for extension and application of content and processes. This course will help prepare students to take Honors Math 7 in 7th grade.

Algebra Topics 6 Honors GT

Grade: 6 PR: Qualified for GT Services in Mathematics

The Algebra Topics curriculum is compacted to provide students the opportunity for beyond grade level skill development and the chance to develop the associated critical thinking skills. Students in this course will study Grades 7 and 8 Math TEKS. Algebra Topics is an advanced course designed to prepare students to take Algebra I in the 7th grade. **This course is designed and intended to be a double-blocked course to allow time to cover 2 years' worth of standards.**

Math 7

Grade: 7

The primary focal areas of seventh grade mathematics are number and operations; proportionality; expressions, equations, and relationships; and measurement and data. Students will apply operations with rational numbers to problem situations and continue to develop their understanding of proportionality. Emphasis will be placed on developing algebraic reasoning through the study of expressions, equations, and mathematical relationships. Students will communicate these relationships using verbal, graphic, numeric, and symbolic representations of equations and inequalities. Students will continue their study of statistics to include probability, making predictions and determining solutions to problems. Students will use appropriate statistics, representations of data, and reasoning to draw conclusions, evaluate arguments, and make recommendations. A personal financial literacy component will offer the opportunity for students to apply problem solving and develop economic thinking.

Math 7 Honors

Grade: 7

Honors Math 7 includes the Math 7 TEKS not covered in Grade 6, and Math Grade 8 TEKS. The pacing and organization of this course allows students to use investigations to develop their mathematical thinking skills. Class assignments and activities build on and expand higher level thinking skills of analysis, synthesis, evaluation, and integrate units that promote mathematical connections. Students are provided opportunities for extension and application of content and processes. This course will help prepare students to take Honors Algebra I in 8th grade. **This course is designed and intended to be a double-blocked course to allow time to cover 2 years' worth of standards.**

Algebra 1 Honors GT

Grade: 7 Credit: 1 PR: 8th Grade Math or Equivalent and Qualified for GT Services in Mathematics

In Algebra 1, students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will make connections between various mathematical topics in both mathematical and real-world situations. Technology will be used to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. Honors Algebra I will include a more in-depth study of the topics covered in Algebra I. A strong emphasis is placed on increasing the development of critical thinking and problem-solving skills.

Math 8

Grade: 8

The primary focal areas in eighth grade mathematics are proportionality; expressions, equations, relationships, and foundations of functions; and measurement and data. Students will extend the concepts of proportionality to analyze geometric relationships and determine proportional and non-proportional situations. Students connect verbal, numeric, graphic, and symbolic representations of relationships, including equations and inequalities. Students use concepts, algorithms, and properties of real numbers to explore mathematical relationships to describe increasingly complex situations. Students begin to develop an understanding of functional relationships. Areas of emphasis offer opportunities for students to use geometric properties and relationships, as well as spatial reasoning, to model and analyze situations, generalize procedures, and solve problems. Students use appropriate statistics, representations of data, and reasoning to draw conclusions, evaluate arguments, and make recommendations. A personal financial literacy component will offer the opportunity for students to apply problem solving and lay the foundation to become a knowledgeable consumer and investor.

Algebra I Honors

Grade: 8 Credit: 1 PR: 8th Grade Math or Equivalent

In addition to the scope of the general education algebra course, the Honors course offers material to additionally challenge and encourage the student's independent and creative thinking skills. Throughout the course the emphasis is on a higher sophistication and greater depth in all topics. Graphing technology is used as an integral part of instruction throughout this course.

Geometry 8 Honors GT

Grade: 8 Credit: 1 PR: Algebra I and Qualified for GT Services in Mathematics

In addition to the scope of the general education geometry course, the Honors course offers material to additionally challenge and encourage the student's independent, critical, and creative thinking skills. Throughout the course the emphasis is on a higher sophistication and greater depth in all topics. Graphing technology is used as an integral part of instruction throughout this course.

Science

Science 6

Grade: 6

Grade 6 science is interdisciplinary in nature; however, much of the content focus is on physical science. National standards in science are organized as multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6, 7, and 8. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scale.

Science 6 Honors

Grade: 6

Grade 6 science is interdisciplinary in nature; however, much of the content focus is on physical science. National standards in science are organized as multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6, 7, and 8. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scale. This course explores the same concepts in the general education course and uses Honors strategies with depth and complexity to ensure career and college readiness. Students are encouraged to continue in Honors throughout high school until enrollment is available in one or more AP science courses (AP Biology, AP Chemistry, AP Physics, AP Environmental Science).

Science 6 Honors GT

Grade: 6 PR: Qualified for GT Services in Science

Grade 6 GT blends physical, life, and earth and space science. This course teaches a combination of 6th, 7th, and 8th grade TEKS to accelerate a student. National standards in science are organized as multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6, 7, and 8. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scale. This course explores the same concepts in the general education course and uses Honors strategies with depth and complexity to ensure career and college readiness. Students are encouraged to continue in Honors GT courses throughout high school until enrollment is available in one or more AP science courses (AP Biology, AP Chemistry, AP Physics, AP Environmental Science).

Science 7

Grade: 7

Grade 7 science is interdisciplinary in nature; however, much of the content focus is on organisms and the environment. National standards in science are organized as a multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6, 7, and 8. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scale.

Science 7 Honors

Grade: 7

Grade 7 science is interdisciplinary in nature; however, much of the content focus is on organisms and the environment. National standards in science are organized as a multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6, 7, and 8. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scale. Students are encouraged to continue in Honors throughout high school until enrollment is available in one or more AP science courses (AP Biology, AP Chemistry, AP Physics, AP Environmental Science).

Science 7 Honors GT

Grade: 7 PR: Qualified for GT Services in Science

Grade 7 GT blends physical, life, and earth and space science. This course teaches a combination of 6th, 7th, and 8th grade TEKS to accelerate a student. National standards in science are organized as multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6, 7, and 8. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scale. This course explores the same concepts in the general education course and uses Honors strategies with depth and complexity to ensure career and college readiness. Students are encouraged to continue in Honors GT courses throughout high school until enrollment is available in one or more AP science courses (AP Biology, AP Chemistry, AP Physics, AP Environmental Science).

