

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
AGRICULTURAL EDUCATION				
01005	Exploring Agriculture	7-8	Exploring Agriculture covers a wide range of agricultural topics, including plant and animal science, production, and processing; agricultural mechanics, including tool and machine operation and repair; construction and repair of farm structures; business operations and management; and the careers available in the agricultural industry. Courses may also include topics such as chemical and soil science, ecology, agricultural marketing, and veterinary science.	License Code: 01005-Agriculture Education ◆ 5-12 or 9-12
01006	Natural/Environmental Resources	7-8	Natural/Environmental Resources covers a wide range of topics concerning agriculture and natural resources, including plant and animal science, production, and processing; environmental science and conservation; ecology; agricultural mechanics; agricultural construction; business operations and management; and the careers available in the agricultural/natural resources industry. Courses may also include topics such as chemical and soil science, forestry, agricultural marketing, and veterinary science.	
CAREER EDUCATION				
20005	Exploring Career Decisions	7-8	Career Exploration helps students identify and evaluate personal goals, priorities, aptitudes, and interests, with the goal of helping them make informed decisions about their careers. This course exposes students to various sources of information on career and training options and may also assist them in developing job search and employability skills.	License Code: Any Teaching License OR 47000-Career Advisor
CAREER AND TECHNICAL SUPPLEMENTARY SERVICES				
26009	CTE Resource Education	7-8	Career and technical students at risk or CTE students with disabilities who cannot succeed in the general or career and technical education programs without assistance or modifications are eligible for career and technical special needs programming. Persons eligible for career and technical education must be identified by personnel qualified to complete the required assessment. Services in career and technical education include: a) career counseling; b) consultation with career and technical education teachers in making necessary adaptations in content, methods, and equipment; and c) student support in the learning process.	License Code: 28000-CTE Resource Educator ◆ 5-12

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Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
CAREER AND TECHNICAL SUPPLEMENTARY SERVICES				
28009	CTE Basic Skills Education	7-8	<p>Career and technical students at risk or CTE students with disabilities who cannot succeed in the general or career and technical education programs without assistance or modifications are eligible for career and technical special needs programming.</p> <p>Persons eligible for career and technical education must be identified by personnel qualified to complete the required assessment.</p> <p>Services in career and technical education include: a) career counseling; b) consultation with career and technical education teachers in making necessary adaptations in content, methods, and equipment; and c) student support in the learning process.</p>	<p>License Code: 28000-CTE Basic Skills Educator ♦ 5-12</p>
29009	CTE Mentorship Education	7-8	<p>Career and technical students at risk or CTE students with disabilities who cannot succeed in the general or career and technical education programs without assistance are eligible to receive services to help them succeed.</p> <p>Services in career and technical education include student support in the learning process.</p>	<p>License Code: 29000-CTE Teacher/Student Mentor ♦ 5-12</p>
DRIVER AND TRAFFIC SAFETY EDUCATION				
21012	Driver Education Classroom Only	8 (see note)	<p>The classroom program of driver's education includes at least 30 hours of classroom instruction. <u>This course</u> provides students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs).</p> <p>Note: This course code should only be used for MIS03 reporting purposes when a grade 8 student is receiving high school credit. Max credit = 1/2</p>	<p>License Code: 21005-Driver Education ♦ 5-12 or 9-12</p>
ENGLISH AS A SECOND LANGUAGE				
24005	English as a Second Language	7-8	<p>English as a Second Language (ESL) courses are designed for English language acquisition, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide a foundation of the basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles, to succeed in content classrooms, and to move into "regular" English courses. ESL courses may also include an orientation to the customs and culture of the diverse population in the United States.</p>	<p>License Code: 24000- ELL ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR Teaching License and ELL Endorsement</p>

