MANDATED UNITS OF STUDY – SURVEY FORM – ROE 3

Below you will find listed areas of study that are mandated by the Illinois School Code and the Illinois Administrative Code. Statutory and regulatory references are included for all curriculum areas and should be reviewed carefully to ensure that schools are meeting all requirements.

<u>Grade Level Taught</u>: The Codes specify the grade levels to receive the curriculum. Indicate at what grade level(s) is the unit taught. <u>How is the Mandate Taught</u>: Provide written verification that the unit of study is being taught and indicate the reference key. <u>Unless specified</u>, "<u>Elementary</u>" includes K-8th grades

Reference Key: 1 = Assemblies; 2 = Cassettes/CD; 3 = Daily Routine; 4 = Discussions; 5 = Field Trips; 6 = Video; 7 = Magazines; 8 = Newspapers; 9 = Projects; 10 = Simulations; 11 = Speakers; 12 = Supplementary Books/Pamphlets; 13 = Textbooks; 14 = Other

SCHOOL DISTRICT & BUILDING NAME: _____ GRADE LEVELS: _____

Curriculum Area	Grade Level(s) Taught	Summary of Requirements ⁱ	How is the mandate taught
Health, Physical Education, and Safety			
Health Education, which must include the following major educational areas as a basis for curricula: Human ecology and health Human growth and development Family life, including sexual abstinence until marriage (opt out allowed) Prevention and control of disease, including instruction in grades 6 through 12 on the prevention, transmission and spread of AIDS (opt out allowed) Age-appropriate sexual abuse and assault awareness prevention education in grades PreK through 12 Public and environmental health Consumer health Safety education and disaster survival Mental health and illness Personal health habits Alcohol, drug use, and abuse including the medical and legal ramifications of alcohol, drug, and tobacco use, abuse during pregnancy; curricula for alcohol and drug use and abuse shall include classroom instruction in grades 5 through 12 Evidence-based and medically accurate information regarding sexual abstinence	K-6 - all grade levels MS/JH and HS - not specified	The Health Education Program created under the Act must include certain required major educational areas as enumerated in the Act and shall be offered in all elementary schools and secondary schools in Illinois. 105 ILCS 110/3. Each school system shall provide a program in compliance with the Critical Health Problems and Comprehensive Health Education Act [105 ILCS 110]. 1. No specific time requirement for grades K-6; however, health education must be part of the formal regular instructional program at each grade level. 2. The minimal time allocation must be not less than one semester or equivalent during the middle or junior high experience. 3. The minimal time allocation must be not less than one semester or equivalent during the secondary school experience. 4. If health education is offered with another course on a "block of time" basis in a middle, junior high, or high school, instruction may be offered in any combination of the grade levels in the school, provided that the total time devoted to health education is the equivalent of one full semester's work. 23 Ill. Admin. Code 1.420(n). Each student shall be required to take one semester or the equivalent, i.e., at least 18 weeks, of health education during secondary school. 23 Ill. Admin Code 1.440(b)(1).	