Science 8

Grade: 8

Grade 8 science is interdisciplinary in nature; however, much of the content focus is on earth and space science. National standards in science are organized as multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6, 7, and 8. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scale.

Science 8 Honors

Grade: 8

Grade 8 science is interdisciplinary in nature; however, much of the content focus is on earth and space science. National standards in science are organized as multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6, 7, and 8. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scale. This course explores the same concepts in the general education course and uses Honors strategies with depth and complexity to ensure career and college readiness. Students are encouraged to continue in Honors throughout high school until enrollment is available in one or more AP science courses (AP Biology, AP Chemistry, AP Physics, AP Environmental Science).

Biology 8 Honors GT

Grades: 8 Credit: 1 HS Credit PR: Qualified for GT Services in Science

In Biology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. This course explores the same concepts in the general education course and uses Honors strategies with depth and complexity to ensure career and college readiness. Students are encouraged to continue in Honors GT courses throughout high school until enrollment is available in one or more AP science courses (AP Biology, AP Chemistry, AP Physics, AP Environmental Science).

Social Studies

Social Studies 6

Grade: 6

This course is a study of people and places in the contemporary world. Students identify the geographic characteristics of regions/societies and describe the economic and government systems of these regions/societies. The students will use this information to explain and compare cultures of the past and present.

Social Studies 6 Dual (Travis & Houston MS)

Grade: 6

This course is a study of people and places in the contemporary world. Students identify the geographic characteristics of regions/societies and describe the economic and government systems of these regions/societies. The students will use this information to explain and compare cultures of the past and present. This course is taught **in Spanish** and is only offered at Travis and Houston Middle School.

Social Studies 6 Honors

Grade: 6

Honors Social Studies 6 includes the basic understanding of Social Studies 6 curriculum with added rigor, depth, use of instructional thinking skills and global connections, and expectations of sophistication in student learning. The intent of this course is to lead to future participation in one or more of the following Advanced Placement Social Studies courses: Human Geography, World History, U.S. History, Government, Economics, Psychology, or European History.

Social Studies 7

Grade: 7

This course involves a detailed study of Texas from the period of discovery and exploration through the twenty-first century. The study of the building of our state will not only stress historical facts but also promote an appreciation of the cultural heritage and geographic diversities, which have shaped the destiny of Texas.

Social Studies 7 Dual (Travis & Houston MS)

Grade: 7

This course involves a detailed study of Texas from the period of discovery and exploration through the twenty-first century. The study of the building of our state will not only stress historical facts but also promote an appreciation of the cultural heritage and geographic diversities, which have shaped the destiny of Texas. This course is taught **in Spanish** and is only offered at Travis & Houston Middle School.

Social Studies 7 Honors

Grade: 7

Honors Social Studies 7 includes the basic understanding of the Social Studies 7 curriculum with added rigor, depth, use of historical thinking skills, global connections, and expectations of sophistication in student learning. The intent of this course is to lead to future participation in one or more of the following Advanced Placement Social Studies courses: Human Geography, World History, U.S. History, Government, Economics, Psychology, or European History.

Social Studies 8

Grade: 8

This course covers the beginning of America through the era of Reconstruction. Students will be introduced to the social, cultural, political, geographic, and economic happenings which shaped early America. Studies will focus on contributions of various early groups and the basic elements of United States citizenship, including introduction to the Constitution, the structure and function of our national government, and the implications of the Bill of Rights.

Social Studies 8 Honors

Grade: 8

Honors Social Studies 8 includes the basic understanding of Social Studies, Grade 8 curriculum with added rigor, depth, use of historical thinking skills, global connections, and expectations of sophistication in student learning. The intent of this course is to lead to future participation in one or more of the following Advanced Placement Social Studies courses: Human Geography, World History, U.S. History, Government, Economics, Psychology, or European History.

AVID

AVID

Grades: 6, 7, 8

PR: AVID Site Team Approval

AVID (Advancement Via Individual Determination) is offered as an elective course that prepares students for admission to and success in four-year colleges. This curriculum emphasizes analytical writing, critical questioning, collaboration, note taking, and reading to learn. Students wishing to take this course must apply and be approved by the campus AVID Site Team.

Health/Physical Education

Health/Physical Education 6-8

Grades: 6, 7, 8

The middle school health/physical education program's primary purpose is to equip students with the knowledge, attitudes, and skills needed to lead a healthy, physically active, and productive lifestyle. Students will have the opportunity to develop confidence and competence in a variety of team, individual, and dual physical activities, as well as how to maintain personal fitness and understand why it is important. Other health topics related to primary prevention strategies are also built in to this course, and emphasis is placed on the importance of taking responsibility for one's own health. Topics covered include alcohol, tobacco and other drugs, nutrition, human sexuality education, stress, mental/emotional/social health, risky behavior, body systems, and hygiene. Active participation and positive social interaction is always encouraged and expected.

Pre-Athletics

Grade 6

This course is designed for boys and girls who anticipate participating in extracurricular sports activities in the 7th grade year. The purpose of this course is to introduce students to the fundamentals of team sports that include skills, rules, game strategy, and overall physical fitness. Skills and techniques for the sports of volleyball, football, and basketball will be emphasized. This course will follow all requirements established for Physical Education by the state of Texas.

Spanish

District Criteria: Students will be placed into a language class based on readiness as determined by a district placement instrument.

Spanish 1

Grade: 7 Credits:1 PR: None

Level I introduces the beginning foreign language student to the basic reading, speaking, and writing skills and concepts necessary for communication in daily situations. Pronunciation skills will be developed through the accurate reproduction of native sounds.

Spanish 2

Grade: 7, 8 Credit: 1 PR: Spanish I

Level II reviews the basic structures learned in Level I and continues with additional structures, expressions, and vocabulary. Listening and speaking skills will be further developed. Conversation in different social situations will be stressed through creative oral activities.