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ENGLISH/LANGUAGE ARTS				
05005	Language Arts 7	7	Language Arts (<u>grade 7 only</u>) builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Beyond emphasizing different uses for language, these courses may also include using language (particularly written text) to construct meaning and connections. Specific content depends upon state standards for grade 7.	License Code: 50015–Elementary Educ. ◆ K-8 or 1-8 OR 05020-English ◆ 5-12
05006	Language Arts 8	8	Language Arts (<u>grade 8 only</u>) builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses use various genres of literature to improve reading skills, and they link writing exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8.	OR 50117-Middle School English Major Equivalency ◆ 5-8 or 7-8 OR 50017-Middle School ◆ 5-8 or 7-8
05007	Reading 7	7	Reading (<u>grade 7 only</u>) builds upon students' prior knowledge and skill in reading and may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 7.	License Code: 50015–Elementary Educ. ◆ K-8 or 1-8
05009	Reading 8	8	Reading (<u>grade 8 only</u>) builds upon students' prior knowledge and skill in reading. Typically, this course uses various genres of literature to improve reading skills, and link exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8.	OR 05020-English ◆ 5-12 OR 50117-Middle School English Major Equivalency ◆ 5-8 or 7-8 OR 05007-Reading ◆ K-8, 1-8, 5-12, 1-12, or K-12 OR 50017-Middle School ◆ 5-8 or 7-8
05008	Remedial Reading 7-8	7-8	A supplemental course for students experiencing difficulty in regular classroom instruction in English/Language Arts. Remedial Reading offers students the opportunity to focus on their reading skills. Assistance is targeted to students' particular weaknesses and is designed to bring students' reading comprehension up to the desired level or to develop strategies to read more efficiently.	License Code: 50015–Elementary Educ. ◆ K-8 or 1-8 OR 50017-Middle School ◆ 5-8 OR 05020-English ◆ 5-12

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
FAMILY AND CONSUMER SCIENCES				
09006	Family & Consumer Sciences	7-8	The study of introductory concepts in family and consumer science and orientation related careers.	License Code: 09025-Home Economics ◆ 5-12 or 9-12 OR 09035-Family & Consumer Sciences ◆ 5-12 or 9-12 OR 09040-Family & Consumer Science ◆ 5-12 or 9-12 OR 50090-Middle School Family & Consumer Science Endorsement ◆ 5-8
FINE AND PERFORMING ARTS				
02005	Art 7-8	7-8	Art 7-8 (<u>grades 7 and 8 taught in the same class</u>) provides the knowledge and opportunity to explore an art form and to create individual works of art. This course may also provide a discussion and exploration of career opportunities in the art world. This course may cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction becomes more refined, and students are encouraged to develop their own artistic styles. Although this course focuses on creation, it may also include the study of major artists, art movements, and styles.	License Code: 02005-Art ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 50015-Elementary Educ. ◆ K-8 or 1-8

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
FINE AND PERFORMING ARTS - continued				
12005	General Classroom Music 7-8	7-8	Music (<u>grades 7 and 8 taught in the same class</u>) enables students to create and perform music, listen and respond to musical compositions, and incorporate their musical experiences with other activities and subjects. Course content usually involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique	License Code: 12005-Instrumental Music ◆ K-12, 1-12, 5-12, 9-12 K-8, 1-8, or 5-8 OR 12010-Music ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 12015-Vocal Music ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8 OR 50015-Elementary Educ. ◆ K-8 or 1-8 OR 50017-Middle School ◆ 5-8
12006	Instrumental Music 7-8	7-8	The study of music to develop the skills and knowledge necessary for performing with a musical instrument in a group and/or individual setting.	License Code: 12005-Instrumental Music ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 12010-Music ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8
12007	Vocal Music 7-8	7-8	Vocal Music provides the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.	License Code: 12010-Music ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 12015-Vocal Music ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8
12008	Supervised Instrumental Lessons 7-8	7-8	Supervised Instrumental Lessons, often conducted with instructors, professional musicians, or voice coaches as mentors, enable students to explore music-related topics. This course may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.	License Code: 12005-Instrumental Music ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 12010-Music ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8

