

USOE Approved AAF Courses

Language Arts	Core Code	Grade Range	Course Description
ASL - High school third year	03010000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
ASL Third Year- Honors	03010000035	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
ASL - High school fourth year	03010000041	09 12	This course is similar to ASL 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
ASL - High school fifth year	03010000051	09 12	This course offers advanced studies and a continuation of ASL 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
ASL - Third year Conc. Enroll 1010	03010013031	09 12	Year Long - This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
ASL - Fourth year Conc. Enroll 1020	03010013041	09 12	Year Long - This course is similar to ASL 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
ASL - Fifth year Conc. Enroll 2010	03010013051	09 12	Year Long - This course offers advanced studies and a continuation of ASL 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Chinese - High school third year	03020000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Chinese Third Year- Honors	03020000035	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Chinese - High school fourth year	03020000041	09 12	This course is similar to Chinese 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Chinese - High school fifth year	03020000051	09 12	This course offers advanced studies and a continuation of Chinese 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
A.P. Chinese Language & Culture	03020000081	09 12	This course is intended for qualified students in the final stages of their secondary school training who are interested in completing studies comparable in content and difficulty to a full-year course on Advanced Composition and Conversation at the college level. It also serves as an introduction to literature at the college level. Students who enroll should already have an effective command of grammar and considerable competence in listening, reading, speaking and writing. Many colleges grant up to 12 hours of credit to those who complete the course and pass the national AP examination satisfactorily.
IB Chinese SL	03020000091	11 12	
IB Chinese HL	03020000095	11 12	
Chinese - Third year Conc. Enroll 101	03020013031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Chinese - Fourth year Conc. Enroll 10	03020013041	09 12	Year Long - This course is similar to Chinese 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Chinese - Fifth year Conc. Enroll 2010	03020013051	09 12	Year Long - This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
French - High school third year	03030000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
French Third Year- Honors	03030000035	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
French - High school fourth year	03030000041	09 12	This course is similar to French 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
French - High school fifth year	03030000051	09 12	This course offers advanced studies and a continuation of French 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.

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A.P. French - Language	03030000081	09 12	This course is intended for qualified students in the final stages of their secondary school training who are interested in completing studies comparable in content and difficulty to a full-year course on Advanced Composition and Conversation at the college level. It also serves as an introduction to literature at the college level. Students who enroll should already have an effective command of grammar and considerable competence in listening, reading, speaking and writing. Many colleges grant up to 12 hours of credit to those who complete the course and pass the national AP examination satisfactorily.
A.P. French - Literature	03030000085	09 12	
IB French SL	03030000091	11 12	
IB French HL	03030000095	12 12	
French - Third year Conc Enroll 1010	03030013031	10 12	Year Long - This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
French - Fourth year Conc Enroll 102	03030013041	10 12	Year Long - This course offers advanced studies and a continuation of French 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
French - Fifth year Conc Enroll 2010	03030013051	09 12	Year Long - This course offers advanced studies and a continuation of French 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
German - High school third year	03040000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
German Third Year- Honors	03040000035	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
German - High school fourth year	03040000041	09 12	This course is similar to German 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
German - High school fifth year	03040000051	09 12	This course offers advanced studies and a continuation of German 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
A.P. German - Language	03040000081	09 12	This course is intended for qualified students in the final stages of their secondary school training who are interested in completing studies comparable in content and difficulty to a full-year course on Advanced Composition and Conversation at the college level. It also serves as an introduction to literature at the college level. Students who enroll should already have an effective command of grammar and considerable competence in listening, reading, speaking and writing. Many colleges grant up to 12 hours of credit to those who complete the course and pass the national AP examination satisfactorily.
IB German SL	03040000091	11 12	
IB German HL	03040000095	12 12	
German - Third year Conc. Enroll 101	03040013031	09 12	Year Long - This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
German - Fourth year Conc. Enroll 10	03040013041	09 12	Year Long - This course is similar to German 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
German - Fifth year Conc. Enroll 2010	03040013051	09 12	Year Long - This course is similar to German 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Japanese - High school third year	03050000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Japanese - Honors third year	03050000035	09 12	
Japanese - High school fourth year	03050000041	09 12	This course is similar to Japanese 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Japanese - High school fifth year	03050000051	09 12	This course offers advanced studies and a continuation of Japanese 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
A.P. Japanese- Literature	03050000081	09 12	
IB Japanese SL	03050000091	11 12	
Japanese - Third year Conc. Enroll 10	03050013031	09 12	Year Long - This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.

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Japanese - Conc. Enroll 1020	03050013041	09 12	Year Long - This course is similar to Japanese 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Japanese - Conc. Enroll 2010	03050013051	09 12	Year Long - This course offers advanced studies and a continuation of Japanese 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Russian - High school third year	03060000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Russian - Honors third year	03060000035	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Russian - High school fourth year	03060000041	09 12	This course is similar to Russian 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Russian - High school fifth year	03060000051	09 12	This course offers advanced studies and a continuation of Russian 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Russian - Conc. Enroll 1010	03060013031	09 12	Year Long - This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Russian - Conc. Enroll 1020	03060013041	09 12	Year Long - This course is similar to Russian 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Russian - Conc. Enroll 2010	03060013051	09 12	Year Long - This course offers advanced studies and a continuation of Russian 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Spanish - High school third year	03070000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Spanish - Honors third year	03070000035	09 12	
Spanish - High school fourth year	03070000041	09 12	This course is similar to Spanish 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Spanish - High school fifth year	03070000051	09 12	This course offers advanced studies and a continuation of Spanish 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
year A.P. Spanish - Language	03070000081	09 12	This course is intended for qualified students in the final stages of their secondary school training who are interested in completing studies comparable in content and difficulty to a full-year course on Advanced Composition and Conversation at the college level. It also serves as an introduction to literature at the college level. Students who enroll should already have an effective command of grammar and considerable competence in listening, reading, speaking and writing. Many colleges grant up to 12 hours of credit to those who complete the course and pass the national AP examination satisfactorily.
