## Math Courses

| Course Name | Credits | Grade <br> Levels | Prerequisites |
| :---: | :---: | :---: | :---: |
| Algebra I | 1 | 9 | Grade 8 Mathematics |
| Algebra I Honors | 1 | 9 | Grade 8 Mathematics |
| Algebraic Reasoning | 1 | 10-12 | Algebra I |
| Geometry | 1 | 9-12 | Algebra I |
| Geometry Honors | 1 | 9-12 | Algebra I |
| Algebra II | 1 | 10-12 | Algebra I |
| Algebra II Honors | 1 | 10-12 | Algebra I |
| Dual College Algebra: UT OnRamps | 1 | 10-12 | Algebra I, Geometry |
| Sheltered Math: Algebra I, II, Geometry, Algebraic Reasoning | 1 | 9-12 | Required Placement Test and/or LPAC recommendation |
| Advanced Math Courses |  |  |  |
| Precalculus | 1 | 10-12 | Algebra I, II, and Geometry |
| AP Precalculus | 1 | 10-12 | Algebra I, II, and Geometry |
| Dual Precalculus: UT OnRamps | 1 | 10-12 | Algebra I, II, and Geometry |
| College Preparatory Math | 1 | 12 | Has not met College Readiness indicator according to HB5 |
| Calculus | 1 | 11-12 | Recommended Precalculus |
| AP Calculus AB | 1 | 11-12 | Recommended Precalculus |
| AP Calculus BC | 1 | 11-12 | Recommended Precalculus |
| Statistics | 1 | 11-12 | Algebra I |
| AP Statistics | 1 | 11-12 | Recommended Algebra II and Geometry |
| Dual Statistics: UT OnRamps | 1 | 11-12 | Recommended Algebra II and Geometry |
| Accounting II Honors | 1 | 10-12 | Accounting I |
| AP Computer Science | 1 | 10-12 | Computer Science I Honors |
| Digital Electronics Honors | 1 | 11-12 | Recommended: Engineering Science, Algebra I, and Geometry |
| Robotics II | 1 | 12 | Robotics I |
| Statistics and Business Decision Making | 1 | 11-12 | Recommended Algebra II |
| Elective Credit Only |  |  |  |
| Multivariable Calculus | . 5 | 11-12 | Calculus BC |
| Linear Algebra | . 5 | 11-12 | Multivariable Calculus |
| Special Education Math Courses |  |  |  |
| Basic Algebra I | 1 | 9 | ARD Decision |

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| Basic Algebraic Reasoning | 1 | $10-12$ | ARD Decision |
| :--- | :---: | :---: | :--- |
| Basic Geometry | 1 | 10 | ARD Decision |
| Basic Algebra II | 1 | 12 | ARD Decision |
| Fundamentals of Algebra I | 1 | 9 | ARD Decision |
| Fundamentals of Geometry | 1 | 10 | ARD Decision |
| Fundamentals of Math Models <br> with Applications | 1 | 11 | ARD Decision |
| Fundamentals of Algebra II | 1 | 12 | ARD Decision |

**Italicized courses in the chart above are to be taken as part of a CTE pathway only**

## High School Math Course Sequencing

Student levels are to be used by parents, teachers, and counselors to help make course decisions. It is strongly encouraged that parents and students consider the information under "Student Levels" when making course choices.

| Student Levels | 9th Grade | 10th Grade | 11th Grade | 12th Grade |
| :---: | :---: | :---: | :---: | :---: |
| Approaching Level: <br> I maintained a class average below 75 in math. <br> AND/OR <br> On the STAAR, I scored at the "Approaches" or "Did Not Meet" level | Algebra I | Geometry and/or Algebraic Reasoning | Course options: <br> - Geometry <br> - Algebraic Reasoning <br> - Algebra II | Course options: <br> - College <br> Preparatory Math <br> - Algebra II |
| On Level: <br> I passed my math class with 75 or higher. <br> AND/OR <br> I passed my Math STAAR at "Meets Grade Level." | Algebra I | Geometry <br> Students wishing to accelerate may take Geometry and Algebra II concurrently. | Course options: <br> 1. Algebra II <br> 2. OnRamps College Algebra <br> 3. Algebraic Reasoning | Course options: <br> - Algebra II <br> - Precalculus <br> - OnRamps <br> Precalculus <br> - AP <br> Precalculus <br> - Statistics* <br> - AP <br> Statistics* <br> - College <br> Preparatory Math** |