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Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
FINE AND PERFORMING ARTS - continued				
05309	Drama 7-8	7-8	Drama (grades 7 and 8 taught in the same class) enables students to express themselves through dramatic play and storytelling. Course content typically includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. As appropriate, students may focus on acting techniques and traditions, other aspects of drama (staging, lighting, costuming), or both.	License Code: 05015-Drama ◆ 5-12 or 9-12
FOREIGN LANGUAGES				
06102	Sign Language	7-8	American Sign Language for Young Learners (prior-to-secondary) courses provide instruction at multiple grade levels in American Sign Language and may apply to a range of consecutive grades. These courses prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. These courses introduce the relationship among the practices, perspectives, and cultures of deaf people and communities.	License Code: 06040-American Sign Language ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8
06108	Chinese	7-8	Chinese introduces and then extends students' skills in speaking, reading, writing, and comprehending the Chinese language and students' knowledge of Chinese-speaking cultures. Initial courses emphasize grammar and syntax, vocabulary, and vocal tones so that students have an understanding of the language and its rules. Later courses advance students' knowledge and ability to express themselves beyond basic communication (and to understand others, either in a written or verbal format), seeking to enable students to express more complex concepts, in different tenses, and to do so more easily. Students usually explore the customs, history, and art forms of Chinese-speaking people to deepen their understanding of the culture(s).	License Code: 06260-Chinese ◆ K-12
06261	Chinese I	8 (see note)	Designed to introduce students to Chinese language and culture, Chinese I emphasizes basic syntax, simple vocabulary, written characters, and spoken tones so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Chinese culture is introduced through the art, literature, customs, and history of Chinese-speaking people. Note: This course code <u>should only be used</u> for MIS03 reporting purposes when a grade 8 student <u>is receiving high school credit</u>. Max credit = 1	
06003	French	7-8	French introduces and then extend students' skills in speaking, reading, writing, and comprehending the French language and students' knowledge of French-speaking cultures. Initial courses emphasize grammar and syntax, vocabulary, and the spoken accent so that students have an understanding of the language and its rules. Later courses advance students' knowledge and ability to express themselves beyond basic communication (and understand others, either in a written or verbal format), seeking to enable students to express more complex concepts, in different tenses, and to do so more easily. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).	License Code: 06010-French ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
FOREIGN LANGUAGES - continued				
06281	French I	8 (see note)	<p>Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.</p> <p>Note: This course code <u>should only be used</u> for MIS03 reporting purposes when a grade 8 student is receiving high school credit. Max credit = 1</p>	<p>License Code: 06010-French ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8</p>
06004	German	7-8	<p>German introduces and then extends students' skills in speaking, reading, writing, and comprehending the German language and students' knowledge of German-speaking cultures. Initial courses emphasize grammar and syntax, vocabulary, and the spoken accent so that students have an understanding of the language and its rules. Later courses advance students' knowledge and ability to express themselves beyond basic communication (and to understand others, either in a written or verbal format), seeking to enable students to express more complex concepts, in different tenses, and to do so more easily. Students usually explore the customs, history, and art forms of German-speaking people to deepen their understanding of the culture(s).</p>	<p>License Code: 06015-German ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8</p>
06291	German I	8 (see note)	<p>Designed to introduce students to German language and culture, German I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of the German-speaking people.</p> <p>Note: This course code <u>should only be used</u> for MIS03 reporting purposes when a grade 8 student is receiving high school credit. Max credit = 1</p>	<p>License Code: 06015-German ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8</p>
06109	Greek	7-8	<p>Greek introduces and then extends students' skills in speaking, reading, writing, and comprehending the Greek language and students' knowledge of Greek-speaking cultures. Initial courses emphasize grammar and syntax, vocabulary, and vocal tones so that students have an understanding of the language and its rules. Later courses advance students' knowledge and ability to express themselves beyond basic communication (and to understand others, either in a written or verbal format), seeking to enable students to express more complex concepts, in different tenses, and to do so more easily. Students usually explore the customs, history, and art forms of Greek-speaking people to deepen their understanding of the culture(s).</p>	<p>License Code: 06020-Greek ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8</p>