A.P. Spanish - Literature	03070000085	10 12	
IB Spanish SL	03070000091	11 12	
IB Spanish HL	03070000095	11 12	
Spanish - Third year Conc. Enroll 101	03070013031	09 12	Year Long - This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Spanish - Fourth year Conc. Enroll 10	03070013041	09 12	Year Long - This course is similar to Spanish 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Spanish - Fifth year Conc. Enroll 2010	03070013051	10 12	Year Long - This course offers advanced studies and a continuation of Spanish 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Spanish/Spanish - High school third y	03080000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Spanish/Spanish third Year - Honors	03080000035	09 12	
Spanish/Spanis - High school fourth y	03080000041	09 12	This course is similar to Spanish 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Spanish/Spanish - High school fifth ye	03080000051	09 12	This course offers advanced studies and a continuation of Spanish 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Spanish/Spanis - Internat'l Baccalaure	03080000091	09 12	

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Latin - High school third year	0310000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Latin third year- Honors	0310000035	09 12	
Latin - High school fourth year	0310000041	09 12	This course is similar to Latin 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Latin - High school fifth year	0310000051	09 12	This course offers advanced studies and a continuation of Latin 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
A.P. Latin - Vergil	0310000081	09 12	
A.P. Latin - Literature	0310000085	10 12	
IB Classical Latin SL	0310000091	11 12	
Navajo - High school third year	0314000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Navajo third year- Honors	0314000035	09 12	
Navajo - High school fourth year	0314000041	09 12	This course is similar to Navajo 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Navajo - High school fifth year	0314000051	09 12	This course offers advanced studies and a continuation of Navajo 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Ute - High school third year	0315000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Ute third Year- Honors	0315000035	09 12	
Ute - High school fourth year	0315000041	09 12	This course is similar to Ute 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Ute - High school fifth year	0315000051	09 12	This course offers advanced studies and a continuation of Ute 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Italian - High school third year	0317000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Italian third year- Honors	0317000035	09 12	
Italian - High school fourth year	0317000041	09 12	This course is similar to Italian 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Italian - High school fifth year	0317000051	09 12	This course offers advanced studies and a continuation of Italian 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Italian Conc. Enroll 1010	03170013031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Italian Conc. Enroll 1020	03170013041	09 12	Year Long - This course is similar to Italian 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Italian Conc. Enroll 2010	03170013051	09 12	Year Long - This course offers advanced studies and a continuation of Italian 4 with emphasis on conversation, reading of the classics and cultural presentations. The course is intended to develop fluency and mastery of idiomatic expressions.
Hebrew - High school third year	0319000031	09 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Arabic - Third Year	0321000031	07 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Arabic - Fourth Year	0321000041	07 12	This course is similar to Arabic 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Farsi - Third Year	0322000031	07 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.

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Language Arts	Core Code	Grade Range	Course Description
Farsi - Fourth Year	03220000041	07 12	This course is similar to Farsi 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Hindi - Third Year	03230000031	07 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Hindi - Fourth Year	03230000041	07 12	This course is similar to Hindi 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Korean - Third Year	03240000031	07 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Korean - Fourth Year	03240000041	07 12	This course is similar to Korean 3 but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Portuguese - Third Year	03250000031	07 12	
Portuguese - Fourth Year	03250000041	07 12	
Turkish- Third Year	03270000031	07 12	This course stresses reading, writing and speaking skills as well as the use of more elaborate grammar structures. Aural comprehension, oral practice, culture and history of a country are emphasized as they relate to the reading program.
Turkish- Fourth Year	03270000041	07 12	This course is similar to Turkish 3, but is more advanced. It includes reading literary excerpts, novels and plays; speaking by preparing talks and participating in class discussions with increased emphasis on conversational ability; writing poems, letters, etc.