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 Nutrition 		Important cross-sections of School Code:	
Dental Health		·	
		1. <u>105 ILCS 5/10-23.13</u> (Erin's Law) – Requires all school boards to	
Course material and instruction to advise		adopt and implement a policy addressing sexual abuse of	
pupils of the Abandoned Newborn Infant		children that may include age-appropriate curriculum for	
Protection Act		students in pre-K through fifth grade.	
Health Education (cont'd)		2. <u>105 ILCS 5/27-9.1</u> (Sex Education) – Outlines requirements for	
 Information about cancer 		sex education classes; opt out allowed. Note that sex	
 Training on how to properly administer 		education is not a mandated unit of study.	
cardiopulmonary resuscitation and how to		3. <u>105 ILCS 5/27-9.2</u> (Family Life) – Outlines requirements for	
use an automated external defibrillator		courses of instruction on family life in districts that choose to	
shall be included as a basis for curricula in		offer it; opt out allowed.	
all secondary schools in this State (opt out		4. <u>105 ILCS 5/27-11</u> (Instruction on Diseases) – Parents or	
allowed)		guardians must have the option to opt their child out of taking	
(105 ILCS 110/3)		instruction on diseases without penalty.	
(23 III. Admin. Code 1.420(n))		5. 105 ILCS 5/27-23.1 (Parenting Education) – Defines parenting	
(23 III. Admin. Code 1.430(a)(7))		education and the instruction it may include for districts that	
(23 III. Admin. Code 1.440(a)(9))		choose to offer it.	
(23 III. Admin. Code 1.440(b)(1))			
Physical Education	All grades subject to	A school board may determine the schedule or frequency of physical	
(<u>105 ILCS 5/27-5</u> , <u>27-6</u> , and <u>27-7</u>)	applicable exemptions	education courses, provided that all pupils – except for those subject to	
(23 III. Admin. Code 1.420(p))	applicable exemptions	applicable exemptions – engage in a course of physical education for a	
(23 III. Admin. Code 1.420(p))		minimum of 3 days per 5-day week. 105 ILCS 5/27-6.	
(23 III. Admin. Code 1.440(a)(10))		Tillillilli of 3 days per 3-day week. 103 fees 3/27-0.	
(23 III. Admin. Code 1.446(a)(10))		A physical education course of study must be part of the regular school	
(23 III. Admini. Code 1.423)		curriculum and not extra-curricular in nature or organization. 105 ILCS	
		5/27-7.	
		Appropriate activity related to physical education shall be required as	
		provided for by	
		Section 27-6 of the School Code. The time schedule shall compare	
		favorably with other courses in the curriculum. Safety education, as it	
		relates to the physical education program, should be incorporated. 23 III.	
		Admin. Code 1.420(p).	
Safety Education	Grades 1-8 (required)	A district must provide a coordinated and supervised course of study in	
(105 ILCS 5/27-17)	<i>May</i> be provided for in	Safety Education in its elementary schools. 23 Ill. Admin. Code	
(105 ILCS 5/27-24.2)	all other grades	1.430(a)(10).	
(23 III. Admin. Code 1.430(a)(10))		Instruction shall be given in safety education in each of grades 4.0	
		Instruction shall be given in safety education in each of grades 1-8,	
		equivalent to one class period each week. 105 ILCS 5/27-24.2.	
		School boards of public schools and all boards in charge of educational	
		institutions supported wholly or partially by the State may provide	
		instruction in safety education in all grades and include such instruction	
		in the courses of study regularly taught therein. Such boards may	
		provide for instruction in safety education for not less than 16 hours	
		during each school year. 105 ILCS 5/27-17.	
		daring cacit school year. 105 (105 5/27 17.	

Driver Education Course (105 ILCS 5/27-24.2)	9-12 th grades	Any school district which maintains grades 9 through 12 shall offer a driver education course in any such school which it operates.	
(23 III. Admin. Code 1.440(a)(13)) See also the Part 252 rules		A driver education course shall consist of a minimum of 30 clock hours of classroom instruction and a minimum of 6 clock hours of individual behind-the-wheel instruction in a dual control car on public roadways taught by a driver education instructor endorsed by the State Board of Education. 105 ILCS 5/27-24.2.	
Abduction Education (105 ILCS 5/27-13.2)	Not specified	All public schools must provide some instruction, study and discussion on this topic. The required instruction can be included in the courses of study regularly taught; provided, however, that such instruction must be given every year to all pupils in grades kindergarten through 8	
Anabolic Steroid Abuse Prevention (105 ILCS 5/27-23.3)	7 th -12 th grades and interscholastic athletes	School districts must provide instruction on this topic in grades 7 through 12 and also to interscholastic athletes. Such instruction shall be included in science, health, drug abuse, physical education, or other appropriate courses of study.	
Drug & Substance Abuse Education (105 ILCS 5/27-13.2) (23 III. Admin. Code 1.430(a)(12))	K-8 th grades (each grade level)	All public schools maintaining any of the grades kindergarten through 8 must provide instruction, study and discussion on this topic. The required instruction can be included in the courses of study regularly taught; provided, however, that such instruction must be given every year to all pupils in grades kindergarten through 8. 105 ILCS 5/27-13.2. A district must provide a coordinated and supervised course of study in effective methods for the prevention and avoidance of drug and substance abuse. The time allotment is the option of the local board of education. 23 Ill. Admin. Code 1.430(a)(12).	
Teen Dating Violence (105 ILCS 110/3.10)	Grades 7-12	The school board of each public school district in this State shall adopt a policy on teen dating violence that, among other things, incorporates age-appropriate education about teen dating violence into new or existing training programs for students in grades 7 through 12 and school employees. 105 ILCS 110/3.10(b)(2).	
Violence Prevention & Conflict Resolution (105 ILCS 5/27-23.4)	Each grade level K-12	School districts shall provide instruction in violence prevention and conflict resolution education for grades kindergarten through 12 and may include such instruction in the courses of study regularly taught therein. 105 ILCS 5/27-23.4.	
Internet Safety Education (105 ILCS 5/27-13.3)	Grades 3-12 (required) May be provided for in grades K-2	A school district must incorporate into the school curriculum a component on Internet safety to be taught at least once each school year to students in grades 3 through 12. The age-appropriate curriculum may begin with students in Kindergarten. The school board shall determine the scope and duration of this unit of instruction. The age-appropriate unit of instruction may be incorporated into the current courses of study regularly taught in the district's schools, as determined by the school board.	