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
FOREIGN LANGUAGES - continued				
06221	Greek I	8 (see note)	<p>Designed to introduce students to Greek language and culture, Greek I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Greek culture is introduced through the art, literature, customs, and history of the Greek-speaking people.</p> <p>Note: This course code <u>should only be used</u> for MIS03 reporting purposes when a grade 8 student <u>is receiving high school credit</u>. Max credit = 1</p>	License Code: 06020-Greek <ul style="list-style-type: none"> • K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8
06006	Latin	7-8	<p>Latin introduces and then extends students' skills in reading and writing Latin language and students' knowledge of Roman life and culture. Initial courses emphasize structures, forms, grammar and syntax, and vocabulary, so that students have an understanding of the language and its rules. Later courses advance students' knowledge and ability to express themselves beyond basic communication (and to understand original Latin texts), seeking to enable students to express more complex concepts, in different tenses, and to do so more easily. Students usually explore the customs, history, and art forms of Rome to deepen their understanding of the culture(s).</p>	License Code: 06025-Latin <ul style="list-style-type: none"> ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8
06151	Latin I	8 (see note)	<p>Latin I exposes students to the Latin language and culture, emphasizing basic grammar and syntax, simple vocabulary, and the influence of Latin on current English words. Students will be able to read and write in Latin on a basic level.</p> <p>Note: This course code <u>should only be used</u> for MIS03 reporting purposes when a grade 8 student <u>is receiving high school credit</u>. Max credit = 1</p>	
06005	Native Language	7-8	<p>Languages for Native Speakers support, reinforce, and expand students' knowledge of their own tongue. The culture, literature, and history of the people may be incorporated.</p>	License Code: 15046-Native American Studies <ul style="list-style-type: none"> ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8
06007	Spanish	7-8	<p>Spanish introduces and then extends students' skills in speaking, reading, writing, and comprehending the Spanish language and students' knowledge of Spanish-speaking cultures. Initial courses emphasize grammar and syntax, vocabulary, and the spoken accent so that students have an understanding of the language and its rules. Later courses advance students' knowledge and ability to express themselves beyond basic communication (and understand others, either in a written or verbal format), seeking to enable students to express more complex concepts, in different tenses, and to do so more easily. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).</p>	License Code: 06035-Spanish <ul style="list-style-type: none"> ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
FOREIGN LANGUAGES - continued				
06211	Spanish I	8 (see note)	<p>Designed to introduce students to Spanish language and culture, Spanish I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.</p> <p><i>Note: This course code <u>should only be used</u> for MIS03 reporting purposes when a grade 8 student is receiving high school credit. Max credit = 1</i></p>	License Code: 06035-Spanish ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8
GENERAL EDUCATION				
00069	Homeroom/Study Hall	7-8	This is non-credit course.	License Code: Any Teaching License
00501	Alternative Education	7-8	This is an alternative education program for students enrolled in grades six through eight for at least an average of fifteen hours per week.	
20006	Successful School and Life Skills 7-8	7-8	This course is designed to address the challenges that students experience in a middle level/junior high school so they can succeed in the classroom as well as obtain skills needed to be successful in high school. Course topics may include communication skills; personal assessment and awareness activities; test-taking/study skills; time management; choices and consequences; technology, business, and financial literacy. Additional topics can also include exercises designed to generate organized, logical thinking, and writing skills to help with oral and written presentations.	
20008	Exploratory Foreign Language & Cultures	7-8	Provides an introduction to the languages and cultural heritages of one or more cultures, civilizations, or countries. Content may include (but is not limited to) art, music, literature, food, and sport and leisure activities of the cultures, civilizations, or countries being studied. Language and dialect of the cultures, civilizations, and countries being studied may also be covered.	
20069	ND Civics Test	7-8	<p>The ND Civics Test is a condition of ND high school graduation to ensure that ND students are knowledgeable citizens. The ND Civics test means the one hundred questions that, as of January 1, 2015, officers of the United States citizenship and immigration services use as the basis for selecting the questions posed to applicants for naturalization, in order that the applicants can demonstrate a knowledge and understanding of the fundamentals of United States history and the principles and form of United States government as required by 8 U.S.C. 1423. The test(s) may be administered any time after a student is enrolled in grade 7.</p> <p style="background-color: yellow;">For graduates of 2017, 60% of the questions on the Civics test must be passed. After 2017, 70% of the questions on the Civics test must be passed.</p> <p><i>Note: Each students' high school transcript must identify when the student was successful in passing the ND Civics Tests(s).</i></p>	

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HEALTH				
18005	Health	7-8	Topics covered within Health courses may vary widely, but typically include human growth and development and promotion of personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health and advocacy issues. The course may also include brief studies of environmental health, personal development, and/or community resources.	License Code: 08020-Health, Physical Education & Recreation ♦ K-12, 1-12, 5-12, 9-12, K-8, or 1-8 OR 08025-Physical Education ♦ K-12, 1-12, 5-12, 9-12, K-8, or 1-8 OR 08027-Health & Physical Education ♦ K-12, 1-12, 5-12, 9-12, K-8, or 1-8 OR 18015-Health ♦ 5-12 or K-12 OR 13010-Biology ♦ 5-12 OR 50417-Middle School Science Major Equivalency ♦ 5-8 or 7-8 OR 50015-Elementary Educ. ♦ K-8 or 1-8 OR 09025-Home Economics ♦ 5-12 or 9-12 OR 09035-Family & Consumer Sciences ♦ 5-12 or 9-12 OR 09040-Family & Consumer Science ♦ 5-12 or 9-12 CONTINUED ON NEXT PAGE