Spanish 3 Honors

Grade: 7, 8 Credit: 1 PR: Spanish I & II or District Criteria (Placement Assessment)

On Level III, students are provided opportunities to comprehend native speakers in controlled situations, sustain conversation on familiar subjects, do intensive and extensive reading, and write original compositions. Activities are geared toward the development of higher level and critical thinking skills, which address a variety of learning styles.

AP Spanish Language Level IV

Grades: Only 8th graders Credit: 1 HS Credit PR: Spanish III or District Criteria (Placement Assessment)

AP Spanish Language emphasizes the use of Spanish for active communication and encompasses listening and speaking skills, reading comprehension, grammar, and composition. Course objectives help students to learn higher level to comprehend formal and informal spoken Spanish as well as accurate reading of newspaper and magazine articles and synthesis of several sources. Students will be required to take the AP exam.

Spanish Dual Level 3A Grades: 7 Credit: 1 PR: In Dual Language Program (Travis & Houston MS)

During the third year of study, students are provided opportunities to comprehend native speakers in controlled situations, sustain conversation on familiar subjects, do intensive and extensive reading, and write original compositions. Activities are geared toward the development of higher level and critical thinking skills which address a variety of learning styles in preparation for AP Spanish.

Spanish Dual Level 3 Honors

Grade: 7 Prerequisite: Spanish 3A Dual Language (Travis & Houston MS)

This course is specifically designed for dual language students. This course will apply the skills of comprehension in both listening and reading activities. Students will also utilize their knowledge of the language in conversation and writing activities on selected topics. Because the cultures of the countries in which the language is spoken contribute to its history and development, their study will also be a major focal point. This course prepares students for success in AP Spanish Language.

Visual Arts

Beginning Art

Grades: 6, 7, 8

Beginning Art is a yearlong course where students will explore the elements and principles of art as they create original works of art. Students will learn the design basics as they draw, paint, sculpt and create works of art through manipulation of a wide variety of materials such as pencil, paper, watercolor, chalk, crayons, pastels, paint, clay, and yarn.

Intermediate Art

Grades: 7, 8 PR: Beginning Art

Intermediate Art is a yearlong course where students will develop design skills through the creation of original works of art. Students will use a variety of media such as pencil, paper, watercolor, chalk, crayons, pastels, paint, clay, and fibers.

Art Advanced 2D-3D

Grade: 8 PR: Instructor Approval, Beginning and Intermediate Art Recommended

Advanced Art 2D or 3D is a yearlong course where students will continue developing their design skills as they create original works of art. Students will build on the knowledge of the elements and principles of design. They will use a variety of materials such as pencil, paper, cardboard, watercolor, acrylic paint, tempera paint, crayons, chalk and oil pastels, clay and fibers.

Band

Beginner Band

Grades: 6

Beginner Band is a yearlong course designed to teach students the fundamentals of playing a band instrument (woodwind, brass or percussion) in like-instrument classes. This includes understanding and comprehending basic playing techniques, music reading, theory skills, concert etiquette, and general listening skills. Prior musical knowledge is not required to be enrolled in beginner band. Membership and instrument selection are determined by the director and student in the previous spring. Students will have required musical performances and additional rehearsals outside the school day throughout the year.

Sub Non-Varsity Band

Grades: 7, 8 PR: Instructor Approval

The Sub Non-Varsity Band is a yearlong course designed to be a continuation of learning fundamentals of a band instrument (woodwind, brass or percussion) in a concert band setting. Students will increase their understanding and comprehension of playing techniques, music reading and theory, concert etiquette, and listening skills. Students may have required musical performances (contest and concerts) and additional rehearsals outside the school day throughout the year. Students are encouraged to demonstrate and audition for placement into the advanced bands.

Non-Varsity Band

Grades: 7, 8 PR: Instructor Approval

The Non-Varsity Band is a yearlong course designed to be a continuation of learning fundamentals of a band instrument (woodwind, brass or percussion) in a full concert band setting. Students will increase their understanding and comprehension of playing techniques, music reading and theory, concert etiquette, and listening skills. Students will have required musical performances (UIL Contest, festivals, and concerts) and additional rehearsals outside the school day throughout the year. Students are encouraged to demonstrate improvement and audition for placement into the varsity level band.

Varsity Band

Grades: 7, 8 PR: Instructor Approval

Varsity Band is a yearlong course designed for the most advanced instrumental (woodwind, brass, & percussion) students in the program. Membership is by audition only. Students demonstrate a high level of proficiency on their instruments along with increased listening, reading, and theory skills. Students will have required musical performances (UIL Contest, festivals, and concerts) and additional rehearsals outside the school day throughout the year.

Orchestra

Beginner Orchestra

Grades: 6, 7, 8

Beginner Orchestra is a yearlong course designed to teach students the fundamentals of playing a string instrument (violin, viola, cello, and bass) in like-instrument classes. This includes understanding and comprehending basic playing techniques, music reading and theory, concert etiquette, and general listening skills. Prior musical knowledge is not required to be enrolled in beginner orchestra. Membership and instrument selection are determined by the director and student in the previous spring. Students will have required musical performances and additional rehearsals outside the school day throughout the year.

Sub Non-Varsity Orchestra

Grades: 6, 7 PR: Instructor Approval

Sub Non-Varsity Orchestra is a yearlong course designed to be a continuation of learning fundamentals of a string instrument (violin, viola, cello, and bass) in an orchestra setting. Students will increase their understanding and comprehension of playing techniques, music reading and theory, concert etiquette, and listening skills. Students may have required musical performances (contest and concerts) and additional rehearsals outside the school day throughout the year. Students are encouraged to demonstrate improvement and audition for placement into the advanced orchestras.

Non-Varsity Orchestra

Grades: 6, 7 PR: Instructor Approval

Non-Varsity Orchestra is a yearlong course designed to be a continuation of learning fundamentals of a string instrument (violin, viola, cello and bass) in an orchestra setting. Students will increase their understanding and comprehension of playing techniques, music reading and theory, concert etiquette, and listening skills. Students will have required musical performances (UIL Contest, festivals, and concerts) and additional rehearsals outside the school day throughout the year. Students are encouraged to demonstrate improvement and audition for placement into the varsity level orchestra.