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|  |  |  |  | *Statistics (any level) may be taken concurrently with PreCalculus (any level). <br> **College Prep may be taken concurrently with any other advanced math course. |
| :---: | :---: | :---: | :---: | :---: |
| Beyond Level: <br> I passed Algebra I in $8^{n}$ grade. | Geometry Honors <br> Students wishing to accelerate further may take Geometry and Algebra II concurrently. | Algebra II Honors <br> Or <br> OnRamps College Algebra | Course options: <br> - OnRamps Precalculu s <br> - AP Precalculu s <br> - AP Statistics* <br> - Statistics* <br> *Statistics (any level) may be taken concurrently with Precalculus (any level). | Course options: <br> - AP Calculus AB <br> - AP Calculus BC** <br> - Calculus (onlevel) <br> - AP Statistics* <br> - Statistics* (on-level) <br> *Statistics (any level) may be taken concurrently with Calculus (any level). <br> **AP Calculus AB and $B C$ may be offered as a doubleblocked course on some campuses |
| Accelerated <br> Math <br> I passed Geometry in $8^{\text {th }}$ grade. | Algebra II Honors <br> Or <br> OnRamps College Algebra | Course options: <br> - OnRamp <br> s <br> Precalcul <br> us <br> - AP <br> Precalcul us <br> - AP Statistics * <br> - Statistics <br> *Statistics (any level) may be taken concurrently with Precalculus (any level). | Course options: <br> - AP Calculus AB <br> - AP Calculus BC** <br> - Calculus (on-level) <br> - AP Statistics* <br> - Statistics* <br> *Statistics (any level) may be taken concurrently with Calculus (any level). <br> **AP Calculus AB and BC may be | Course options: <br> - AP Calculus <br> BC** <br> - AP <br> Statistics* <br> - Statistics* <br> - Multivariable Calculus/ Linear Algebra ( for students who have completed AP Calculus BC) <br> *Statistics (any level) may be taken |

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|  |  | offered as a double- <br> blocked course on <br> some campuses. | concurrently with <br> Calculus (any level). <br> $* * \mathrm{AP} \mathrm{Calculus} \mathrm{AB}$ <br> and BC may be <br> offered as a double- <br> blocked course on <br> some campuses |
| :--- | :--- | :--- | :--- | :--- |

## Algebra I

TEDS: 03100500
KISD: 2003/C2003
Credit: 1
Grade: 9
Prerequisite: Grade 8 Mathematics or equivalent
This course develops students' ability to think algebraically and reason symbolically. Algebra 1 focuses on the study of linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology to model mathematical situations to solve meaningful problems. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

## Algebra I Honors

TEDS: 03100500 KISD: 2013
Credit: 1
Grade: 9
Prerequisite: Grade 8 Mathematics or equivalent
There is a strong expectation that all of the students in an Honors math program are preparing for
Advanced Placement math courses. Algebra I Honors includes all Algebra I standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Algebra 1 serves as a foundation and a prerequisite for all subsequent math courses.

## Algebraic Reasoning

TEDS: 03102540 KISD: 2424/C2424
Credit: 1
Grade: 10-12
Prerequisite: Algebral
In Algebraic Reasoning, students will continue to develop algebraic understandings and processes, deepening their foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data.