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Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
HEALTH - continued				
18005 (Cont)	Health (Continued)	7-8	Continued from previous page	OR 50090-Middle School Family & Consumer Science Endorsement ♦ 5-8 OR 50180-Middle School Health Endorsement ♦ 5-8 OR 50017-Middle School ♦ 5-8
MATHEMATICS				
11004	Mathematics 7	7	Mathematics (<u>grade 7 only</u>) emphasizes proficiency in skills involving numbers and operations; measurement; patterns; functions; algebraic formulas; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 7.	License Code: 11010-Mathematics ♦ 5-12
11005	Mathematics 8	8	Mathematics (<u>grade 8 only</u>) emphasizes proficiency in skills involving numbers and operations; measurement; patterns; simple functions; algebra; geometry; statistics, and probability. Specific content depends upon state standards for grade 8.	OR 50015-Elementary Educ. ♦ K-8 or 1-8 OR 50017-Middle School ♦ 5-8
11006	Remedial Math 7-8	7-8	Remedial Mathematics is a supplemental course designed to be taken in addition to or in coordination with other mathematics courses, provide instruction to assist students in acquiring mathematic skills so that students attain necessary grade-level skills or reach a desired competency level.	License Code: 50015-Elementary Educ. ♦ K-8 or 1-8 OR 50017-Middle School ♦ 5-8 OR 11010-Mathematics ♦ 5-12

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
MATHEMATICS - continued				
11007	Mathematics Proficiency Development	7-8	Mathematics Proficiency Development courses are designed to assist students in acquiring the skills necessary to pass proficiency examinations.	License Code: 11010-Mathematics ♦ 5-12 OR 50015-Elementary Educ. ♦ K-8 or 1-8 OR 50017-Middle School ♦ 5-8
11008	Prealgebra	7-8	Prealgebra increases students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations, and inequalities.	
11009	Algebra I 7-8	7-8	Algebra I includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.	
11015	Transition Mathematics 7-8	7-8	Transition Mathematics 7-8 is an alternative to the core math curriculum for students that are two or more years below grade level. This course is designed to meet individual needs and help the student become proficient in mathematical concepts, computation, and problem solving in order to be ready to return to grade level core curriculum.	
11016	STEM Seminar (Math)	7	STEM Seminar provides students with a project based and integrated and holistic experience with Science Technology Engineering and Math. It focuses on engaging students in hands on interdisciplinary application of the Engineering Design Process. Students engage in authentic projects and create products, presentations, and network with local STEM industry experts. In this course, students uncover and acquire a cohesive set of concepts, competencies, and dispositions of science, technology, engineering, and mathematics that they transfer and apply in both academic and real-world contexts in order to be globally competitive in the 21 st Century. This course curriculum infuses academic content from mathematics, science, and language arts. It utilizes state standards, technical skills and develops 21 st Century Skills such as communication, networking, collaboration, decision making, creatively and critical thinking. Note: Use STEM Seminar (Science) under Science.	

