

World Languages

American Sign Language I (ASL I)

TEDS: 03980100

KISD: 6403

Credit: 1

Grade: 9-12

Prerequisite: None

Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in Level I develop the ability to perform the tasks of the novice language learner. Students in ASL I are expected to reach proficiency levels as follows: interpersonal receptive, novice mid; interpersonal expressive, novice mid; interpretive receptive, novice high; and presentational expressive, novice high. Upon successful completion of this course, students are encouraged to enroll in ASL II.

American Sign Language II (ASL II)

TEDS: 03980200

KISD: 6413

Credit: 1

Grade: 9-12

Prerequisite: ASL I

ASL II provides a fun, interactive, context- driven and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in ASL II are expected to reach proficiency levels as follows: interpersonal receptive, novice mid; interpersonal expressive, intermediate low; interpretive receptive, intermediate low; and presentational expressive, intermediate mid. Upon successful completion of this course, students are encouraged to enroll in ASL III. **This course is not currently available at FRHS.*

American Sign Language III (ASL III)

TEDS: 03980300

KISD: 6423

Credit: 1

Grade: 10-12

Prerequisite: ASL II

ASL III provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, and use ASL to make connections to other subject areas and to acquire information. Students in ASL III are expected to reach proficiency levels as follows: interpersonal receptive, intermediate mid; interpersonal expressive, advanced low; interpretive receptive, intermediate low; and presentational expressive,

advanced low. Upon successful completion of this course, students are encouraged to enroll in ASL IV. **This course is not currently available at FRHS.*

American Sign Language IV (ASL IV)

TEDS: 03980400

KISD: 6424

Credit: 1

Grade: 12

Prerequisite: ASL III

ASL IV provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct signed communication with others without voice, demonstrate an understanding of receptively viewed communication, present to an audience, make comparisons of the American Deaf culture with their own, employ expressive and receptive skills for comprehension, and use ASL to make connections to other subject areas and to acquire information. Students in ASL IV are expected to reach proficiency levels as follows: interpersonal receptive, intermediate high; interpersonal expressive, advanced high; interpretive receptive, intermediate high; and presentational expressive, advanced high. **This course is not currently available at FRHS*

French I

TEDS: 03410100

KISD: 6113

Credit: 1

Grade: 9-12

Prerequisite: None

French I focuses on developing students' ability to communicate in French at a Novice Level. The course is primarily taught in French in order to improve comprehension skills. Students are also expected to participate fully in French and use as little English as possible. As novice language learners, students will communicate using words, phrases, and simple sentences. Throughout the year students will participate in conversations on a variety of familiar topics. Assessments are aimed at determining students' ability to communicate with the language and are focused on listening, speaking, reading, and writing. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of the course, students are encouraged to enroll in French II.

French I Honors

TEDS: 03410100

KISD: 6103

Credit: 1

Grade: 9-12

Prerequisite: None

French I Honors covers the French I curriculum while focusing on developing students' ability to communicate in French at the Novice Level but goes into added depth with the French language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected

to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French II Honors.

French II

TEDS: 03410200

KISD: 6123

Credit: 1

Grade: 9-12

Prerequisite: French I

French II continues to develop students' ability to communicate using the French language. The course is primarily taught in French to help students continue to improve their listening and reading skills. Students are expected to communicate fully in French as well. Their communication will still consist mainly of familiar words, phrases and simple sentences with simple elaboration and simple supporting statements. Students will be able to express their thoughts and opinions on a variety of topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French III Honors.

French II Honors

TEDS: 03410200

KISD: 6173

Credit: 1

Grade: 9-12

Prerequisite: French I Honors

French II Honors covers the French II curriculum but goes into added depth with the French language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French III Honors.

French III Honors

TEDS: 03410300

KISD: 6133

Credit: 1

Dual Credit: 6134

Grade: 10-12

Prerequisite: French II or French II Honors

French III Honors continues to develop students' ability to communicate using the French language. The course is taught in French to help students continue to improve their listening and reading skills. Students are expected to communicate fully in French as well. Their communication will consist

mainly of a mixture of short statements, sentences, and strings of sentences with simple elaboration and supporting statements. Students will be able to express their thoughts and opinions on a variety of topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. French III Honors goes into added depth with the French language while engaging in AP style questioning, responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in French IV AP.