Varsity Orchestra

Grades: 7, 8 PR: Instructor Approval

Varsity Orchestra is a yearlong course designed to be for the most advanced instrumental string students in the program. Membership is by audition only. Students demonstrate a higher level of proficiency on their instruments along with increased listening, reading, and theory skills. Students will have required musical performances (UIL Contest, festivals and concerts) and additional rehearsals outside the school day throughout the year.

Choir

Beginner Choir (Girls/Boys)

Grades: 6 PR: Instructor Approval

Beginning Choir is a yearlong course designed to teach students the fundamentals of singing. This includes understanding and comprehending basic vocal health and production, reading skills, music theory, concert etiquette, and general listening skills. Prior musical knowledge is not mandatory to be enrolled in choir. Students will have required musical performances and additional rehearsals outside the school day throughout the year.

Sub Non-Varsity Choir (Girls/Boys)

Grades: 7, 8 PR: Instructor Approval

The Sub Non-Varsity Choir is a yearlong course designed to be a continuation of learning the fundamentals of vocal production. Students will increase their understanding and comprehension of basic vocal health and production, reading skills, music theory, concert etiquette and general listening skills. Students may have required musical performances (contest and concerts) and additional rehearsals outside the school day throughout the year. Students are encouraged to demonstrate improvement and audition for placement into the advanced choirs.

Non-Varsity Choir (Girls/Boys)

Grades: 7, 8 PR: Instructor Approval

Non-Varsity Choir is a is a yearlong course designed to be a continuation of learning the fundamentals of vocal production. Students will increase their understanding and comprehension of basic vocal health and production, reading skills, music theory, concert etiquette and general listening skills. Students will have required musical performances (UIL Contest, festivals, and concerts) and additional rehearsals outside the school day throughout the year. Students are encouraged to demonstrate improvement and audition for placement into the varsity level choir.

Varsity Choir (Girls/Boys)

Grades: 7, 8 PR: Instructor Approval

Varsity Choir is a yearlong course designed for the most advanced vocalist in the program. Membership is by audition only. Students will demonstrate a high level of vocal proficiency along with increased listening, reading, and theory skills. Students will have required musical performances (UIL Contest, festivals and concerts) and additional rehearsals outside the school day throughout the year.

Theater Arts

Beginning Theater Arts 6

Grade: 6, 7, 8

This is a yearlong course designed to be an introduction to the basics of theater arts including the types of stages, stage areas, and audience etiquette. The student will explore creative movement, vocal and physical warm-ups, and sensory recall within one or more of the basic acting styles.

Intermediate Theater Arts 7

Grades: 7, 8 PR: Instructor Approval

This yearlong course allows the actor to develop and practice stage movement techniques consistently to express thoughts, feelings, and actions verbally and non-verbally; perform roles such as actor, director, designer or technician and collaborate with others to tell a story through live theater performance.

Advanced Theater Arts

Grade: 7, 8 PR: Instructor Approval

This is a yearlong course designed to allow the student to interpret characters using the voice and body expressively and create dramatizations and critique live performances through improvisation and scripted scenes. Students will experiment with technical elements of theater and research theatrical heritage in the United States and other cultures.

Athletics

All athletics must be approved by the coach.

Basketball Boys – 2nd semester

Basketball Girls – 2nd semester

Football – 1st and 2nd semester

Soccer – after school

Track Boys – after school

Track Girls – after school

Volleyball – 1st and 2nd semester

Electives

Broadcasting

Grade 6, 7

Do you want to learn all the in's and out's of broadcasting? This course covers subjects that are of interest to a middle school audience. Students in this course accurately compose stories to inform and encourage their audience. Student will use creativity to create and broadcast events and issues newsworthy to the viewership.

Yearbook

Grade 7, 8

This course helps students understand the roles and responsibilities of coverage in a campus sponsored yearbook. Students use copy, infographics, photos, art, and multimedia components. Students assist in the publication of the yearbook through determining what events and issues are newsworthy and creating page design, captions, and yearbook contents. Students learn leadership, teamwork, listening, and critical thinking skills.

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AUSTIN MIDDLE SCHOOL



8 th	<p>I Fly! Aviation [71911/2 IFLY 12700430]</p> <p>Credit: 1</p>	<p>I Fly! Aviation gives students the opportunity to discover careers in Aviation, Aviation Tech and Drone Engineering pathways. Students will learn to love airplanes and understand the knowledge and skills necessary to succeed in this high-demand industry. Students will participate in a variety of relevant and real-world scenarios, including the use of flight simulators and drones. Students will have a clear understanding of the 3 aviation pathways offered at the high school level</p>
8 th	<p>Think Tank [71971/2 THINKTANK 12701500]</p> <p>*Credit: 1</p>	<p>In Think Tank, students will gain the knowledge and skills needed to become an entrepreneur and an engineer. Students will learn the principles necessary to begin and operate a business. They will also learn about the engineering design process, sketching, and creating products. Students will develop a plan to create, organize, and promote their own business and/or design their own products and services. Students will learn about the 4-year pathway at Nimitz’s Signature Program of Environmental Engineering as well as the Marketing and Sales Program of Study (which is offered at Nimitz, MacArthur, and Irving)</p>
8 th	<p>Dollars and Sense [72024 DOLLARSE 13024300]</p> <p>*Credit: .5</p>	<p>In Dollars and Sense, students will learn personal financial management. Students will explore their personal options for lifestyle through simulations and look at options and outcomes of long-term investments. Projects, guest speakers and personal planning are all included in this course. Students will receive high school elective credit for this course. methods.</p>
7 th /8 th	<p>Ready to Teach [71854 RTEACH 12700420]</p> <p>Credit: .5</p>	<p>Ready to Teach! Provides students with an introduction to a teaching career. Coaching, teaching, and other educational career possibilities are explored through projects, observations, and field activities. Students will be provided with information on the 4-year Education pathway offered at the high school level.</p>
7 th /8 th	<p>Investigating Careers: Digital Product Innovations [71814 VER1 12700400]</p> <p>Investigating Careers: Immersive Media [72034 VER2 12740410]</p> <p>Investigating Careers: Artificial Intelligence and Coding [72044 VER3 12740420]</p> <p>Investigating Careers; Smart Solutions [72054 VER4 1274040]</p> <p>Credit: .5</p>	<p>Investigating Careers: Digital Product Innovations In this course students will learn 3D modeling techniques to use the 3D printers to create medical devices that improve health, custom jewelry and more.</p> <p>Investigating Careers: Immersive Media In this course students will learn to use the Augmented Reality (AR) and Virtual Reality (VR) devices in the lab to create an AR and VR experience that helps cities become sustainable.</p> <p>Investigating Careers: Artificial Intelligence and Coding Students will move beyond the basics of coding and begin to understand and create products that use Machine Learning and Artificial Intelligence.</p> <p>Investigating Careers; Smart Solutions Students will learn coding and electronic fundamentals to create wearable medical devices that reduce health problems, plus use coding and 3D Modeling solutions that will improve education and agriculture.</p>

