Subject Area - Integrated Science

Subject Area	Subject Definition	Suggested Subj Area for Credit	Certificate Type	Certificate Code	Certificate Grade Levels	License Type	License Code	License Grade Levels
Science (PreK-3) 132110	Early childhood science course for grades preK-3 which enables all students to develop standards-based knowledge and skills. Course includes changes on the earth and in the sky, living and nonliving environmental resources, rocks and soil, sky and earth cycles; characteristics and diversity of plants and animals, habitats, interactions between living things and their environment, interdependence and survival of plants and animals in Ohio, heredity; characteristics of objects and how they move, forces, physical interactions and changes, sources of energy, light and sound; natural or manmade objects, tools and materials, building/using technology, purpose, process and effects of science and technology; design process; different ways people learn about science, science in all societies, the nature of science investigation; measurement, tools and safety; ethical practices; scientific inquiry involving wondering, questioning, investigating, and communicating.	N/A	EL - Elementary (1-8)		1 - 8	EC - Early Childhood (PS-3)		P - 3
			EL - Elementary (1-8)	180105-Kindergarten-Primary	K - 8			
			EL - Elementary (1-8)	180106-Kindergarten-Elementary	K - 8			
			KE - Kindergarten-Elementary (K-8)		K - 8			
			KP - Kindergarten-Primary (K-3)		K - 3			
Science (4-6) 132120	Middle childhood science course for grades 4-6 which enables all students to develop standards-based knowledge and skills. Course includes rocks, weather, erosion, the Earth and it's place in the solar system; diversity of animal classifications and adaptations, plant classifications and adaptations, ecosystems; forces and motion, physical and chemical changes in matter, thermal and electric energy and energy transfer; renewable and nonrenewable resources ,helpful and harmful results, technology and human lives, design processes, technology and the environment; documentation of science investigations, careers in science, thinking scientifically in daily life; using results and data, explanation of observations and investigations, methods of investigation, facts and theories; safely conducting investigations, measuring and collecting, formulating conclusions, and communicating findings.	N/A	EL - Elementary (1-8)		1 - 8	MC - Middle Childhood (4-9)	130102-Science (4-9)	4 - 9
			KE - Kindergarten-Elementary (K-8)		K - 8	MC - Middle Childhood (4-9)	130155-Middle Childhood Generalist Science 4-6	4 - 6
			KP - Kindergarten-Primary (K-3)	180100-Elementary	K - 8			
			KP - Kindergarten-Primary (K-3)	180106-Kindergarten-Elementary	K - 8			
			MS - Middle School (4-9)	130102-Science (4-9)	4 - 9			
			MS - Middle School (4-9)	130155-Middle Childhood Generalist Science 4-6	4 - 6			