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## Geometry

TEDS: 03100700 KISD: 2213/C2213
Credit: 1
Grade: 9-12
Prerequisite: Algebral

Geometry consists of the study of geometric figures and the relationships among them. Students will extend their previous studies to focus on more precise terminology, symbolic representations, and the development of proofs around geometric properties and relationships. They will explore concepts covering two- and three-dimensional figures, coordinate and transformational geometry, logical argument and constructions, similarity, congruence, trigonometry, circles, and probability. Students will use a variety of tools, including technology, to solve meaningful problems and demonstrate new understandings.

## Geometry Honors

TEDS: 03100700 KISD: 2223
Credit: 1
Grade: 9-12
Prerequisite: Algebral
There is a strong expectation that all students in an Honors math program are preparing for Advanced Placement math courses. Geometry Honors includes all Geometry standards with added rigor and depth, global connections, multiple representations (verbal, algebraic, numerical, graphical, physical), and expectations of sophistication in student work. Students who choose to accelerate their math coursework may concurrently take Algebra II Honors and Geometry Honors.

## Algebra II

TEDS: 03100600 KISD: 2043/C2043
Credit: 1
Grade: 10-12
Prerequisite: Algebral
In Algebra II, students will broaden their understanding of linear, quadratic, and exponential functions and will explore additional functional relationships, including logarithmic, square root, cubic, absolute value, and rational functions. Students will learn to combine functions, find their inverses, and connect them to real-world situations. Students will also graph functions with and without technology and will discuss the attributes of the graphs. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Algebra II Honors
TEDS: 03100600 KISD: 2033
Credit: 1
Grade: 10-12
Prerequisite: Algebra।
There is a strong expectation that all of the students in an Honors math program are preparing for Advanced Placement math courses. Algebra II Honors includes all Algebra II standards with added rigor, depth, global connections, multiple representations (verbal, algebraic, numerical, graphical,

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physical), and expectations of sophistication in student work. Algebra II Honors is designed to prepare students who will be taking AP Calculus or AP Statistics in their $11^{\text {th }}$ or $12^{\text {th }}$ grade year of high school.

Dual College Algebra: UT On Ramps<br>TEDS: 03100600 KISD: 23186<br>Credit: 1<br>Grade: 10-12<br>Prerequisite: Algebra I and Geometry

In this dual enrollment course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: linear, absolute value, quadratic, polynomial, radical, rational, exponential, and logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. The pedagogy of the course, inquiry-based learning, encourages students to take an active role in the construction of their learning. Students will experience a high-quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff. This course meets the Algebra Il requirement for Distinguished Level of Achievement. This course receives AP weight for the class of 2025 and beyond.

## Sheltered Math I-IV

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TEDS: 03100500 Algebral KISD: 2025
TEDS: 03100700 Geometry KISD: 2026
TEDS: 03100600 Algebra Il KISD: 2027
TEDS: 03102540 Algebraic Reasoning KISD: }202
Credit: }
Grade: 9-12
Required prerequisite: Language proficiency test and/or LPAC recommendation
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Enrollment is limited to Emergent Bilingual students indicated as English learners in $9^{\text {th }}-12^{\text {th }}$ grades. Placement in Sheltered Math I-IV will be determined through language proficiency tests and LPAC recommendations. Sheltered Math courses align with the state and district requirements for Math IIV. Sheltered classes may substitute for the required Math credits.

## Precalculus

TEDS: 03101100 KISD: 2303
Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, and Algebra II
Precalculus is the preparation for calculus. The study of precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. In this course, students study multiple representations of functions, including polynomial, rational, power (including radical), exponential, logarithmic, trigonometric, and piecewise defined functions. They also analyze the characteristics and behaviors of these functions. Additional topics in precalculus include conic sections and their properties, parametric representations, sequences and series, and vectors.