BOWIE MIDDLE SCHOOL



8 th	Principles of Agriculture [71944 PRINAFNR 13000200] Credit: 1 (HS Credit)	Principles of Agriculture will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students will attain academic skills and knowledge in agriculture. To prepare for success, students will have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.
7 th /8 th	Coders [71834 CODERS 12700410] Credit: .5	Students in Coders will develop computer literacy skills in a fun and interactive course that will prepare them to adapt to emerging technologies and a future that will require many of the skills taught in the program. Coders will teach students a language and how the language is applied in the workplace. Students will implement personal and critical thinking skills to prepare for a rapidly evolving digital world.
8 th	Dollars & Sense [72024 DOLLARSE 13024300] *Credit: .5	In Dollars and Sense , students will learn personal financial management. Students will explore their personal options for lifestyle through simulations and look at options and outcomes of long-term investments. Projects, guest speakers and personal planning are all included in this course. Students will receive high school elective credit for this course.
8 th	Fashion Marketing [72014 FASHMKTG 13034300] *Credit: .5	Do you love fashion? Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and the many career opportunities in this industry. Projects for this course will provide students with the opportunity to design, create and sell fashion products. Students will receive high school elective credit for the course
7 th /8 th	Ready to Teach [71854 RTEACH 12700420] Credit: .5	Ready to Teach! Provides students with an introduction to a teaching career. Coaching, teaching, and other educational career possibilities are explored through projects, observations, and field activities. Students will be provided with information on the 4-year Education pathway offered at the high school level.

* Denotes students can earn high school credit

CROCKETT MIDDLE SCHOOL



8 th	Design Technology [71961/2 DESIGNTECH 12700410] *Credit: 1	Design Technology provides an overview to the various fields of architecture and interior design careers. Students will learn software design applications and apply their skills to projects. Students will receive information on the ACE Architecture, Construction, and Engineering pathways at MacArthur High, with emphasis on the Architecture pathway.
7 th /8 th	Coders [71834 CODERS 12700410] Credit: .5	Students in Coders will develop computer literacy skills in a fun and interactive course that will prepare them to adapt to emerging technologies and a future that will require many of the skills taught in the program. Coders will teach students a language and how the language is applied in the workplace. Students will implement personal and critical thinking skills to prepare for a rapidly evolving digital world.
8 th	Dollars & Sense [72024 DOLLARSE 13024300] *Credit: .5	In Dollars and Sense , students will learn personal financial management. Students will explore their personal options for lifestyle through simulations and look at options and outcomes of long-term investments. Projects, guest speakers and personal planning are all included in this course. Students will receive high school elective credit for this course.
8 th	Fashion Marketing [72014 FASHMKTG 13034300] *Credit: .5	Do you love fashion? Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and the many career opportunities in this industry. Projects for this course will provide students with the opportunity to design, create and sell fashion products. Students will receive high school elective credit for the course
7 th /8 th	Ready to Teach [71854 RTEACH 12700420] Credit: .5	Ready to Teach! Provides students with an introduction to a teaching career. Coaching, teaching, and other educational career possibilities are explored through projects, observations, and field activities. Students will be provided with information on the 4-year Education pathway offered at the high school level.
7 th /8 th	Intro to Arts/AV [71864 INTROAV 12700430] Credit: .5	LIGHTS, CAMERA, ACTION. Experience how filming, editing, and writing can be a career adventure, or a hobby! In Intro to Arts/AV students will learn the basics in how to properly film, edit, and give quality sound to videos in addition to writing scripts and creating their own masterpieces. Students will receive information about the 4-year pathway in Digital Communications and Graphic Design that are available at MacArthur, Nimitz and Irving High and explore careers related to this industry.

* Denotes students can earn high school credit

de ZAVALA MIDDLE SCHOOL



<p>8th</p>	<p>Science Discovery Lab [71951/2 DISCOV 12700410]</p> <p>Credit: 1</p>	<p>Biotechnology is emerging as one of the fast growing and dominant technologies of the 21st century. The Science Discovery Lab course will provide students with basic concepts and understanding of how biotechnology develops their creative thinking and kickstarts their ideas to find solutions for problems impacting humanity throughout the world. Projects and science labs will dominate this curriculum and students will be provided with information on the 4-year pathway in Biomedical Science at Irving High.</p>
<p>7th/8th</p>	<p>Coders [71834 CODERS 12700410]</p> <p>Credit: .5</p>	<p>Students in Coders will develop computer literacy skills in a fun and interactive course that will prepare them to adapt to emerging technologies and a future that will require many of the skills taught in the program. Coders will teach students a language and how the language is applied in the workplace. Students will implement personal and critical thinking skills to prepare for a rapidly evolving digital world.</p>
<p>8th</p>	<p>Dollars & Sense [72024 DOLLARSE 13024300]</p> <p>*Credit: .5</p>	<p>In Dollars and Sense, students will learn personal financial management. Students will explore their personal options for lifestyle through simulations and look at options and outcomes of long-term investments. Projects, guest speakers and personal planning are all included in this course. Students will receive high school elective credit for this course.</p>
<p>8th</p>	<p>Fashion Marketing [72014 FASHMKTG 13034300]</p> <p>*Credit: .5</p>	<p>Do you love fashion? Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and the many career opportunities in this industry. Projects for this course will provide students with the opportunity to design, create and sell fashion products. Students will receive high school elective credit for the course</p>
<p>7th/8th</p>	<p>Ready to Teach [71854 RTEACH 12700420]</p> <p>Credit: .5</p>	<p>Ready to Teach! Provides students with an introduction to a teaching career. Coaching, teaching, and other educational career possibilities are explored through projects, observations, and field activities. Students will be provided with information on the 4-year Education pathway offered at the high school level.</p>