Basic Reading Skills	06010000032	11 12	Consists of reading skills and strategies for struggling readers
Basic Writing Skills	06010000033	11 12	Consists of reading skills and strategies for struggling writers
College Preparation	06010000040	07 12	A language arts course applying language arts skills to pre-college material
Debate	06010000050	07 12	Teaches the fundamentals of forensics
Debate 2	06010000051	08 12	Gives students continuing experience in competitive forensics
Debate 3	06010000052	09 12	An advanced course in forensics (speech/debate)
Literary Magazine	06010000072	11 12	A class that produces a publication of student creative work
Literature	06010000075	11 12	A course concentrating on a genre or a period of literature
Humanities	06010000080	07 12	Concentrates on all genres of art: dance, music, literature, art--and its connection to culture
Journalism	06010000090	07 12	A class that produces a newspaper
Journalism 2	06010000091	11 12	A class that produces a newspaper
A.P. English Language	06010000092	11 12	An advanced placement course concentrating on writing and the structure of language
A.P. Literature & Composition	06010000093	11 12	An advanced placement course concentrating on literature interpretation
Creative Writing 1	06010000120	07 12	Teaches the skills and strategies necessary to write creatively
Creative Writing 2	06010000121	11 12	Teaches the skills and strategies necessary to write creatively
Applied Communication I Conc Enroll	06010013020	10 12	A course that applies the skills learned in Language Arts to the world of work
College Preparation Conc. Enroll	06010013040	09 12	A language arts course applying language arts skills to pre-college material
Literature Conc. Enroll	06010013075	11 12	A course concentrating on a genre or a period of literature
Film Conc. Enroll	06010013077	09 12	Teaches the basics of film production
Literature & Film Conc. Enroll	06010013078	12 12	Compares and contrasts literature with the film that results from its use
Humanities Conc. Enroll	06010013080	09 12	Concentrates on all genres of art: dance, music, literature, art--and its connection to culture
Speech Conc. Enroll	06010013110	09 12	Teaches the skills and strategies of good public speaking
Intro to Expository Writing Conc Enroll	06010013115	11 12	A beginning course in expository and academic writing
Creative Writing 1 Conc. Enroll	06010013120	10 12	Teaches the skills and strategies necessary to write creatively
Creative Writing 2 Conc. Enroll	06010013121	11 12	Teaches the skills and strategies necessary to write creatively
Mythology Conc Enroll	06010013130	11 12	Explores the various archetypes in mythology
Shakespeare Conc. Enroll	06010013140	11 12	An exploration of Shakespeare's plays and sonnets
Language Arts 12	06020000070	12 12	A grade level appropriate exploration of reading, writing, and inquiry

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LA 12-Tech & Professional Communc	06020000075	12 12	The purpose of this course is to introduce students to technical and professional communication and its application to problem solving. Students will define and produce technical and professional communication. They will use inquiry based learning to guide their critical reading and writing experiences and will identify objectives, analyze audiences and produce oral and written communication within specialized genres to solve a problem. At all stages of the writing process students will work in teams to research, plan, draft, edit, review and revise their documents. Ethics, cultural awareness, and civic responsibility will guide research and decision making throughout the course.
IB English A1 12th Grade SL	06020000077	12 12	
IB English A1 HL	06020000080	12 12	
Language Arts 12 Conc. Enroll	06020013070	12 12	A course in reading, writing, and inquiry for college bound students
Language Arts 12 - Special Ed	06020023060	12 12	A course in reading, writing, and inquiry for students who qualify under an IEP
Business Communication I	32020000110	10 12	Business Communications impacts all aspects of our lives. This introductory course will teach students to communicate in a clear, courteous, concise, and correct manner on both personal and professional levels. Competency will be developed in oral, written, social, technological, employment, and organizational communication. Listening skills will be incorporated throughout the semester. The overriding goal is to provide students with a solid communication base so they are able to function effectively in any course of study and in our global society. Note: Educators who use these communications standards should also refer to international business and information processing core standards to identify additional standards and performance expectations which might be incorporated in this course.
Business Communication II	32020000111	10 12	This advanced course will build upon the skills acquired in Business Communications I. Students will focus on additional methods of constructive communication skills. Competency will again be developed in oral, written, social, technological, employment, and organizational communication with listening skills incorporated throughout the semester. The goal is to provide students with a practical, proficient portfolio consisting of a resume, job application, and an oral presentation. Students will complete the course with a greater understanding of the impact of technology and the need for effective communication skills to advance in a business career.
Business Communication I Conc. Enr	32020013110	10 12	Business Communications impacts all aspects of our lives. This introductory course will teach students to communicate in a clear, courteous, concise, and correct manner on both personal and professional levels. Competency will be developed in oral, written, social, technological, employment, and organizational communication. Listening skills will be incorporated throughout the semester. The overriding goal is to provide students with a solid communication base so they are able to function effectively in any course of study and in our global society. Note: Educators who use these communications standards should also refer to international business and information processing core standards to identify additional standards and performance expectations which might be incorporated in this course.
Business Communication II Conc. Enr	32020013111	10 12	This advanced course will build upon the skills acquired in Business Communications I. Students will focus on additional methods of constructive communication skills. Competency will again be developed in oral, written, social, technological, employment, and organizational communication with listening skills incorporated throughout the semester. The goal is to provide students with a practical, proficient portfolio consisting of a resume, job application, and an oral presentation. Students will complete the course with a greater understanding of the impact of technology and the need for effective communication skills to advance in a business career.

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Mathematics	Core Code	Grade Range	Course Description
Algebra 1A (9-12)	07020000011	09 12	First year of a two-year course in Algebra. Students will become fluent with rational number relationships and operations to develop abstract thought. Linear relationships will be introduced and applied. This course does not fulfill the Algebra requirement for graduation.
Algebra 2 (9-12) Conc. Enroll	07020013020	09 12	Students will conceptualize, analyze, and identify relationships among functions by building on concepts learned in Algebra 1 and Geometry and by extending linear algebra and coordinate geometry to other functions and systems of equations. Class must be approved by USOE and USHE. High school and college credit is available.
Algebra 1A - Special Ed	07020023011	09 12	First year of a two-year course in Algebra. Students will become fluent with rational number relationships and operations to develop abstract thought. Linear relationships will be introduced and applied. This course does not fulfill the Algebra requirement for graduation. For students with disabilities.
A.P. Calculus (AB) (10-12)	07040000001	10 12	Calculus AB is designed to be taught over a full high school academic year. Most of the year will be devoted to topics in differential and integral calculus. Must follow College Board guidelines. Students may receive college credit if they pass final exam.