Traffic Injury Prevention (105 ILCS 5/27-23.11)	Grades K-8	The school board of a district that maintains any of the grades K through 8 must adopt a policy on traffic injury prevention education, and such education must be made available to students in grades K-8.	
Social Science and History			
Social Studies (including U.S. History) (23 III. Admin. Code 1.430(a)(4)) (23 III. Admin. Code 1.440(a)(4)) (105 ILCS 5/27-22(e)(5))	Not specified for elementary schools HS graduation requirement	A district must provide a coordinated and supervised course of study in Social Studies in its elementary schools. The time allotment is the option of the local board of education. 23 Ill. Admin. Code 1.430(a)(4). Each district must provide a comprehensive curriculum that includes U.S. History in its high school course offerings. The time allotment is the option of the local board of education. 23 Ill. Admin. Code 1.440(a)(4). As a prerequisite to receiving a high school diploma, each pupil entering the 9 th grade must, in addition to other course requirements, successfully complete two (2) years of social studies, of which at least one year must be history of the United States or a combination of history	
		of the United States and American government and, beginning with pupils entering the 9th grade in the 2016-2017 school year and each school year thereafter, at least one semester must be civics. 105 ILCS 5/22-22(e)(5).	
 U.S. History, which must include the following components: The study of the role and contributions of ethnic groups and the labor unions in the history of this country and this State. The study of events related to the forceful removal and illegal deportation of Mexican- 	Not specified for elementary schools HS graduation requirement	History of the United States shall be taught in all public schools and in all other educational institutions in the State supported or maintained, in whole or in part, by public funds. The teaching of U.S. History must include study of all of the topics outlined in Section 27-21 of the School Code. 105 ILCS 5/27-21. The requirement for U.S. history shall be provided through history and social sciences courses. 23 Ill. Admin. Code 1.420(r).	
American U.S. citizens during the Great Depression. The study of the role and contributions of lesbian, gay, bisexual, and transgender people in the history of this country and this State. Instruction in the history of Illinois. (105 ILCS 5/27-21) (105 ILCS 5/27-22(e)(5)) (23 Ill. Admin. Code 1.420(r))		No student may graduate from the eighth grade unless he or she has received such instruction in the history of the United States as outlined in Section 27-21 of the School Code and gives evidence of having a comprehensive knowledge thereof, which may be administered remotely. 105 ILCS 5/27-21.	
		One year of the minimum two years of Social Studies required for graduation must be history of the United States or a combination of history of the United States and American government. 105 ILCS 5/27-22(e)(5).	
		Important cross-section of School Code: 105 ILCS 5/27-3.5 All students in grade 7 and all high school students enrolled in a course concerning U.S. history or a combination of U.S. history and American government must view a Congressional Medal of Honor film made by the Congressional Medal of Honor Foundation.	