* Denotes students can earn high school credit

HOUSTON MIDDLE SCHOOL



<p>8th</p>	<p>Build! [71961/2 BUILD 12700410]</p> <p>Credit: 1</p>	<p>Build! is intended to provide an introduction and lay a solid foundation for those students interested in construction or civil engineering careers. The course will provide information on the multitude of options for careers in the construction industry and will include application of hand and power tools, as well as other applications. This course is project-based, with field-based activities and guest speakers from industry. The course will introduce the 4-year pathways from the ACE, Architecture, Construction and Engineering program at MacArthur High School.</p>
<p>7th/8th</p>	<p>Coders [71834 CODERS 12700410]</p> <p>Credit: .5</p>	<p>Students in Coders will develop computer literacy skills in a fun and interactive course that will prepare them to adapt to emerging technologies and a future that will require many of the skills taught in the program. Coders will teach students a language and how the language is applied in the workplace. Students will implement personal and critical thinking skills to prepare for a rapidly evolving digital world.</p>
<p>8th</p>	<p>Dollars & Sense [72024 DOLLARSE 13024300]</p> <p>*Credit: .5</p>	<p>In Dollars and Sense, students will learn personal financial management. Students will explore their personal options for lifestyle through simulations and look at options and outcomes of long-term investments. Projects, guest speakers and personal planning are all included in this course. Students will receive high school elective credit for this course.</p>
<p>8th</p>	<p>Fashion Marketing [72014 FASHMKTG 13034300]</p> <p>*Credit: .5</p>	<p>Do you love fashion? Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and the many career opportunities in this industry. Projects for this course will provide students with the opportunity to design, create and sell fashion products. Students will receive high school elective credit for the course</p>
<p>7th/8th</p>	<p>Ready to Teach [71854 RTEACH 12700420]</p> <p>Credit: .5</p>	<p>Ready to Teach! Provides students with an introduction to a teaching career. Coaching, teaching, and other educational career possibilities are explored through projects, observations, and field activities. Students will be provided with information on the 4-year Education pathway offered at the high school level.</p>

* Denotes students can earn high school credit

JOHNSON MIDDLE SCHOOL



8 th	Principles of Agriculture [71944 PRINAFNR 13000200] *Credit: 1	Principles of Agriculture will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students will attain academic skills and knowledge in agriculture. To prepare for success, students will have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.
8 th	Think Tank [71971/2 THINK TANK 12701500] *Credit: 1	In Think Tank , students will gain the knowledge and skills needed to become an entrepreneur and an engineer. Students will learn the principles necessary to begin and operate a business. They will also learn about the engineering design process, sketching, and creating products. Students will develop a plan to create, organize, and promote their own business and/or design their own products and services. Students will learn about the 4-year pathway at Nimitz's Signature Program of Environmental Engineering as well as the Marketing and Sales Program of Study (which is offered at Nimitz, MacArthur, and Irving).
7 th /8 th	Sports & Entertainment Marketing [72004 SPORTSEM 13034600] Credit: .5 Ready to Teach [71854 RTEACH 12700420] Credit: .5	Do you love sports? How about concerts, movies, and events? Then Sports & Entertainment Marketing is for you! Not only will you earn high school elective credit, but you will also learn about the career options in these growing industries, which include sports management, stage crews, event planners and much more! Through this course, students will develop critical thinking skills related to promotion, design and development of entertainment venues and professional sporting events. Ready to Teach! Provides students with an introduction to a teaching career. Coaching, teaching, and other educational career possibilities are explored through projects, observations, and field activities. Students will be provided with information on the 4-year Education pathway offered at the high school level.
7 th /8 th	Investigating Careers: Digital Product Innovations [71814 VER1 12700400] Investigating Careers: Immersive Media [72034 VER2 12740410] Investigating Careers: Artificial Intelligence and Coding [72044 VER3 12740420] Investigating Careers; Smart Solutions [72054 VER4 1274040] Credit: .5	Investigating Careers: Digital Product Innovations In this course students will learn 3D modeling techniques to use the 3D printers to create medical devices that improve health, custom jewelry and more. Investigating Careers: Immersive Media In this course students will learn to use the Augmented Reality (AR) and Virtual Reality (VR) devices in the lab to create an AR and VR experience that helps cities become sustainable. Investigating Careers: Artificial Intelligence and Coding Students will move beyond the basics of coding and begin to understand and create products that use Machine Learning and Artificial Intelligence. Investigating Careers; Smart Solutions Students will learn coding and electronic fundamentals to create wearable medical devices that reduce health problems, plus use coding and 3D Modeling solutions that will improve education and agriculture.

* Denotes students can earn high school credit

LAMAR MIDDLE SCHOOL



8 th	Think Tank [71971/2 THINK TANK 12701500] *Credit: 1	In Think Tank , students will gain the knowledge and skills needed to become an entrepreneur and an engineer. Students will learn the principles necessary to begin and operate a business. They will also learn about the engineering design process, sketching, and creating products. Students will develop a plan to create, organize, and promote their own business and/or design their own products and services. Students will learn about the 4-year pathway at Nimitz's Signature Program of Environmental Engineering as well as the Marketing and Sales Program of Study (which is offered at Nimitz, MacArthur, and Irving)
7 th /8 th	Coders [71834 CODERS 12700410] Credit: .5	Students in Coders will develop computer literacy skills in a fun and interactive course that will prepare them to adapt to emerging technologies and a future that will require many of the skills taught in the program. Coders will teach students a language and how the language is applied in the workplace. Students will implement personal and critical thinking skills to prepare for a rapidly evolving digital world.
7 th /8 th	Intro to Arts/AV [71864 INTROAV 12700430] Credit: .5	LIGHTS, CAMERA, ACTION. Experience how filming, editing, and writing can be a career adventure, or a hobby! In Intro to Arts/AV students will learn the basics in how to properly film, edit, and give quality sound to videos in addition to writing scripts and creating their own masterpieces. Students will receive information about the 4-year pathway in Digital Communications and Graphic Design that are available at MacArthur, Nimitz and Irving High and explore careers related to this industry.
8 th	Dollars & Sense [72024 DOLLARSE 13024300] *Credit: .5	In Dollars and Sense , students will learn personal financial management. Students will explore their personal options for lifestyle through simulations and look at options and outcomes of long-term investments. Projects, guest speakers and personal planning are all included in this course. Students will receive high school elective credit for this course.
7 th /8 th	Ready to Teach [71854 RTEACH 12700420] Credit: .5	Ready to Teach! Provides students with an introduction to a teaching career. Coaching, teaching, and other educational career possibilities are explored through projects, observations, and field activities. Students will be provided with information on the 4-year Education pathway offered at the high school level.