Subject Area - Integrated Science

Subject Area	Subject Definition	Suggested Subj Area for Credit	Certificate Type	Certificate Code	Certificate Grade Levels	License Type	License Code	License Grade Levels
Science (7-8) 132130	Middle childhood science course for grades 7-8 which enables all students to develop standards-based knowledge and skills. Course includes rocks and minerals, weather and climate, space, plate tectonics, theories related to the changes of the Earth's surface; cells, reproduction, diversity and factors of ecosystems, similarities and differences among species, survival of species; chemical and physical changes, nature of energy, conservation of matter and energy, forces and motion, waves; technological design and influences on the quality of life, abilities to do technological design, ethical issues of technology, design solutions, history and relationships between culture, society and technology; skills of scientific inquiry, science practiced in everyday life, validity of scientific experiments, ethical practices, describing and explaining in science; conducting safe investigations using proper tools, applying mathematics skills, evaluating and analyzing variables of data, and drawing valid conclusions based on evidence.	N/A	CH - Comprehensive High School	130175-All Areas Of Science (7-8)	7 - 8	AD - Adolescence to Young Adult	130100-General Science	7 - 12
			EL - Elementary (1-8)		1 - 8	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130100-General Science	7 - 12			
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130301-Chemistry	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
			KE - Kindergarten-Elementary (K-8)		K - 8	AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
			KP - Kindergarten-Primary (K-3)	180100-Elementary	K - 8	AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
			KP - Kindergarten-Primary (K-3)	180106-Kindergarten-Elementary	K - 8	AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
			MS - Middle School (4-9)	130102-Science (4-9)	4 - 9	AD - Adolescence to Young Adult	132150-Physical Sciences: Chemistry	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12
						MC - Middle Childhood (4-9)	130102-Science (4-9)	4 - 9
Integrated Sciences I: Physical Sciences 132212	High school science course that contributes to the Ohio Graduation Test and develops standards-based knowledge and skills. Course includes atoms, chemical reactions, physical properties, mixtures and solutions, laws of motion, forces, energy, waves, historical perspectives and emerging issues; processes within and on the Earth, Earth's history through geologic evidence, resources; relationship between technology and science; diversity of scientific investigations, scientific theories, scientific literacy, scientific conclusions, and modeling investigations.	SCI	CH - Comprehensive High School	130150-General Science (9-12)	9 - 12	AD - Adolescence to Young Adult	130100-General Science	7 - 12
			CH - Comprehensive High School	130312-Chemistry (9-12)	9 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			CH - Comprehensive High School	130322-Physics (9-12)	9 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			CH - Comprehensive High School	130410-Earth Science (9-12)	9 - 12			
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130100-General Science	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
			HS - High School (7-12)	130301-Chemistry	7 - 12	AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
			MS - Middle School (4-9)	130102-Science (4-9)	4 - 9	AD - Adolescence to Young Adult	132150-Physical Sciences: Chemistry	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12
						MC - Middle Childhood (4-9)	130102-Science (4-9)	4 - 9
Integrated Sciences II: Biological Sciences 132214	High school science course that contributes to the Ohio Graduation Test and develops standards-based knowledge and skills. Course includes cells, genetics and DNA, diversity of life, ecology, biological evolution, historical perspectives and emerging issues; processes within and on the Earth, Earth's history through geologic evidence, resources; scientific advances and emerging technologies; nature of science inquiry, ethics in science, science and careers, and modeling investigations.	SCI	CH - Comprehensive High School	130150-General Science (9-12)	9 - 12	AD - Adolescence to Young Adult	130100-General Science	7 - 12
			CH - Comprehensive High School	130205-Biological Science (9-12)	9 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			CH - Comprehensive High School	130410-Earth Science (9-12)	9 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130100-General Science	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
			MS - Middle School (4-9)	130102-Science (4-9)	4 - 9	AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
						MC - Middle Childhood (4-9)	130102-Science (4-9)	4 - 9