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
MATHEMATICS - continued				
11017	STEM Seminar (Math)	8	STEM Seminar provides students with a project based and integrated and holistic experience with Science Technology Engineering and Math. It focuses on engaging students in hands on interdisciplinary application of the Engineering Design Process. Students engage in authentic projects and create products, presentations, and network with local STEM industry experts. In this course, students uncover and acquire a cohesive set of concepts, competencies, and dispositions of science, technology, engineering, and mathematics that they transfer and apply in both academic and real-world contexts in order to be globally competitive in the 21 st Century. This course curriculum infuses academic content from mathematics, science, and language arts. It utilizes state standards, technical skills and develops 21 st Century Skills such as communication, networking, collaboration, decision making, creatively and critical thinking. Note: Use STEM Seminar (Science) under Science.	License Code: 11010-Mathematics ◆ 5-12 OR 50015-Elementary Educ. ◆ K-8 or 1-8 OR 50017-Middle School ◆ 5-8
11031	Algebra I	8 (see note)	Algebra I includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. NOTE: Use this course when credit is awarded for the full school year. This course code should only be used for MIS03 reporting purposes when a grade 8 student is receiving high school credit. Max credit = 1	
11035	Algebra I Semester 1	8 (see note)	The first part in a multi-part sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first degree equations and inequalities. NOTE: This course code should only be used for MIS03 reporting purposes when a grade 8 student is receiving high school credit. Max credit = ½	License Code: 11010-Mathematics ◆ 5-12 or 9-12
11036	Algebra I Semester 2	8 (see note)	The second part in a multi-part sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics. NOTE: This course code should only be used for MIS03 reporting purposes when a grade 8 student is receiving high school credit. Max credit = ½	

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Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
PHYSICAL EDUCATION				
08006	Physical Education	7-8	Physical Education (<u>grades 7 and 8 when taught together</u>) provides students the knowledge, experience, and opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.	License Code: 08020-Health, Physical Education & Recreation ♦ K-12, 1-12, 5-12, 9-12, 10-12, K-8, or 1-8 OR 08025-Physical Education ♦ K-12, 1-12, 5-12, 9-12, 10-12, K-8, or 1-8 OR 08027-Health & Physical Education ♦ K-12, 1-12, 5-12, 9-12, 10-12, K-8, or 1-8 OR 50015-Elementary Educ. ♦ K-8 or 1-8 OR 50017-Middle School ♦ 5-8
08007	Adaptive Physical Education	7-8	This course provides physical education activities (sports, fitness, and conditioning) adapted for students with special needs.	
SCIENCE				
13006	Life Science	7-8	Life Science covers the basic principles of life and life processes. These topics may include cells, species, ecosystems, reproduction, genetics, or other topics consistent with state academic standards for life science.	License Code: 50015-Elementary Educ. ♦ K-8 or 1-8 OR 13010-Biology ♦ 5-12 OR 50417-Middle School Science Major Equivalency ♦ 5-8 or 7-8

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
SCIENCE - continued				
13008	Earth Science	7-8	Earth Science covers basic principles of earth and space science: astronomy, meteorology, ecology, geology and paleontology, and experimental activities.	License Code: 50015–Elementary Educ. ◆ K-8 or 1-8 OR 13035–Earth Science ◆ 5-12 OR 50417–Middle School Science Major Equivalency ◆ 5-8 or 7-8
13005	Science 7	7	Science (grade 7 only) builds on previous years of scientific inquiry and typically includes subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 7.	License Code: 50015–Elementary Educ. ◆ K-8 or 1-8 OR
13010	Science 8	8	Science (grade 8 only) typically includes subject matter from several strands of science, including earth sciences, physical sciences, and life or environmental sciences, and may organize material around thematic units. Specific content depends upon state standards for grade 8.	13047–Composite/General Science ◆ 5-12 OR
13016	STEM Seminar (Science)	7	STEM Seminar provides students with a project based and integrated and holistic experience with Science Technology Engineering and Math. It focuses on engaging students in hands on interdisciplinary application of the Engineering Design Process. Students engage in authentic projects and create products, presentations, and network with local STEM industry experts. In this course, students uncover and acquire a cohesive set of concepts, competencies, and dispositions of science, technology, engineering, and mathematics that they transfer and apply in both academic and real-world contexts in order to be globally competitive in the 21st Century. This course curriculum infuses academic content from mathematics, science, and language arts. It utilizes state standards, technical skills and develops 21st Century Skills such as communication, networking, collaboration, decision making, creatively and critical thinking. Note: Use STEM Seminar (Math) under Mathematics.	50417–Middle School Science Major Equivalency ◆ 5-8 or 7-8 OR 13010–Biology ◆ 5-12 OR 13035–Earth Science ◆ 5-12