A.P. Calculus (BC) (10-12)	07040000002	10 12	Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Must follow College Board guidelines. Students may receive college credit if they pass final exam.
Introductory Calculus (10-12)	07040000010	09 12	Non AP Calculus. The purpose of this course is to develop a conceptual understanding of Calculus concepts. Students will study families of functions, with an emphasis on graphical analysis, preparatory to the study of limits and will discover the relationship between the concept of slope and the formal definition of the derivative, with its accompanying applications. Applications of the integral will include both analytic and numerical methods.
Calculus Elective Conc. Enroll	07040013010	09 12	Students will study families of functions, with an emphasis on graphical analysis, preparatory to the study of limits and will discover the relationship between the concept of slope and the formal definition of the derivative, with its accompanying application. Applications of the integral will include both analytic and numerical methods. Class must be approved by USOE and USHE. High school and college credit is available.
Precalculus Elective Conc. Enroll	07040013020	09 12	Students gain a deep understanding of the fundamental concepts of functions, including trigonometric functions. Precalculus is highly recommended preparation for students planning to continue their formal education beyond high school. Class must be approved by USOE and USHE. High school and college credit is available.
A.P. Statistics (10-12)	07060000001	10 12	Students collect and analyze data and explore data through sampling and experimentation. They explore random phenomena and work with statistical inference. Must follow College Board guidelines. Students may receive college credit if they pass the final exam.
Introductory Statistics (10-12)	07060000010	10 12	Statistics and Probability is an introductory course where students critically analyze statistical information about their world and learn to make informed decisions and predictions based on data.
Statistics Elective Conc. Enroll	07060013010	10 12	An introductory course where students critically analyze statistical information about their world. Class must be approved by USOE and USHE. High school and college credit is available.
Mathematics of Personal Finance	07070000020	10 12	For jrs and srs. Includes ideas, concepts, knowledge, skills that will enable students to implement the mathematical skills they need to become wise consumers, savers, investors, credit users, money managers, citizens, and part of a global workforce
Mathematics Essentials	07070000050	09 12	Students improve understanding of basic mathematics concepts including, algebraic reasoning, basic geometry concepts, computational skills, collecting and organizing data, and creating and analyzing graphs. Ideally taught as a Tier 2 or Tier 3 intervention.
College Prep Math	07070000060	11 12	Students will acquire the skills needed to be successful in Math 1050 (College Algebra) through a focus on analysis and use of function.
Modern Mathematics	07070000080	10 12	Students will study a variety of current mathematical topics that develop skill in problem solving and analytical thought through application of mathematical ideas and skills.
Mathematical Decision Making for Life	07070000090	10 12	A four quarter course for seniors covering finance, mathematical modeling, probability and statistics, and making choices. Quarters may be taught independently of one another.
IB Math Studies SL	07070000300	11 12	
IB Mathematics SL	07070000310	10 12	
IB Mathematics HL	07070000315	10 12	
IB Mathematics: Double Blocked SL	07070000320	11 12	
IB Further Mathematics SL	07070000330	11 12	
Accounting I	32020000010	10 12	Students will develop skill beginning with an understanding of the basic elements and concepts of double-entry accounting systems. Skills will include a knowledge of the accounting cycle, entering transactions in journals, posting to ledgers, compiling end-of-period worksheets, adjusting and payroll systems, and writing and communication examples. Proficiency of automated accounting procedures is encouraged.

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Mathematics	Core Code	Grade Range	Course Description
Accounting II	3202000020	10 12	Students will develop advanced skills that build upon those acquired in Accounting I. Additional accounting skills such as reconciling uncollectible accounts, calculating depreciation on assets, interpreting financial information, and calculating notes and interest will be developed. Computerized accounting will again be incorporated as an essential tool where resources are available.
Accounting III	3202000030	11 12	Students will develop an in-depth knowledge of accounting procedures and techniques learned in Accounting I and II. The skills learned previously are expanded to include computerized accounting principles applied to partnerships, corporations, written, and spoken communication skills. Students will increase their knowledge of how computers and accounting software help manage, store, calculate, post, retrieve, and print accounting information. Notes: Some of these standards may be taught in either the third or fourth semester of accounting instruction as determined by the instructor to coordinate with textbook sequences, other teaching materials, and teaching strategies. Certain units in advanced accounting may receive more emphasis due to community needs or the school environment. Specific applications for all areas of the accounting system should be utilized. The availability, however, of hardware and/or software will determine the extent that these objectives can be met.
Accounting IV	3202000040	11 12	With the background of the accounting cycles, students will analyze and interpret financial information using computers and accounting software. Emphasis is placed on decision making in preparation for entry-level accounting clerk positions. Notes: Some of these standards may be taught in either the third or fourth semester of accounting instruction as determined by the instructor to coordinate with textbook sequences, other teaching materials, and teaching strategies. Certain units in advanced accounting may receive more emphasis due to community needs or the school environment. Specific applications for all areas of the accounting system should be utilized. The availability, however, of hardware and/or software will determine the extent that these objectives can be met.
Accounting I Conc. Enroll	32020013010	10 12	Students will develop skill beginning with an understanding of the basic elements and concepts of double-entry accounting systems. Skills will include a knowledge of the accounting cycle, entering transactions in journals, posting to ledgers, compiling end-of-period worksheets, adjusting and payroll systems, and writing and communication examples. Proficiency of automated accounting procedures is encouraged.