Subject Area - Integrated Science

Subject Area	Subject Definition	Suggested Subj Area for Credit	Certificate Type	Certificate Code	Certificate Grade Levels	License Type	License Code	License Grade Levels
Integrated Sciences III: Environmental Sciences 132216	High school science course to develop standards-based knowledge and skills. Course includes interactions between humans and the Earth; ecosystems, environmental factors, biological evolution, populations, diversity; matter and energy, relationships; human interactions with science and technology, understanding technology; research, science and society; application of science processes, and techniques and research.	SCI	CH - Comprehensive High School	130205-Biological Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			CH - Comprehensive High School	130410-Earth Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
Intervention Science 132900	High school science course, which includes little or no new content from courses previously taken by students who have taken but have not yet successfully passed the Ohio Graduation Test. The variety of standards-based instruction and assessment strategies used in this course is appropriate to assist student preparation for the Ohio Graduation Test.	SCI	CH - Comprehensive High School	130150-General Science (9-12)	9 - 12	AD - Adolescence to Young Adult	130100-General Science	7 - 12
			CH - Comprehensive High School	130205-Biological Science (9-12)	9 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			CH - Comprehensive High School	130312-Chemistry (9-12)	9 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			CH - Comprehensive High School	130322-Physics (9-12)	9 - 12			
			CH - Comprehensive High School	130410-Earth Science (9-12)	9 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130100-General Science	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
			HS - High School (7-12)	130301-Chemistry	7 - 12	AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132150-Physical Sciences: Chemistry	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12
Physical Sciences 132220	High school science course that contributes to the Ohio Graduation Test and develops standards-based knowledge and skills. Course includes atoms, chemical reactions, physical properties, mixtures and solutions, laws of motion, forces, energy, waves, historical perspectives and emerging issues; relationship between technology and science; diversity of scientific investigations, scientific theories, scientific literacy, scientific conclusions, and modeling investigations.	SCI	CH - Comprehensive High School	130150-General Science (9-12)	9 - 12	AD - Adolescence to Young Adult	130100-General Science	7 - 12
			CH - Comprehensive High School	130312-Chemistry (9-12)	9 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			CH - Comprehensive High School	130322-Physics (9-12)	9 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12			
			HS - High School (7-12)	130100-General Science	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
			HS - High School (7-12)	130301-Chemistry	7 - 12	AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
			MS - Middle School (4-9)	130102-Science (4-9)	4 - 9	AD - Adolescence to Young Adult	132150-Physical Sciences: Chemistry	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12
						MC - Middle Childhood (4-9)	130102-Science (4-9)	4 - 9
Biological Sciences 132230	High school science course that contributes to the Ohio Graduation Test and develops standards-based knowledge and skills. Course includes cells, genetics and DNA, diversity of life, ecology, biological evolution, historical perspectives and emerging issues; scientific advances and emerging technologies; nature of science inquiry, ethics in science, science and careers, and modeling investigations.	SCI	CH - Comprehensive High School	130205-Biological Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
						AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
Environmental Sciences 132350	High school science course to develop standards-based knowledge and skills. Course includes interactions between humans and the Earth; ecosystems, environmental factors, biological evolution, populations, diversity; matter and energy, relationships; human interactions with science and technology, understanding technology; research, science and	SCI	CH - Comprehensive High School	130205-Biological Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			CH - Comprehensive High School	130410-Earth Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12

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Subject Area	Subject Definition	Suggested Subj Area for Credit	Certificate Type	Certificate Code	Certificate Grade Levels	License Type	License Code	License Grade Levels
Environmental Sciences 132350	society; application of science processes, and techniques and research.							
Earth and Space Sciences 132240	High school science course to develop standards-based skills and concepts in the earth and space sciences. Course includes energy in the Earth system, geochemical cycles, origin and evolution of the Earth system, and origin and evolution of the universe.	SCI	CH - Comprehensive High School	130410-Earth Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
Chemistry 130301	The study of the composition, structure, properties of, and changes in matter, including the accompanying energy phenomena.	SCI	CH - Comprehensive High School	130312-Chemistry (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12			
			HS - High School (7-12)	130301-Chemistry	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132150-Physical Sciences: Chemistry	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
Physics 130302	The study of matter and energy, including the study of phenomena associated with mechanics, heat, wave motion, sound, electricity and magnetism, light, and atomic and nuclear structure.	SCI	CH - Comprehensive High School	130322-Physics (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12			
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12
Advanced Biology 132330	Advanced high school course that contributes to competencies beyond the Ohio Graduation Test. Course develops specialized content to extend connections, depth, and detail of biology, including concepts in anatomy, physiology, ecology, behavior, evolution, genetics, cell biology, microbiology, diversity, growth, and human biology.	SCI	CH - Comprehensive High School	130205-Biological Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
						AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
Advanced Chemistry 132326	Advanced high school course that contributes to competencies beyond the Ohio Graduation Test. Course develops specialized content to extend connections, depth, and detail of chemistry, including concepts in inorganic, organic, analytical, physical and biochemistry.	SCI	CH - Comprehensive High School	130312-Chemistry (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12			
			HS - High School (7-12)	130301-Chemistry	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132150-Physical Sciences: Chemistry	7 - 12
Advanced Earth and Space Sciences 132340	Advanced high school course that contributes to competencies beyond the Ohio Graduation Test. Course develops specialized content to extend connections, depth, and detail of the major concepts and principles of earth and space sciences, astronomy, oceanography, meteorology, geology, and natural resources.	SCI	CH - Comprehensive High School	130410-Earth Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
Advanced Physics 132325	Advanced high school course that contributes to competencies beyond the Ohio Graduation Test. Course develops specialized content to extend connections, depth, and detail of physics, including concepts in mechanics, electricity, magnetism, thermodynamics, waves, optics, atomic and nuclear physics, radioactivity, relativity, and quantum mechanics.	SCI	CH - Comprehensive High School	130322-Physics (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12			
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12