Amer. Patriotism and Government (105 ILCS 5/27-3, 27-4, 27-21) (23 III. Admin. Code 1.420(r)(1)) (23 III. Admin. Code 1.430(b)) (23 III. Admin. Code 1.440(b)(4))	Not specified 8 th grade and HS graduation requirement	Each school system shall provide history and social sciences courses that include the study of principles of representative government, the Constitutions of both the United States and the State of Illinois, the proper use of the flag, and how these concepts have related and currently do relate in actual practice in the world. 23 Ill. Admin. Code 1.420(r)(1).	
		Must be taught in all public schools. 105 ILCS 5/27-3. In grades 7 and 8 or their equivalent, not less than one hour of each school week must be devoted to the study of these subjects. In all high school grades, not less than one hour of each school week must be devoted to the advanced study of these subjects. 105 ILCS 5/27-4.	
		No student may graduate from the eighth grade unless he or she has received instruction in the history of the United States that includes the content outlined in 105 ILCS 5/27-21 of the School Code and gives evidence of having a comprehensive knowledge thereof, which may be administered remotely.	
		No student may receive a "certificate of graduation" without passing a satisfactory exam of the subjects outlined in 105 ILCS 5/27-3, which may be administered remotely.	
Civics Education (105 ILCS 5/27-3.10) (105 ILCS 5/27-22(e)(5))	6 th ,7 th <u>or</u> 8 th grade HS graduation requirement	Every public elementary school must provide in its 6 th , 7 th , or 8 th grade curriculum at least one semester of civics education. This course of study must be provided in addition to the instruction required to be provided under Section 27-3 of the School Code. 105 ILCS 5/27-3.10.	
		As a prerequisite to receiving a high school diploma, at least one semester of the minimum two years of Social Studies must be civics. 105 ILCS 5/27-22(e)(5).	
Women in History (105 ILCS 5/27-20.5) (23 III. Admin. Code 1.420(r)(6))	Not specified	Every public elementary and high school must provide a unit of instruction studying the events of the history of women in America. 105 ILCS 5/27-20.5.	
		Each school system shall provide history and social sciences courses that include the study of the events of women's history in America. 23 III. Admin. Code 1.420(r)(6).	
Black History (105 ILCS 5/27-20.4)	Not specified	Every public elementary and high school must provide a unit of instruction studying the events of Black History. 105 ILCS 5/27-20.4.	
(23 III. Admin. Code 1.420(r)(5))		Each school system shall provide history and social sciences courses that include the study of the events of Black history. 23 III. Admin. Code 1.420(r)(5).	
Holocaust/Genocide Ed (105 ILCS 5/27-20.3) (23 III. Admin. Code 1.420(r)(4))	Not specified	Every public elementary and high school must provide a unit of instruction studying the events of the Nazi atrocities of 1933-1945, a period in world history known as the Holocaust. To reinforce that lesson, such curriculum shall include an additional unit of instruction studying other acts of genocide across the globe. This unit shall include, but not	

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		be limited to, the Armenian Genocide, the Famine-Genocide in Ukraine, and more recent atrocities in Cambodia, Bosnia, Rwanda, and Sudan. 105 ILCS 5/27-20.3.	
		Each school system shall provide history and social sciences courses that include the study of that period in world history known as the Holocaust. 23 Ill. Admin. Code 1.420(r)(4).	
History of disabilities, people with disabilities, and disabilities rights movement (105 ILCS 5/27-23.8)	Not specified	A school district must provide instruction on disability history, people with disabilities, and the disability rights movement. Instruction may be included in those courses that the school district chooses, and the school board shall determine the minimum amount of instructional time required under this Section. 105 ILCS 5/27-23.8(a), (c).	
Other Core Content Areas			
Language Arts, Reading, and Other Communications Skills (23 III. Admin. Code 1.430(a)(1)) (23 III. Admin. Code 1.440(a)(1))	Not specified for elementary schools HS graduation requirement	A district must provide a coordinated and supervised course of study in Language Arts, Reading, and other Communication Skills in its elementary schools. The time allotment is the option of the local board of education. 23 III. Admin. Code 1.430(a)(1).	
(105 ILCS 5/10-20.53) (105 ILCS 5/27-22(e)(1))		Each district must provide a comprehensive curriculum that includes Language Arts in its high school course offerings. The time allotment is the option of the local board of education. 23 III. Admin. Code 1.440(a)(1).	
		Each school board shall promote 60 minutes of minimum reading opportunities daily for students in kindergarten through 3 rd grade whose reading level is one grade level or lower than their current grade level according to current learning standards and the school district. 105 ILCS 5/10-20.53.	
		As a prerequisite to receiving a high school diploma, each pupil entering the 9th grade must, in addition to other course requirements, successfully complete four years of language arts. 105 ILCS 5/27-22(e)(1).	
Writing Intensive Courses 105 ILCS 5/27-22(e)(2) (23 III. Admin. Code 1.440(d)(1))	HS graduation requirement	As a prerequisite to receiving a high school diploma, each pupil entering the 9th grade must, in addition to other course requirements, successfully complete two (2) years of writing intensive courses, one of which must be English and the other of which may be English or any other subject. When applicable, writing-intensive courses may be counted towards the fulfillment of other graduation requirements. 105 ILCS 5/27-22(e)(2).	
Cursive writing (105 ILCS 5/27-20.7)	Elementary schools; must be completed by grade 5	Elementary schools must offer at least one unit of instruction in cursive writing. School districts shall, by policy, determine at what grade level or levels students are to be offered cursive writing, provided that such instruction must be offered before students complete grade 5.	
Science (23 III. Admin. Code 1.430(a)(2)) (23 III. Admin. Code 1.440(a)(2))	Not specified for elementary schools	A district must provide a coordinated and supervised course of study in Science in its elementary schools. The time allotment is the option of the local board of education. 23 Ill. Admin. Code 1.430(a)(2).	