Accounting II Conc. Enroll	32020013020	10 12	Students will develop advanced skills that build upon those acquired in Accounting I. Additional accounting skills such as reconciling uncollectible accounts, calculating depreciation on assets, interpreting financial information, and calculating notes and interest will be developed. Computerized accounting will again be incorporated as an essential tool where resources are available.
Accounting III Conc. Enroll	32020013030	11 12	Students will develop an in-depth knowledge of accounting procedures and techniques learned in Accounting I and II. The skills learned previously are expanded to include computerized accounting principles applied to partnerships, corporations, written, and spoken communication skills. Students will increase their knowledge of how computers and accounting software help manage, store, calculate, post, retrieve, and print accounting information. Notes: Some of these standards may be taught in either the third or fourth semester of accounting instruction as determined by the instructor to coordinate with textbook sequences, other teaching materials, and teaching strategies. Certain units in advanced accounting may receive more emphasis due to community needs or the school environment. Specific applications for all areas of the accounting system should be utilized. The availability, however, of hardware and/or software will determine the extent that these objectives can be met.
Accounting IV Conc. Enroll	32020013040	11 12	With the background of the accounting cycles, students will analyze and interpret financial information using computers and accounting software. Emphasis is placed on decision making in preparation for entry-level accounting clerk positions. Notes: Some of these standards may be taught in either the third or fourth semester of accounting instruction as determined by the instructor to coordinate with textbook sequences, other teaching materials, and teaching strategies. Certain units in advanced accounting may receive more emphasis due to community needs or the school environment. Specific applications for all areas of the accounting system should be utilized. The availability, however, of hardware and/or software will determine the extent that these objectives can be met.
Computer Programming I	3502000030	09 12	Recommended full-year course, but can be broken into two semesters. See below: CP-IA Semester. A beginning class in computer programming and applications. Introduces students to the fundamentals of programming, to simple control and data structures, to basic operating system commands, and the use of text files. Students will learn to design, code, and test their own programs. Recommended to start with Scheme. No Skills Certification exam for CP- IA, * Suggested prerequisite: Keyboarding Proficiency, Computer Technology, and completion of or concurrent enrollment in Algebra I. CP-IB Semester. An intermediate class in computer programming and applications. Reviews and builds on the concepts introduced in CP-IA. Introduces students to more complex data structures and their uses, to sequential files, to arrays, to graphical user interfaces (GUI), to the use of classes, and to recursive processes. Students will learn to create more powerful programs. Skill Certification Exam #802 CP I.

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Mathematics	Core Code	Grade Range	Course Description
Computer Programming II	35020000040	10 12	CP-II Full-year suggested. An advanced class in computer programming and application development. Reviews and builds on the concepts introduced in CP-I. Introduces students to dynamic allocation of data, to creation and utilization of classes, to advanced GUI techniques, and to advanced applications of recursion. *Suggested prerequisite: Successful completion of CP-I.
Computer Programming I Conc. Enrol	35020013030	09 12	Recommended full-year course, but can be broken into two semesters. See below: CP-IA Semester. A beginning class in computer programming and applications. Introduces students to the fundamentals of programming, to simple control and data structures, to basic operating system commands, and the use of text files. Students will learn to design, code, and test their own programs. Recommended to start with Scheme. No Skills Certification exam for CP- IA, * Suggested prerequisite: Keyboarding Proficiency, Computer Technology, and completion of or concurrent enrollment in Algebra I. CP-IB Semester. An intermediate class in computer programming and applications. Reviews and builds on the concepts introduced in CP-IA. Introduces students to more complex data structures and their uses, to sequential files, to arrays, to graphical user interfaces (GUI), to the use of classes, and to recursive processes. Students will learn to create more powerful programs. Skill Certification Exam #802 CP I.
Computer Programming II Conc. Enro	35020013040	10 12	CP-II Full-year suggested. An advanced class in computer programming and application development. Reviews and builds on the concepts introduced in CP-I. Introduces students to dynamic allocation of data, to creation and utilization of classes, to advanced GUI techniques, and to advanced applications of recursion. *Suggested prerequisite: Successful completion of CP-I.

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Science	Core Code	Grade Range	Course Description
A.P. Biology	0802000001	10 12	This course provides in-depth coverage of the biological concepts taught in first year university biology courses and prepares students for the national AP Biology exam. Must follow College Board guidelines. Students may receive college credit if they pass final exam.
Biology	0802000010	09 12	This course includes the topics of ecosystems, cells, heredity, diversity, organ systems and evolution. Students will explain biological ideas or concepts in their own words relate them to other topics and apply them in new contexts.
Biology Elective	0802000012	09 12	
IB Biology SL	0802000015	11 12	
IB Biology HL	0802000016	12 12	
Biology/Agriculture Science & Techno	0802000020	09 12	This course is designed to meet the requirements for biological science credit. It is a hands-on way to earn biology credit with an emphasis on agriculture as it relates to nursery operation and landscape management. For Science Credit. See 30-02-00-00-050 for CTE cred
Botany	0802000030	10 12	Botany is the study of plants. In this course, students will focus on plant organs and tissues and how they function. Specific attention will be paid to the structure and function of roots, stems and leaves. In addition, students will learn about plant growth, reproduction, environmental response and diseases while becoming aware of the importance of plants in our daily lives. Various laboratory exercises will be utilized to accompany class material, including some outdoor studies.
Genetics	0802000040	10 12	
Human Biology	0802000050	10 12	This course is an introduction to scientific inquiry with special emphasis on the structure and function of cells, tissues, organs, and systems of the human body. Topics relate to fitness, nutrition, health, inheritance, evolution, and ecology.