* Denotes students can earn high school credit

TRAVIS MIDDLE SCHOOL



<p>8th</p>	<p>BIZ World [71981/2 BIZW 12700430]</p> <p>*Credit: 1</p>	<p>PREPARE TO LEAD! To prepare as a future leader, students will develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent managers, employees, and entrepreneurs. In BIZ World, students will incorporate a broad range of knowledge that includes legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions. Students will be provided information on the 4-year pathways available through the School of Business and Entrepreneurship at MacArthur High. Those pathways include: Business Management; Administrative Management; Retail Sales; Insurance Sales; Real Estate Marketing; Entrepreneurship and Wealth Management</p>
<p>8th</p>	<p>Fashion Marketing [72014 FASHMKTG 13034300]</p> <p>*Credit: .5</p>	<p>Do you love fashion? Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and the many career opportunities in this industry. Projects for this course will provide students with the opportunity to design, create and sell fashion products. Students will receive high school elective credit for the course</p>
<p>8th</p>	<p>Dollars and Sense [72024 DOLLARSE 13024300]</p> <p>Credit: .5 (HS Credit)</p>	<p>In Dollars and Sense, students will learn personal financial management. Students will explore their personal options for lifestyle through simulations and look at options and outcomes of long-term investments. Projects, guest speakers and personal planning are all included in this course. Students will receive high school elective credit for this course. methods.</p>
<p>7th/8th</p>	<p>Ready to Teach [71854 RTEACH 12700420]</p> <p>Credit: .5</p>	<p>Ready to Teach! Provides students with an introduction to a teaching career. Coaching, teaching, and other educational career possibilities are explored through projects, observations, and field activities. Students will be provided with information on the 4-year Education pathway offered at the high school level.</p>
<p>7th/8th</p>	<p>Investigating Careers: Digital Product Innovations [71814 VER1 12700400]</p> <p>Investigating Careers: Immersive Media [72034 VER2 12740410]</p> <p>Investigating Careers: Artificial Intelligence and Coding [72044 VER3 12740420]</p> <p>Investigating Careers; Smart Solutions [72054 VER4 1274040]</p> <p>Credit: .5</p>	<p>Investigating Careers: Digital Product Innovations In this course students will learn 3D modeling techniques to use the 3D printers to create medical devices that improve health, custom jewelry and more.</p> <p>Investigating Careers: Immersive Media In this course students will learn to use the Augmented Reality (AR) and Virtual Reality (VR) devices in the lab to create an AR and VR experience that helps cities become sustainable.</p> <p>Investigating Careers: Artificial Intelligence and Coding Students will move beyond the basics of coding and begin to understand and create products that use Machine Learning and Artificial Intelligence.</p> <p>Investigating Careers; Smart Solutions Students will learn coding and electronic fundamentals to create wearable medical devices that reduce health problems, plus use coding and 3D Modeling solutions that will improve education and agriculture.</p>

* Denotes students can earn high school credit

Irving ISD Recommended High School Course Sequence English 2018 & Beyond

8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
8th grade English	English I	English II	English III	English IV Research/Technical Writing (.5 credit) Creative Writing (.5 credit) Humanities I (.5 credit) College Preparatory Course ELA
8th grade English	English I	English II	English III Dual Credit	English IV Dual Credit
8th grade English Honors	English I Honors	English II Honors	AP English Language and Composition AP Seminar Capstone	AP English Literature and Composition AP Research Capstone
English 1 GT/Humanities	English II Honors	AP English Language and Composition AP Seminar Capstone	AP English Literature and Composition AP Seminar Capstone or AP Research Capstone	English V Genre Study AP Research Capstone

***All pre-requisites for AP science courses are based on the recommendations from TEA and College Board**

Irving ISD Recommended High School Course Sequence Math 2018 & Beyond

8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
8th grade Math	Algebra 1	Geometry	Math Models with Applications (MMA)	Algebraic Reasoning College Preparatory Course Mathematics
8th grade Math	Algebra 1	Geometry	Algebraic Reasoning	Algebra 2 Statistics College Preparatory Course Mathematics
8th grade Math	Algebra 1	Geometry	Algebra 2	Precalculus Statistics Independent Study: Elements of Precalc College Preparatory Course Mathematics
Algebra 1 Honors	Geometry Honors	Algebra 2 Honors	Precalculus Honors AP Statistics AP Computer Science A	AP Calculus AB or BC AP Statistics AP Computer Science A
Geometry Honors GT	Algebra 2 Honors GT	Precalculus Honors GT	AP Calculus AB or BC AP Statistics AP Computer Science A	AP Calculus BC AP Statistics AP Computer Science A