AP French IV

TEDS: A3410100

KISD: 6143

Credit: 1

Grade: 11-12

Prerequisite: French III Honors

French IV AP is designed for students to explore a variety of themes driven by the College Board in the French language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, French IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication with others, demonstrate understanding of spoken and written communication, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study.

German I

TEDS: 03420100

KISD: 6213

Credit: 1

Grade: 9-12

Prerequisite: None

German I focuses on developing students' ability to communicate in German at a Novice Level. The course is primarily taught in German in order to improve comprehension skills. Students are also expected to participate fully in German and use as little English as possible. As novice language learners, students will communicate using words, phrases, and simple sentences. Throughout the year students will participate in conversations on a variety of familiar topics. Assessments are aimed at determining students' ability to communicate with the language and are focused on listening, speaking, reading, and writing. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of the course, students are encouraged to enroll in German II.

German I Honors

TEDS: 03420100

KISD: 6203

Credit: 1

Grade: 9-12

Prerequisite: None

German I Honors covers the German I curriculum while focusing on developing students' ability to communicate in German at the Novice Level but goes into added depth with the German language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German II Honors.

German II

TEDS: 03420200



KISD: 6223

Credit: 1

Grade: 9-12

Prerequisite: German I

German II continues to develop students' ability to communicate using the German language. The course is primarily taught in German to help students continue to improve their listening and reading skills. Students are expected to communicate fully in German as well. Their communication will still consist mainly of familiar words, phrases and simple sentences with simple elaboration and simple supporting statements. Students will be able to express their thoughts and opinions on a variety of topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German III Honors.

German II Honors

TEDS: 03420200

KISD: 6273

Credit: 1

Grade: 9-12

Prerequisite: German I Honors

German II Honors covers the German II curriculum but goes into added depth with the German language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German III Honors.

German III Honors

TEDS: 03420300

KISD: 6233

Credit: 1

Grade: 10-12

Prerequisite: German II or German II Honors

German III Honors continues to develop students' ability to communicate using the German language. The course is taught in German to help students continue to improve their listening and reading skills. Students are expected to communicate fully in German as well. Their communication will consist mainly of a mixture of short statements, sentences, and strings of sentences with simple elaboration and supporting statements. Students will be able to express their thoughts and opinions on a variety of topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. German III Honors goes into added depth with the German language while engaging in AP style questioning, responses, and tasks with a stronger emphasis on original and creative production in the target language. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in German IV AP.

AP German IV

TEDS: A3420100

KISD: 6243

Credit: 1

Grade: 11-12

Prerequisite: German III Honors

German IV AP is designed for students to explore a variety of themes driven by the College Board in the German language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, German IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written communication, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study.

German V

TEDS: 03420500

KISD: 6263

Credit: 1

Grade: 12

Prerequisite: German IV

This course builds on the skills acquired in German I, II, III, and IV. Structure and vocabulary from the previous courses will be reviewed. Students will continue to develop more advanced skills in

speaking, listening, reading, and writing. German is spoken extensively in the classroom, and writing assignments will be based on German literature and Germanic culture. Students will gain an understanding of two basic aspects of human existence: the nature of communication and the complexity of culture. Students will become aware of multiple perspectives and means of expression, which lead to an appreciation of difference and diversity. Students in Level V are expected to reach a proficiency level of Intermediate High to Advanced Mid by the end of the course of study.

Latin I

TEDS: 03430100

KISD: 6303

Credit: 1

Grade: 9-12

Prerequisite: None

Interpretive communication is the overarching goal of classical language instruction and is supported by opportunities for interpersonal and presentational communication. Through the use of projects, presentations, games, authentic material, peer to peer interaction, direct instruction, and other fun activities, students will do the following: express meaning on familiar topics through single words and phrases that have been memorized, read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral communication, experience an introduction to classical culture and history. Students in Level I of classical languages are expected to reach a proficiency level of Novice High to Intermediate Low in reading, Novice Low to Novice Mid proficiency level in listening and speaking, and Novice Mid in writing by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Latin II. **This course is available in the traditional setting at FRHS only. At the other high schools, this course is available as an online course through the Keller ISD Virtual Learning program.*