Human Physiology	0802000060	10 12	Basic concepts of human physiology, including an introduction to physiological control mechanisms operating at cellular, tissue, organ, and systems levels are the foundation of this course.
Anatomy and Physiology	0802000065	09 12	The Anatomy and Physiology course will study the shape, structure, and function of the human body and its parts. Content includes: basic anatomy and directional terminology, structure and function of body systems and special senses, fundamental concepts and principles of body organization, histology, and hematology.
Wildlife Biology	0802000070	10 12	Ecology is the study of the relationship between living things and their environment. This course will focus on the concepts of the food web, symbiotic relationships, carrying capacity, and succession of natural environments, habitat, niche and the biomes of the earth.
Zoology	0802000080	10 12	This course surveys the animal kingdom. Detailed study of representative organisms is made to illustrate structural advancements as they appear in the animal kingdom. Issues relating to wildlife management and natural history of the vertebrates will be stressed. Lab work is involved.
Biology with Lab Conc. Enroll	08020013010	09 12	This course includes the topics of ecosystems, cells, heredity, diversity, organ systems and evolution. Students will explain biological ideas or concepts in their own words relate them to other topics and apply them in new contexts. Class must be approved by USOE and USHE. High school and college credit is available.
Biology Elective Conc. Enroll	08020013012	09 12	
Biology/Agriculture Sci & Technol Con	08020013020	09 12	This course is designed to meet the requirements for biological science credit. It is a hands-on way to earn biology credit with an emphasis on agriculture as it relates to nursery operation and landscape management. Class must be approved by USOE and USHE. High school and college credit is available. For Science Credit. See 30-02-00-00-050 for CTE credit.
Botany Conc. Enroll	08020013030	10 12	Botany is the study of plants. In this course, students will focus on plant organs and tissues and how they function. Specific attention will be paid to the structure and function of roots, stems and leaves. In addition, students will learn about plant growth, reproduction, environmental response and diseases while becoming aware of the importance of plants in our daily lives. Various laboratory exercises will be utilized to accompany class material, including some outdoor studies. Class must be approved by USOE and USHE. High school and college credit is available.
Genetics Conc. Enroll	08020013040	10 12	
Human Biology Conc. Enroll	08020013050	10 12	This course is an introduction to scientific inquiry with special emphasis on the structure and function of cells, tissues, organs, and systems of the human body. Topics relate to fitness, nutrition, health, inheritance, evolution, and ecology. Class must be approved by USOE and USHE. High school and college credit is available.
Human Physiology Conc. Enroll	08020013060	10 12	Basic concepts of human physiology, including an introduction to physiological control mechanisms operating at cellular, tissue, organ, and systems levels are the foundation of this course. Class must be approved by USOE and USHE. High school and college credit is available.
Anatomy and Physiology Conc. Enroll	08020013065	09 12	The Anatomy and Physiology course will study the shape, structure, and function of the human body and its parts. Content includes: basic anatomy and directional terminology, structure and function of body systems and special senses, fundamental concepts and principles of body organization, histology, and hematology. Class must be approved by USOE and USHE. High school and college credit is available.
Biology - Special Ed	08020023010	09 12	This course includes the topics of ecosystems, cells, heredity, diversity, organ systems and evolution. Students will explain biological ideas or concepts in their own words relate them to other topics and apply them in new contexts. For students with disabilities.

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Science	Core Code	Grade Range	Course Description
A.P. Chemistry	0803000001	10 12	This course provides an in-depth, mathematics-intensive coverage of the chemistry concepts that are taught in first year university chemistry courses. Must follow College Board guidelines. Students may receive college credit if pass final exam.
Chemistry (9-12)	0803000010	09 12	This course includes the topics of atoms, energy, chemical bonds, chemical reactions and solutions. Students develop an understanding of chemical concepts and determine the relevance of chemistry in their lives.
Chemistry with Lab	0803000012	10 12	
IB Chemistry SL	0803000015	11 12	
IB Chemistry HL	0803000016	12 12	
Chemistry Elective Conc. Enroll	08030013010	09 12	This course includes the topics of atoms, energy, chemical bonds, chemical reactions and solutions. Students develop an understanding of chemical concepts and determine the relevance of chemistry in their lives. Class must be approved by USOE and USHE. High school and college credit is available.
Chemistry with Lab Conc. Enroll	08030013012	10 12	
A.P. Environmental Science	0804000001	10 12	This course is a study of the human impacts on nature. We will focus on the following topics: Environmental problems, causes and solutions; Ecological principles, cycles and systems; Population growth and dynamics; Pollution of water, soil and air; Energy production, consumption and efficiency; and Biodiversity, conservation and land use. Students will be engaged in discussions, labs, field studies. Must follow College Board guidelines. Students may receive college credit if they pass final exam.
Earth Systems (Grade 9)	08040000010	09 12	This course integrates content from earth, physical, space and life sciences. Students develop an understanding of interactions and interdependence within and between earth systems and biological systems, atmospheric systems, water systems, geologic systems energy systems and space.
Environmental Science	08040000020	10 12	This course is a study of the human impacts on nature. We will focus on the following topics: Environmental problems, causes and solutions; Ecological principles, cycles and systems; Population growth and dynamics; Pollution of water, soil and air; Energy production, consumption and efficiency; and Biodiversity, conservation and land use. Students will be engaged in discussions, labs, field studies.
Investigation Science	08040000025	09 12	
Geology	08040000030	09 12	Basic concepts of geology will be studied. Formation of rocks, erosion and landscape evolution, plate tectonics, interpretation of earth processes from geological data are the foundation of this course.