AP Precalculus
TEDS:
KISD: 2323

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Credit: 1
Grade: 10-12
Prerequisite: Algebra I, Geometry, Algebra II
AP Precalculus prepares students for AP Calculus AB and BC. The skills learned in this course are also foundational for college pathways and careers in math, physics, biology, health science, social science, and data science. This course is comprised of four overarching units: (1) Polynomial and Rational Functions (2) Exponential and Logarithmic Functions (3) Trigonometric and Polar Functions (4) Functions involving Parameters, Vectors, and Matrices. AP students prepare to take the Advanced Placement Exam in May for possible college credit.

## Dual Precalculus: UT On Ramps

TEDS: 03101100<br>KISD: 23146<br>Credit: 1<br>Grade: 10-12<br>Prerequisite: Algebra I, Geometry, and Algebra II

In this dual enrollment course, students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level Calculus course. This course is designed to challenge students, with an emphasis on unpacking mathematical definitions and making logical arguments. The course is divided into seven units; each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills. In each exploration students will create connections with prior concepts in developing the current topic. Students will experience a high -quality curriculum designed by the faculty at The University of Texas at Austin and delivered by Keller ISD teachers. Students can earn three hours of UT credit, with feedback and assessment provided by UT course staff. This course receives AP weight for the class of 2025 and beyond.

## Calculus

TEDS: 03102500 KISD: 2322
Credit: 1
Grade: 11-12
Prerequisite: Precalculus
Calculus is designed for college bound students who have taken on level Precalculus. Topics include elementary functions, limits, differential calculus and integral calculus. Applications include problems from business, economics, life sciences and social sciences. Students will also review many college algebra skills to help prepare them for college math placement tests.

## AP Calculus AB

TEDS: A3100101 KISD: 2333
Credit: 1
Grade: 11-12
Prerequisite: Precalculus
This course prepares students for the College Board AP Calculus AB Exam for possible college credit (1 $1^{\text {st }}$ semester calculus). In AP Calculus AB, students cultivate their understanding of differential and integral calculus by engaging with real-world applications represented graphically, numerically, analytically, and verbally, and by using definitions and theorems to build arguments and justify conclusions. Calculus AB topics include functions, graphs and limits; derivatives; and integrals. AP students prepare to take the
Advanced Placement Exam in May for possible college credit.

KISD: 2343
Credit: 1

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Grade: 11-12
Prerequisite: AP Calculus AB
This course prepares students for the College Board AP Calculus BC Exam for possible college credit ( $1^{\text {st }}$ and $2^{\text {nd }}$ semester Calculus). Students explore all topics covered in AP Calculus AB along with additional topics such as parametric, polar, and vector functions and derivatives, polynomial
approximations, and series. AP students prepare to take the Advanced Placement Exam in May for possible college credit.
*AP Calculus AB and BC may be offered as a double-blocked course on some campuses. KISD: 2341

## Multivariable Calculus

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TEDS: N1110018 KISD: 2463
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Credit: 5
Grade: 11-12
Prerequisite: AP Calculus BC
Multivariable Calculus extends concepts learned in single variable calculus to multiple dimensions. Topics discussed include vector algebra; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions. This course counts as a 1122 credit and is to be taken the first semester with Linear Algebra being the second semester course. AP Calculus BC is the prerequisite. This course is an Elective Credit and will not count as an Advanced Math Course.

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Linear Algebra
TEDS: N1110021 KISD: }247
Credit: .5
Grade: 11-12
Prerequisite: Multivariable Calculus
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Students are introduced to linear algebra with an emphasis on the computational and geometrical aspects of the subject. This course begins with vectors and matrices and progresses to systems of linear equations before becoming acquainted with vector spaces and linear transformations. This course counts as a $1 / 2$ credit and is to be taken second semester following Multivariable Calculus in the first semester. Multivariable Calculus is the prerequisite. This course is an Elective Credit and will not count as an Advanced Math Course.