Latin I Honors

TEDS: 03430100

KISD: 6300

Credit: 1

Grade: 9-12

Prerequisite: None

Latin I Honors covers the Latin I curriculum, but goes into added depth with the Latin language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I of classical languages are expected to reach a proficiency level of Novice High to Intermediate Low in reading, Novice Low to Novice Mid proficiency level in listening and speaking, and Novice Mid in writing by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Latin II Honors. **This course is only available at FRHS.*

Latin II

TEDS: 03430200

KISD: 6313

Credit: 1

Grade: 9-12

Prerequisite: Latin I

Latin II provides a fun, interactive, context-driven and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own

culture through authentic resources, present information to an audience, and demonstrate understanding of spoken and written language. Students in Level II of classical languages are expected to reach a proficiency level of Intermediate Low to Intermediate Mid in reading, Novice Mid to Novice High in listening and writing, and Novice Mid in speaking. Upon successful completion of this course, students are encouraged to enroll in Latin III Honors. **This course is available in the traditional setting at FRHS only. At the other high schools, this course is available as an online course through the Keller ISD Virtual Learning program.*

Latin II Honors

TEDS: 03430200

KISD: 6373

Credit: 1

Grade: 9-12

Prerequisite: Latin I Honors

Latin II Honors covers the Latin II curriculum but goes into added depth with the Latin language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors of classical languages are expected to reach a proficiency level of Intermediate Low to Intermediate Mid in reading, Novice Mid to Novice High in listening and writing, and Novice Mid in speaking. Upon successful completion of this course, students are encouraged to enroll in Latin III Honors. **This course is only available at FRHS.*

Latin III Honors

TEDS: 03430300

KISD: 6323

Credit: 1

Grade: 10-12

Prerequisite: Latin II or Latin II Honors

Students in Latin III Honors will experience AP style questioning responses, and tasks. Students continue to be prepped for the Advanced Placement (AP) course which provides students the opportunity to earn college credit after successful completion of the corresponding AP exam. Latin III Honors provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, culturally relevant texts, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own culture through authentic resources, present information to an audience, and demonstrate understanding of spoken and written language. Students in Level III Honors of classical languages are expected to reach a proficiency level of Intermediate High to Advanced Low in reading, Novice Mid to Novice High in speaking and writing, and Novice High in listening. Upon successful completion of this course, students are encouraged to enroll in Latin IV AP. **This course is only available at FRHS.*

AP Latin IV

TEDS: A3430100

KISD: 6333

Credit: 1

Grade: 11-12

Prerequisite: Latin III Honors

Latin IV AP is designed for students to explore a variety of themes driven by the College Board in the Latin language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Latin exam. Latin IV provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: read and comprehend proficiency level, appropriate texts of prose or poetry of selected authors, recognize components of the language such as grammar, syntax and genre, engage in direct oral and written communication, make comparisons and connections to their own culture through authentic resources, present information to an audience of listeners and readers, and demonstrate understanding of spoken and written language. Students in Level IV of classical languages are expected to reach a proficiency level of Advanced Low to Advanced Mid in reading, Novice Mid to Novice High in speaking and writing, and Novice High in listening. **This course is only available at FRHS.*

Spanish I

TEDS: 03440100

KISD: 6013

Credit: 1

Grade: 9-12

Prerequisite: None

Spanish I focuses on developing students' ability to communicate in Spanish at a Novice Level. The course is primarily taught in Spanish in order to improve comprehension skills. Students are also expected to participate fully in Spanish and use as little English as possible. As novice language learners, students will communicate using words, phrases, and simple sentences. Throughout the year students will participate in conversations on a variety of familiar topics. Assessments are aimed at determining students' ability to communicate with the language and are focused on listening, speaking, reading, and writing. Students in Level I are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of the course, students are encouraged to enroll in Spanish II.

Spanish I Honors

TEDS: 03440100

KISD: 6003

Credit: 1

Grade: 9-12

Prerequisite: None

Spanish I Honors covers the Spanish I curriculum while focusing on developing students' ability to communicate in Spanish at the Novice Level but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. This course begins preparing students for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level I Honors are expected to reach a proficiency level of Novice Mid to Novice High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish II Honors.