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(105 ILCS 5/27-22(e)(4))	HS graduation	Each district must provide a comprehensive curriculum that includes	
(103 ILC3 3/27-22(e)(4))	requirement	Science in its high school course offerings. The time allotment is the	
	requirement	option of the local board of education. 23 Ill. Admin. Code 1.440(a)(2).	
		As a prerequisite to receiving a high school diploma, each pupil entering	
		the 9th grade must, in addition to other course requirements,	
		successfully complete two (2) years of science. 105 ILCS 5/27-22(e)(4).	
Conservation of Natural Resources ⁱⁱ	Not specified	All public schools must provide some instruction, study and discussion on	
(105 ILCS 5/27-13.1)		this topic. 105 ILCS 5/27-13.1.	
(23 III. Admin. Code 1.420(I))		A district must provide a coordinated and supervised course of study in	
(23 III. Admin. Code 1.430(a)(11))		Conservation of Natural Resources in its elementary schools. The time	
(23 III. Admin. Code 1.440(a)(12))		allotment is the option of the local board of education. 23 III. Admin.	
		Code 1.430(a)(11).	
		Code 1.450(a)(11).	
		Each district must provide a comprehensive curriculum that includes	
		Conservation of Natural Resources in its high school course offerings. The	
		time allotment is the option of the local board of education. 23 Ill. Admin.	
		Code 1.440(a)(12).	
Mathematics	Not specified for	A district must provide a coordinated and supervised course of study in	
(23 Ill. Admin. Code 1.430(a)(3))	elementary schools	Mathematics in its elementary schools. The time allotment is the option	
(23 III. Admin. Code 1.440(a)(3))	HS graduation	of the local board of education. 23 Ill. Admin. Code 1.430(a)(3).	
(105 ILCS 5/27-22(e)(3))	requirement	of the local board of education, 23 III. Admin. code 1.430(a)(3).	
(103 IECS 3/27-22(E)(S))	requirement	Each district must provide a comprehensive curriculum that includes	
		Math its high school course offerings. The time allotment is the option of	
		the local board of education. 23 Ill. Admin. Code 1.440(a)(3).	
		As a prerequisite to receiving a high school diploma, each pupil entering	
		the 9 th grade must, in addition to other course requirements, successfully	
		complete three (3) years of math, one of which must be Algebra 1, one of	
		which must include geometry content, and one which may be an	
		Advanced Placement computer science course. 105 ILCS 5/27-22(e)(3).	
		Advanced Flacement compater science course. 103 fles 3/27 22(c)(3).	
Library, Fine Arts, Language, Career, Character,			
Library Media Programs	Not specified	Each school district shall provide a program of library media services for	
(23 III. Admin. Code 1.420(o))		the students in each of its schools that meets the requirements outlined	
		in 23 III. Admin. Code 1.420(o).	
Music	Not specified for	A district must provide a coordinated and supervised course of study in	
(23 III. Admin. Code 1.430(a)(5))	elementary schools	Music in its elementary schools. The time allotment is the option of the	
(23 III. Admin. Code 1.440(a)(6))	Option for 1-year credit	local board of education. 23 III. Admin. Code 1.430(a)(5).	
(105 ILCS 5/27-22(e)(6))	requirement in high	Each district must provide a comprehensive curriculum that includes	
	school	Music in its high school course offerings. The time allotment is the option	
Music (cont'd)		of the local board of education. 23 III. Admin. Code 1.440(a)(6).	
		Each pupil entering the 9 th grade must, in addition to other course	
		requirements, successfully complete one year chosen from (A) music, (B)	