Marine Biology/Oceanography	08040000040	10 12	The marine biology course is designed to introduce students to marine ecosystems, including the great diversity of marine organisms and their coastal and oceanic environments. The emphasis is on basic principles that help us to understand the processes that shape life in marine environments.
Meteorology	08040000050	10 12	This course focuses on introducing the student to basic concepts involved in the analysis of weather phenomena on a global and local scale. Major topics include heat balance, atmospheric stability, precipitation processes, cyclonic activity, severe weather, weather analysis, and very basic weather forecasting techniques.
IB Environmental Science & Societies	08040000060	11 12	
Environmental Science Conc. Enroll	08040013020	10 12	This course is a study of the human impacts on nature. We will focus on the following topics: Environmental problems, causes and solutions; Ecological principles, cycles and systems; Population growth and dynamics; Pollution of water, soil and air; Energy production, consumption and efficiency; and Biodiversity, conservation and land use. Students will be engaged in discussions, labs, field studies. Class must be approved by USOE and USHE. High school and college credit is available.
Geology Conc. Enroll	08040013030	09 12	Basic concepts of geology will be studied. Formation of rocks, erosion and landscape evolution, plate tectonics, interpretation of earth processes from geological data are the foundation of this course. Class must be approved by USOE and USHE. High school and college credit is available.
Marine Biology/Oceanography Conc.	08040013040	10 12	The marine biology course is designed to introduce students to marine ecosystems, including the great diversity of marine organisms and their coastal and oceanic environments. The emphasis is on basic principles that help us to understand the processes that shape life in marine environments. Class must be approved by USOE and USHE. High school and college credit is available.
Meteorology Conc. Enroll	08040013050	10 12	This course focuses on introducing the student to basic concepts involved in the analysis of weather phenomena on a global and local scale. Major topics include heat balance, atmospheric stability, precipitation processes, cyclonic activity, severe weather, weather analysis, and very basic weather forecasting techniques. Class must be approved by USOE and USHE. High school and college credit is available.
Earth Systems (Grade 9) - Special Ed	08040023010	09 12	This course integrates content from earth, physical, space and life sciences. Students develop an understanding of interactions and interdependence within and between earth systems and biological systems, atmospheric systems, water systems, geologic systems energy systems and space. For students with disabilities.
A.P. Physics	0806000001	10 12	This course provides an in-depth, mathematics-intensive coverage of the physics concepts that are taught in first-year university physics courses and prepares students for the national AP physics exam. Must follow College Board guidelines. Students may receive college credit if they pass final exam.

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Science	Core Code	Grade Range	Course Description
Astronomy	08060000010	10 12	The underlying principles of life, earth, and physical science are integrated in this study of the universe. Historical astronomy, the solar system, comets, constellations, extraterrestrial life, and the evolution of stars are the major topics of study. Observational astronomy skills and critical thinking are fostered through the use of laboratory and field activities.
Physics (10-12)	08060000020	10 12	The three topics covered in physics are matter, motion and energy. Everything is part of a system, whether it is book on a table, a cog in a machine, a satellite in orbit or a complex electrical circuit. Physics topics will be developed around systems and the nature of science.
IB Physics SL	08060000025	11 12	
IB Physics HL	08060000026	12 12	
Physics with Technology (Science)	08060000030	09 12	This course covers the topics of matter; motion and energy through hands on, practical applications of the main concepts to mechanical, fluid, thermal and electrical systems. The curriculum is built around a specific set of laboratory materials. It is for students who desire a background course for future science or technology-related careers. Building projects is part of the class. For Science Credit. See 38-01-00-00-080 for CTE credit.
Aerospace	08060000040	10 12	
Aeronautics	08060000050	09 12	
Astronomy Conc. Enroll	08060013010	10 12	The underlying principles of life, earth, and physical science are integrated in this study of the universe. Historical astronomy, the solar system, comets, constellations, extraterrestrial life, and the evolution of stars are the major topics of study. Observational astronomy skills and critical thinking are fostered through the use of laboratory and field activities. Class must be approved by USOE and USHE. High school and college credit is available.
Physics with Lab Conc. Enroll	08060013020	10 12	The three topics covered in physics are matter, motion and energy. Everything is part of a system, whether it is book on a table, a cog in a machine, a satellite in orbit or a complex electrical circuit. Physics topics will be developed around systems and the nature of science. Class must be approved by USOE and USHE. High school and college credit is available.
Agricultural Science I	30010000050	09 12	A one-year introductory course in agricultural business, plant and animal sciences, and basic agricultural mechanics skills that generally prepare individuals to apply the principles involved in the organization, operation, and management of agricultural businesses.
Agricultural Science II	30010000060	10 12	The second year of basic instruction in agricultural business, plant and animal sciences, agricultural mechanics skills that generally prepares individuals to apply the economic and business principles involved in the organization and management of agricultural businesses.
Agricultural Science III	30010000070	11 12	The third year of instruction provides for preparation for employment in agriculture. This course is more specific than Agricultural Science and Technology I and II, and is consistent with the student's selection of his/her career choice in agriculture. The course is an articulation of the skills and knowledge taught in Agricultural Science and Technology I and II. Agricultural mechanization, plant science, animal science, entomology, and plant pathology will be covered in the appropriate mix.