## Statistics

TEDS: 03102530
KISD: 2417
Credit: 1
Grade: 10-12
Prerequisite: Algebral
Statistics allows students to build upon and apply their critical thinking skills through the analysis of data and data patterns. In this course students broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data,

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probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations.

## AP Statistics

TEDS: A3100200 KISD: 2403
Credit: 1
Grade: 10-12
Prerequisite: Geometry and Algebra II
This course prepares students for the College Board AP Statistics Exam for possible college credit (1 semester, non-Calculus based Statistics). AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing to build conceptual understanding. AP students prepare to take the Advanced Placement Exam in for possible college credit.

Dual Statistics: UT On Ramps<br>TEDS: 03102530 KISD: 24146<br>Credit: 1<br>Grade: 11-12<br>Prerequisite: Geometry and Algebra II

OnRamps Statistics is a dual-enrollment data analysis course for high school juniors and seniors seeking to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course will target conce ptual understandingand hone highly relevant mathematical skills through scaffoldedintroduction to statistical methodologies, informal game play, and strategic lab exercises that engage students in hands-on analysis of real data. Valuable programming and coding skills areacquired as a means to conducting these analyses, giving students a solid foundation in data science. Team-based problem solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn threehours of UT credit with feedback and assessment provided by UT course staff. This course counts as 1 credit. Algebra II and Geometry are the prerequisites. This course receives AP weight for the class of 2025 and beyond.

## AP Computer Science

TEDS: A3580110, A3580120 KISD: 82340
Credit: 2
Grade: 10-12
Prerequisite: Computer Science I Honors
AP Computer Science A is equivalent to a first-semester, college-level course in computer science and is a continuation of Computer Science I. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. This course will strengthen the skills developed in Computer Science I. It involves more detailed programming using records, set, stacks, pointers, and recursion. AP students prepare to take the Advanced Placement Exam in May for possible college credit. This course counts as a math credit. This

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course may also count as a LOTE credit. Students earn 2 credits for this course, but the course is taught in 1 class period. Class is taught at the Keller Center for Advanced Learning.

College Preparatory Math<br>\section*{TCC TSI Course}<br>TEDS: CP111200 KISD: 2376<br>Credit: 1<br>Grade: 12<br>Prerequisite: Students who have not met a College Readiness indicator as identified by HB 5 .

The goal of this course is to support students in meeting TSI requirements for math. Successful completion of this course will aid in a student's readiness for college and career coursework. Topics include number sense, solving linear, quadratic, polynomial, radical, rational, and absolute value equations. Students will also review functions studied in previous courses, including linear, quadratic, and exponential. Students will take the TSI at the conclusion of this course.

## Basic Algebra I

TEDS: 03100500 KISD: M2003
Credit: 1
Grade: 9
Prerequisite: ARD Decision
Algebra I Modified is designed for students to learn the skills and application of Algebra I through modified and accommodated curriculum. Algebra I Modified students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others.

## Basic Algebraic Reasoning

TEDS: 03102540
KISD: M2424
Credit: 1
Grade: 10-12
Prerequisite: Algebra I and ARD Decision
This course meets the individual learning requirements of students by focusing on the Recommended Prerequisite skills for the grade level Algebraic Reasoning TEKS. Some variation in course content/emphasis may occur on campus depending on the individual learning needs of the students. This course will continue building knowledge and skills for mathematics in KindergartenGrade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understands and processes and deepen the foundation for students in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Student will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from

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data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

## Basic Geometry

TEDS: 03100700 KISD: M2213
Credit: 1
Grade: 10
Prerequisite: ARD Decision

Geometry Modified is designed for students to learn the skills and application of geometry through modified and accommodated curriculum. Students develop the facility with a broad range of ways of representing geometric ideas that allow multiple approaches to geometric problems that connect geometric interpretations to other contexts.