Art (23 III. Admin. Code 1.430(a)(6)) (23 III. Admin. Code 1.440(a)(7)) (105 ILCS 5/27-22(e)(6))	Not specified for elementary schools Option for 1-year credit requirement in high school	art, (C) foreign language, which shall be deemed to include American Sign Language, or (D) vocational education. 105 ILCS 5/27-22(e)(6). A district must provide a coordinated and supervised course of study in Art in its elementary schools. The time allotment is the option of the local board of education. 23 III. Admin. Code 1.430(a)(6). Each district must provide a comprehensive curriculum that includes Art in its high school course offerings. The time allotment is the option of the local board of education. 23 III. Admin. Code 1.440(a)(7). As a prerequisite to receiving a high school diploma, each pupil entering the 9 th grade must, in addition to other course requirements, successfully complete one year chosen from (A) music, (B) art, (C) foreign language, which shall be deemed to include American Sign Language, or (D) vocational education. 105 ILCS 5/27-22(e)(6).	
Foreign Language (23 III. Admin. Code 1.440(a)(5)) (23 III. Admin. Code 1.440(d)(2)) (105 ILCS 5/27-22(e)(6))	Option for 1-year credit requirement in high school	Each district must provide a comprehensive curriculum that includes Foreign Language in its high school course offerings. The time allotment is the option of the local board of education. 23 III. Admin. Code 1.440(a)(5).	
		As a prerequisite to receiving a high school diploma, each pupil entering the 9 th grade must, in addition to other course requirements, successfully complete one year chosen from (A) music, (B) art, (C) foreign language, which shall be deemed to include American Sign Language, or (D) vocational education. 105 ILCS 5/27-22(e)(6).	
Career Education (105 ILCS 5/27-22.2) (23 III Admin. Code 1.420(i)) (23 III. Admin. Code 1.430(a)(9)) (23 III. Admin Code 1.440(a)(8))	Not specified Optional HS elective for secondary students	A district must provide a coordinated and supervised course of study in Career Education – Awareness & Exploration in its elementary schools. The time allotment is the option of the local board of education. 23 III. Admin. Code 1.430(a)(9).	
125 m. Admin Code 1.440(d)(8))		Each district must provide a comprehensive curriculum that includes Career & Technical Education – Orientation and Preparation in its high school course offerings. The time allotment is the option of the local board of education. 23 III. Admin. Code 1.440(a)(8).	
		If the school board of a school district that maintains grades 9-12 establishes a list of courses from which high school students must elect at least one course, to be completed along with other high school graduation requirements, at least one course in vocational education must be included on such list. 105 ILCS 5/27-22.2.	
Character Education (105 ILCS 5/27-12)	Not specified	Every public school teacher shall teach character education.	
Consumer Education (105 ILCS 5/27-12.1) (23 III. Admin. Code 1.420(k)) (23 III. Admin. Code 1.440(a)(11)) Consumer Education (cont'd)	9 th – 12 th grades	Pupils in the public schools in grades 9-12 shall be taught and shall be required to study courses that include instruction in the area of consumer education. 105 ILCS 5/27-12.1.	

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(23 III. Admin. Code 1.440(b)(3))	The superintendent of each unit or high school district shall maintain evidence showing that each student has received adequate instruction in consumer education prior to the completion of grade 12. Consumer education may be included in course content of other courses, or it may be taught as a separate required course. 23 Ill. Admin. Code 1.420(k)(2).	
	Each district must provide a comprehensive curriculum that includes Consumer Education in its high school course offerings. 23 Ill. Admin. Code 1.440(a)(11). Each high school student shall be required to take consumer education for 50 minutes per day for a period of nine weeks in any of the grades 9-12. Id. at 1.420(k)(3); 1.440(b)(3).	

ⁱ Not intended to be an exhaustive listing of requirements. Statutory references should be consulted in all cases.

ⁱⁱ Conservation of Natural Resources will generally be included as part of a science course, which is why this curriculum area is listed in "Other Core Content Areas."