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Subject Area	Subject Definition	Suggested Subj Area for Credit	Certificate Type	Certificate Code	Certificate Grade Levels	License Type	License Code	License Grade Levels
AP Biology 139903	Course based on the current program syllabus for Advanced Placement Biology and prepares students for the Advanced Placement examination provided by the College Board.	SCI	CH - Comprehensive High School	130205-Biological Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
						AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
AP Physics B 139905	Course based on the current program syllabus for Advanced Placement Physics B and prepares students for the Advanced Placement examination provided by the College Board.	SCI	CH - Comprehensive High School	130322-Physics (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12			
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12
AP Physics C - Electricity & Magnetism 139940	Course based on the current program syllabus for Advanced Placement Physics C: Electricity & Magnetism and prepares students for the Advanced Placement examination provided by the College Board.	SCI	CH - Comprehensive High School	130322-Physics (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12			
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12
AP Physics C - Mechanics 139950	Course based on the current program syllabus for Advanced Placement Physics C: Mechanics and prepares students for the Advanced Placement examination provided by the College Board.	SCI	CH - Comprehensive High School	130322-Physics (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12			
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12
AP Chemistry 139906	Course based on the current program syllabus for Advanced Placement Chemistry and prepares students for the Advanced Placement examination provided by the College Board.	SCI	CH - Comprehensive High School	130312-Chemistry (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12			
			HS - High School (7-12)	130301-Chemistry	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132150-Physical Sciences: Chemistry	7 - 12
AP Environmental Science 139930	Course based on the current program syllabus for Advanced Placement Environmental Science and prepares students for the Advanced Placement examination provided by the College Board.	SCI	CH - Comprehensive High School	130205-Biological Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			CH - Comprehensive High School	130410-Earth Science (9-12)	7 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
						AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
						AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
						AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
Other Science 139999	A course that is offered for high school credit to be applied toward the diploma, but that is different in scope from any of the other SUBJECT CODES described above.	SCI	CH - Comprehensive High School	130150-General Science (9-12)	9 - 12	AD - Adolescence to Young Adult	130100-General Science	7 - 12
			CH - Comprehensive High School	130205-Biological Science (9-12)	9 - 12	AD - Adolescence to Young Adult	132010-Integrated Science	7 - 12
			CH - Comprehensive High School	130312-Chemistry (9-12)	9 - 12	AD - Adolescence to Young Adult	132020-Physical Science/Physics & Chemistry	7 - 12
			CH - Comprehensive High School	130322-Physics (9-12)	9 - 12			
			CH - Comprehensive High School	130410-Earth Science (9-12)	9 - 12	AD - Adolescence to Young Adult	132030-Life Sciences	7 - 12
			HS - High School (7-12)	130000-Comprehensive Science (7-12)	7 - 12	AD - Adolescence to Young Adult	132034-Life Sciences/Earth Sciences	7 - 12
			HS - High School (7-12)	130100-General Science	7 - 12	AD - Adolescence to Young Adult	132035-Life Sciences/Physics	7 - 12
			HS - High School (7-12)	130200-Biological Science	7 - 12	AD - Adolescence to Young Adult	132036-Life Sciences/Chemistry	7 - 12
			HS - High School (7-12)	130300-Physical Science	7 - 12	AD - Adolescence to Young Adult	132040-Earth Sciences	7 - 12
			HS - High School (7-12)	130301-Chemistry	7 - 12	AD - Adolescence to Young Adult	132045-Earth Sciences/Physics	7 - 12
			HS - High School (7-12)	130302-Physics	7 - 12	AD - Adolescence to Young Adult	132046-Earth Sciences/Chemistry	7 - 12
			HS - High School (7-12)	130400-Earth Science	7 - 12	AD - Adolescence to Young Adult	132150-Physical Sciences: Chemistry	7 - 12
						AD - Adolescence to Young Adult	132160-Physical Sciences: Physics	7 - 12