***All pre-requisites for AP science courses are based on the recommendations from TEA and College Board**

Irving ISD Recommended High School Course Sequence for Science 2018 & Beyond

8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
8th Grade Science	Biology	IPC	Chemistry Physics Environmental Systems	Physics Chemistry Environmental Systems Earth and Space Science
8th Grade Science	Biology	Chemistry	Physics	Physics Environmental Systems Earth and Space Science
8th Grade Science Honors	Biology Honors	Chemistry Honors AP Physics 1	Physics Honors AP Physics 1 AP Physics 2 AP Biology AP Chemistry AP Environmental Science	Physics Honors AP Physics 1 AP Physics 2 AP Physics C: Electricity & Magnetism AP Physics C: Mechanics AP Biology AP Chemistry AP Environmental Science
Biology GT	Chemistry GT	AP Physics 1 AP Physics 2 AP Biology AP Chemistry AP Environmental Science	AP Physics 1 AP Physics 2 AP Physics C: Electricity & Magnetism AP Physics C: Mechanics AP Biology AP Chemistry AP Environmental Science	AP Physics 2 AP Physics C: Electricity & Magnetism AP Physics C: Mechanics AP Biology AP Chemistry AP Environmental Science

***All pre-requisites for AP science courses are based on the recommendations from TEA and College Board**

Irving ISD Recommended High School Course Sequence Social Studies 2018 & Beyond

8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
8th Grade Social Studies	World Geography	World History	US History	US Government Economics
8th Grade Social Studies	World Geography	World History	US History Dual Credit	US Government Dual Credit Economics
8th Grade Social Studies Honors	World Geography Honors AP Human Geography	World History Honors AP World History	US History Dual Credit AP US History	US Government Dual Credit/ AP US Government AP Macroeconomics
8th Grade Social Studies Honors (GT students)	AP Human Geography	AP World History	AP US History	AP US Government AP Macroeconomics

***All pre-requisites for AP science courses are based on the recommendations from TEA and College Board**

Irving ISD Gifted and Talented Education 2018 & Beyond

Subject	6 th grade	7 th grade	8 th grade	9 th grade	10 th grade	11 th grade	12 th grade
Language Arts	6 GT ELA/ Humanities	7 GT ELA/ Humanities	English I/ Humanities Honors GT	English II Honors GT AP	AP Language & Composition GT AP Capstone Seminar	AP Literature & Composition GT AP Capstone Seminar AP Capstone Research	English V Genre Study AP Capstone Research
Humanities					Humanities I	Independent Study Mentorship I	Independent Study Mentorship II
Mathematics	Algebra Topics GT	Algebra I Honors GT	Geometry Honors GT	Algebra II Honors GT	Pre-Calculus Honors GT	AP Calculus AB	AP Calculus BC GT
						AP Statistics AP Computer Science AP Computer Science Principles	
Science	Science 6 GT*	Science 7 GT*	Biology Honors GT**	Chemistry Honors GT	AP Physics 1 AP Physics 2 AP Biology AP Chemistry AP Environmental Science	AP Biology AP Chemistry AP Physics 1 AP Physics 2 AP Physics C: Electricity & Magnetism AP Physics C: Mechanics AP Environmental Science	
Social Studies	6 th Grade Honors World Cultures	7 th Grade Honors Texas History	8 th Grade Honors US History	AP Human Geography/ Honors World Geography	AP World History	AP US History	AP US Government AP Comp Government AP Macro AP Micro

*All pre-requisites for AP science courses are based on the recommendations from TEA and College Board.

Irving ISD Recommended High School Course Sequence ESOL/ESL 2019 & Beyond

9th Grade		
Newcomer Academy Students	Beginning Students	Intermediate Students
<ul style="list-style-type: none"> ● ESOL I A & Independent English ● Strategic Learning for HS Mathematics ● Reading I ESL ● Algebra I ESL ● IPC or Biology ESL ● W GEO ESL ● Electives 	<ul style="list-style-type: none"> ● ESOL IA/1B ● Algebra I ESL ● IPC ESL or Biology ESL ● Read I ESL ● Ind English ESL (ESOL IA students only) ● W Geo ESL ● Electives 	<ul style="list-style-type: none"> ● English I ESL ● Read II ESL ● Alg I ESL ● IPC ESL or Biology ESL ● W Geo ESL ● Electives

NOTE: Courses in **bold** will be at the Newcomer Academy.

Frequently Asked Questions

What is Honors?

Honors courses are available to students in middle and high school. These courses foster a high level of engagement and are open to any student who is willing and prepared to take on challenging course work. The course goes beyond the state standards and is designed to be appropriately rigorous to prepare students to be successful in Advanced Placement (AP) courses. Within high school, Honors courses are available in English Language Arts, Mathematics, Science, Social Studies and Languages Other Than English (LOTE).

What is AP?

Advanced Placement (AP) courses allow students to participate in college-level courses and possibly earn college credit while still in high school. This is accomplished by taking an end of course AP exam designed by The College Board. The score earned on the AP exam determines college credit. Each university sets the standard for the qualifying score for credit. Texas public universities must award college credit for scores of 3 or higher. Consult your intended university for more information on awarding credit. AP courses are offered in English Language Arts, Mathematics, Social Studies, Science, Languages Other Than English, Art, and Music. Students enrolled in Advanced Placement (AP) course are required to take the AP Exam for the course in May. Failure to do so will result in the loss of AP weighted points for the course in which the exam is not taken. The test fees for AP tests are paid by the school district.

What is GT?

Gifted and talented (GT) services are specifically designed for the strengths and learning needs of the gifted learner, grades K-12. Specially trained teachers provide learning opportunities with course content that is either above-grade level or goes beyond the state standards, allowing students to excel and compete at the national level. The students demonstrate skills in self-directed learning, thinking, research and communication and develop innovative products and performances that reflect creativity, individuality and professional-level quality. Students must qualify for these accelerated courses through a referral and assessment process. Gifted courses available in middle school are:

English: Honors GT English/Humanities 6, Honors GT English/Humanities 7, Honors GT English 1/Humanities

Mathematics: Honors GT Math 6, Honors GT Algebra Topics, Honors GT Algebra 1, Honors GT Geometry

Science: Honors GT Science 6, Honors GT Science 7, Honors GT Biology

What are PRN and FND courses?

Principles (PRN) - Courses designed with modifications to the grade level curriculum. Enrollment in Principles level courses is based on the recommendations from the Individualized Education Plan.

Fundamentals (FND) - Courses focus on the prerequisite skills to the grade level curriculum. Enrollment in fundamentals level courses is based on the recommendations from the Individualized Education Plan.

Please contact your school counselor if additional information is needed.