Agricultural Science IV	30010000080	12 12	The fourth year of instruction provides for preparation for employment in agriculture. This course is more specific than Agricultural Science and Technology III, and is consistent with the student's selection of his/her career choice in agriculture. The course is an articulation of the skills and knowledge taught in Agricultural Science and Technology I, II, and III. Agricultural mechanization, plant science, animal science, entomology, and plant pathology will be covered in the appropriate mix, as determined by local needs and adaptations.
Aquaculture, Advanced	30010000115	10 12	This course is a continuation of the introductory aquaculture course and provides for an articulation of the competencies covered in the first course. Emphasis will be on the management of fish and water resources and the management of recreational and commercial fishing activities.
Aquaculture, Introductory	30010000116	09 12	An instructional course that describes the scientific study of the husbandry of fish populations for recreational, ecological, and commercial purposes, and the application of such studies to the management of marine life resources and fisheries. The course includes instruction in principles of aquatic and marine biology, water resources, fishing production and management operations, fishing regulations, water quality monitoring, and the management of recreational and commercial fishing activities.
Agricultural Science I Conc. Enroll	30010013050	09 12	A one-year introductory course in agricultural business, plant and animal sciences, and basic agricultural mechanics skills that generally prepare individuals to apply the principles involved in the organization, operation, and management of agricultural businesses.
Animal Science II	30020000001	11 12	This course is designed to introduce students to the field of livestock production. A historical perspective of the industry is also included.
Plant and Soil Science II	30020000010	11 12	Advanced plant science and technology is an introduction into the art and science of field crop production. Students gain good knowledge of world food crops in relation to world population, soil, and crop management, and topics relating to modern agricultural chemicals.

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Science	Core Code	Grade Range	Course Description
Agricultural Biotechnology	3002000020	09 12	This course will provide students with an appreciation for living systems as applied to the science of food and fiber production and food processing. This course also describes and applies the principles and practices of biotechnology research and production, and will prepare individuals to apply this knowledge and skills as the solution to practical agricultural problems.
Animal Science I	3002000040	09 12	This course exposes students to a wide range of scientific principles, such as genetics, anatomy, physiology/nutrition, disease, pests, and management practices. The science processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized.
Biology - Agricultural Science	3002000050	09 12	This course is designed to meet the requirement for biological science credit. The standards and objectives for this course are the same as the standards and objectives for Biology, with the only difference being the degree of emphasis on agriculture. Students completing this course will be cognizant of current technologies, methods, and changes in agricultural science and are expected to know and apply the standards outlined in the core curriculum as they relate to the industry of agriculture.
Plant and Soil Science I	3002000080	09 12	An instructional course that emphasizes a pragmatic approach to scientific principles in plant and soil science and technology utilizing available classroom, greenhouse, land-laboratories, and commercial operations to enhance learning.
Veterinary Assistant	3002000090	09 12	This course prepares students to support veterinarians by providing assistance during animals examinations, treatment administration, and monitoring. They also learn to keep animal and health records and perform a wide range of practical duties.
Vet Science: Veterinary Technician	3002000095	11 12	This course is designed for students who have previously taken the Veterinary Assisting course and wish to further their education and training in the veterinary field. The Veterinary Technician course expands student knowledge, reinforces skills previously learned, and builds proficiency in highly scientific areas, such as pharmacology, anesthesiology, radiology and imaging, fluid therapy, and critical care nursing.
Animal Science II Conc. Enroll	30020013001	11 12	This course is designed to introduce students to the field of livestock production. A historical perspective of the industry is also included.
Natural Resource Science I	30030000001	09 12	An instructional course that includes instruction on the importance of production, management, and conservation of our natural resources, ecology, and fish and wildlife. Field and laboratory experiences should be emphasized.
Natural Resource Science II	30030000010	10 12	An instructional course that stresses the biological, environmental, and economic importance of our renewable and nonrenewable natural resources. Forest and range products and their benefits to the economy are discussed. Field and laboratory experiences should be emphasized.
Biotechnology	36010000080	11 12	An exploratory course designed to create an awareness of career possibilities in the field of biotechnology. Students are introduced to diagnostic and therapeutic laboratory procedures that support bioscience research and practice.
Medical Anatomy & Physiology	36010000110	10 12	This full-year course provides students with an in-depth study of health care careers including actual clinical experience in a variety of areas. Instruction includes intermediate anatomy & physiology, medical terminology, diseases and disorders, medical ethics and first aid. The class is designed to prepare students for the Advanced Health Science course and/or for a variety of health technology programs.
Biotechnology Conc Enroll	36010013080	11 11	An exploratory course designed to create an awareness of career possibilities in the field of biotechnology. Students are introduced to diagnostic and therapeutic laboratory procedures that support bioscience research and practice.
Medical Anatomy & Physiology Conc	36010013110	10 12	This full-year course provides students with an in-depth study of health care careers including actual clinical experience in a variety of areas. Instruction includes intermediate anatomy & physiology, medical terminology, diseases and disorders, medical ethics and first aid. The class is designed to prepare students for the Advanced Health Science course and/or for a variety of health technology programs.
Digital Electronics - PLTW	38010000008	09 11	A course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.
Principles of Engineering - PLTW	38010000078	09 11	A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.
Material Science	38010000092	10 12	Material Science explores the characteristics of solids, metals, ceramics, polymers, and composites. The course investigates basic properties of materials and their application in various manufacturing processes. A strong infusion of chemistry with frequent lab experiments is dominant throughout the course.
Digital Electronics - PLTW Conc Enrol	38010013008	10 11	A course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.
Princ of Engineering - PLTW Conc En	38010013078	09 11	A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