## Basic Math Models with Applications

TEDS: 03102400 KISD: M2123
Credit: 1
Grade: 11
Prerequisite: ARD Decision
Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra I Modified foundations as they expand their understanding through other mathematical experiences. Through the use of modified and accommodated curriculum, students use mathematical methods to model and solve real-life application problems involving money, date, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

## Basic Algebra II

TEDS: 03100600 KISD: M2043
Credit: 1
Grade: 12
Prerequisite: ARD Decision

Algebra II Modified is designed for students to build on Algebra I Modified and Geometry Modified experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through the use of modified and accommodated curriculum, students will be provided insights into mathematical abstraction and structure though the content strands. Connection will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

## Fundamentals of Algebra I

TEDS: 03100507 KISD: T2003
Credit: 1
Grade: 9
Prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Algebra ITEKS. Algebra I Alternate students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Students learn to combine

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functions, express functions in equivalent forms, compose functions and find inverses where possible. Algebra I Alternate will provide students with insights into mathematical abstraction and structure through the content strands Foundations for Functions, Linear Functions, and Quadratics and other Non-Linear Functions. It is extremely important for students to learn Algebral standards in depth, as it is a foundation for other math courses.

## Fundamentals of Geometry

TEDS: 03100700 KISD: T2213
Credit: 1
Grade: 10
Prerequisite: ARD Decision

This course meets the individual learning requirements of students by focusing on Recommended Prerequisite skills for the grade level Geometry TEKS. High school students develop facility with a broad range of ways of representing geometric ideas, including coordinates, networks, transformations, that will allow multiple approaches to geometric problems and that connect geomatric interpretations to other contexts. Students learn to recognize connections among different representations, thus enabling them to use these representations flexibly. Students will expand their understanding through other mathematical experiences through the Geometry content strands of Geometric Structure, Geometric Patterns, Dimensionality and the Geometry of Location, Congruence and the Geometry of Size, and Similarity and the Geometry of Shape.

## Fundamentals of Math Models with Applications

TEDS: 03102400 KISD: T2123
Credit: 1
Grade: 11
Prerequisite: ARD Decision
Math Models with Applications Modified is designed for students to continue to build on the K-8 and Algebra II Alternate foundations as they expand their understanding through other mathematical experiences. Through the use of modified and accommodated curriculum, students use mathematical methods to model and solve real-life application problems involving money, date, chance, patterns, music, design, and science. Students use a variety of representations, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems.

## Fundamentals of Algebra II

TEDS: 03100600 KISD: T2043
Credit: 1
Grade: 12
Prerequisite: ARD Decision
Algebra II Alternate is designed for students to build on Algebra 1 Alternate and Geometry Alternate experiences, both deepening their understanding of relations and functions and expanding their repertoire of familiar functions. Through the use of modified and accommodated curriculum, students will be provided insights into mathematical abstraction and structure though the content strands. Connection will be made between algebra and geometry and the tools of one will be used to help solve problems in the other.

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## (2132) Strategic Learning for High School Math I <br> (This will count as 1 elective credit only)

Course Goal: To support students in meeting individual math goals necessary in achieving academic success; to support students in meeting Algebra I EOC requirements.

Targeted students: Incoming freshmen who did not meet satisfactory performance on the $8^{\text {th }}$ grade STAAR Math Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR math assessments.

## (2142) Strategic Learning for High School Math II (This will count as local credit only)

Course Goal: To support students in meeting individual math goals necessary in achieving academic success; to support students in meeting Algebra I EOC requirements.

Targeted students: Incoming sophomores who have not met satisfactory performance on the Algebra I EOC Assessment, through multiple administrations.

Additional indicators: Unsatisfactory performance through a history of STAAR math assessments and on the Algebra I EOC Assessment.

## Mathematics - College and Career Readiness Intervention (TCC-TSI Course)

## (2376) College Preparatory Math (1 Credit)

Course Goal: The goal of this course is to support students in meeting TSI requirements for math.

Targeted students: Students who have not met a College Readiness indicator as identified by House Bill 5 .