Spanish II

TEDS: 03440200

KISD: 6033

Credit: 1

Grade: 9-12

Prerequisite: Spanish I

Spanish II continues to develop students' ability to communicate using the Spanish language. The course is primarily taught in Spanish to help students continue to improve their listening and reading skills. Students are expected to communicate fully in Spanish as well. Their communication will still consist mainly of familiar words, phrases and simple sentences with simple elaboration and simple supporting statements. Students will be able to express their thoughts and opinions on a variety of topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. Students in Level II are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish III or Spanish III Honors.

Spanish II Honors

TEDS: 03440200

KISD: 6083

Credit: 1

Grade: 9-12

Prerequisite: Spanish I Honors

Spanish II Honors covers the Spanish II curriculum but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. Students continue to be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level II Honors are expected to reach a proficiency level of Novice High to Intermediate Low by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish III Honors.

Spanish III

TEDS: 03440300

KISD: 6023

Credit: 1

Grade: 10-12

Prerequisite: Spanish II

Spanish III continues to develop students' ability to communicate using the Spanish language. The course is taught in Spanish to help students continue to improve their listening and reading skills. Students are expected to communicate fully in Spanish as well. Their communication will consist mainly of a mixture of short statements, sentences, and strings of sentences with simple elaboration and supporting statements. Students will be able to express their thoughts and opinions on a variety of topics. Assessments continue to focus on the communicative skills of listening, speaking, reading, and writing. Students in Level III are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students could choose to take the Spanish CLEP test offered at a nearby university to earn potential college credit dependent upon score or enroll in AP Spanish IV.

Spanish III Honors

TEDS: 03440300

KISD: 6043

Credit: 1

Grade: 10-12

Prerequisite: Spanish II Honors

Spanish III Honors covers the Spanish III curriculum but goes into added depth with the Spanish language while engaging in AP style questioning, responses, and tasks. In Spanish III Honors, there is a stronger emphasis on original and creative production in the target language. Students continue to

be prepped for Advanced Placement (AP) courses which provide students the opportunity to earn college credit after successful completion of the corresponding AP exam. Students in Level III Honors are expected to reach a proficiency level of Intermediate Low to Intermediate Mid by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish IV AP.

AP Spanish IV

TEDS: A3440100

KISD: 6053

Credit: 1

Grade: 11-12

Prerequisite: Spanish III Honors

Spanish IV AP is designed for students to explore a variety of themes driven by the College Board in the Spanish language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn college credit after successful completion of the AP Language and Culture exam. With a stronger emphasis on original and creative production in the target language, Spanish IV AP provides a fun, interactive, open-ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written language, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High by the end of the course of study. Upon successful completion of this course, students are encouraged to enroll in Spanish V AP.

AP Spanish V

TEDS: A3440200

KISD: 6063

Credit: 1

Grade: 11-12

Prerequisite: Spanish IV

Spanish V AP is designed for students to explore, analyze, and respond to a variety of literature pieces provided by the College Board in the Spanish language while engaging in AP style questioning, responses, and tasks. At the conclusion of this course, students have the opportunity to earn additional college credit after successful completion of the AP Literature and Culture exam. Spanish V AP provides a fun, interactive, open ended and engaging atmosphere through which the students will participate in a variety of activities in order to: engage in direct oral and written communication, demonstrate understanding of spoken and written language, present information to an audience, make comparisons and connections to their own culture through authentic resources, and interpret culturally authentic materials. Students in Level V are expected to reach a proficiency level of Intermediate High to Advanced Mid by the end of the course of study.

Computer Science I Honors

TEDS: 03580200

KISD: 82301

Credit: 1

Grade: 9-12

Prerequisite: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. The purpose of this course is to continue on to AP Computer Science and prepare for the AP exam. This course may count as a **LOTE** credit. Class is taught at the Keller Center for Advanced Learning.

Computer Science II and III

TEDS: 03580300, 03580350

KISD: 82342

Credit: 2

Grade: 11-12

Prerequisite: AP Computer Science

Computer Science II and III will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts. Students will get to choose their focus among video game design, mobile application development, and coding. This course may also count as a **LOTE** credit. Class is taught at the Keller Center for Advanced Learning.

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 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.