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
SCIENCE - continued				
13017	STEM Seminar (Science)	8	<p>STEM Seminar provides students with a project based and integrated and holistic experience with Science Technology Engineering and Math. It focuses on engaging students in hands on interdisciplinary application of the Engineering Design Process. Students engage in authentic projects and create products, presentations, and network with local STEM industry experts. In this course, students uncover and acquire a cohesive set of concepts, competencies, and dispositions of science, technology, engineering, and mathematics that they transfer and apply in both academic and real-world contexts in order to be globally competitive in the 21st Century. This course curriculum infuses academic content from mathematics, science, and language arts. It utilizes state standards, technical skills and develops 21st Century Skills such as communication, networking, collaboration, decision making, creatively and critical thinking.</p> <p>Note: Use STEM Seminar (Math) under Mathematics.</p>	<p>License Code: 50015–Elementary Educ. ◆ K-8 or 1-8 OR 13047-Composite/General Science ◆ 5-12 OR 50417-Middle School Science Major Equivalency ◆ 5-8 or 7-8 OR 13010-Biology ◆ 5-12 OR 13035-Earth Science ◆ 5-12</p>
13030	Physical Science	8 (see note)	<p>Physical Science involves the study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.</p> <p>NOTE: This course code should only be used for MIS03 reporting purposes when a grade 8 student is receiving high school credit. Max credit = 1.</p>	<p>License Code: 13045-Physical Science ◆ 7-12 or 9-12</p>

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
SOCIAL STUDIES				
15005	Social Studies 7	7	Social Studies (grade 7 only) provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for grade 7.	License Code: 50015–Elementary Educ. ◆ K-8 or 1-8
15009	Social Studies 8	8	Social Studies (grade 8 only) provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Typically, this course focuses on single disciplines at a time (e.g., state-specific history and government, U.S. history, world history, or civics) to develop discipline-related skills. Specific content depends upon state standards for grade 8.	OR 15035-Composite Social Studies ◆ 5-12
15006	North Dakota Studies	7-8	North Dakota Studies examines the history, politics, economics, society, and/or cultures of the state in the United States. This course may focus primarily on the history of the state or may take an interdisciplinary approach to the contemporary issues affecting it. This course must include instruction in the federally recognized Indian tribes in the state of North Dakota, as cited in NDCC 15.1-21-01. <i>NOTE: North Dakota Studies is a required course in grade 8 (NDCC 15.1-21-01).</i>	OR 50217-Middle School Social Studies Major Equivalency ◆ 5-8 or 7-8 OR 50217-Middle School Social Studies Major Equivalency ◆ 5-8 or 7-8 OR 15015-Geography ◆ 5-12 OR 15020-History ◆ 5-12
15007	Geography	7-8	Geography provides an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.	License Code: 50015–Elementary Educ. ◆ K-8 or 1-8 OR 15015-Geography ◆ 5-12 OR 50217-Middle School Social Studies Major Equivalency ◆ 5-8 or 7-8

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
SOCIAL STUDIES - continued				
15008	U.S. History	7-8	U.S. History provides an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. This course typically includes a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement. Content also includes the significance of the Declaration of Independence, the Constitution, and the Bill of Rights.	License Code: 50015–Elementary Educ. ◆ K-8 or 1-8 OR 15020–History ◆ 5-12 OR 50217–Middle School Social Studies Major Equivalency ◆ 5-8 or 7-8 OR 15020–History (minor) ◆ 1-8
TECHNOLOGY AND BUSINESS				
03005	Computers & Keyboarding I	7-8	The student will develop basic skill in operating the keyboard (letters, numbers, and symbols), basic machine operation, and proper keystroke technique. As students progress, they improve their speed and accuracy and produce increasingly complex documents in order to help students develop keyboard proficiency, document production skills, and problem-solving skills.	License Code: 03020–Business Ed/General Business ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8
03006	Computers & Keyboarding II	7-8	The student will further develop skills in operating a computerized keyboard by using the touch system to produce mailable business documents. Mailability standards apply to keying, formatting, grammar, punctuation, capitalization, spelling, content, and layout and design. The student will be able to format academic and business reports. A parallel focus is placed on the use of software commands and functions to create, edit, format, and manipulate documents, capitalizing on the power offered by word-processing software programs. These courses may also cover file and disk management and other computer-related skills.	OR 03025–CTE Business Education ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 23000–Computer Science ◆ 5-12 or 9-12
03007	Personal Finance	7-8	The learning experience will provide an overview of the American monetary and banking systems as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.	License Code: 03020–Business Ed/General Business ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 03025–CTE Business Education ◆ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
TECHNOLOGY AND BUSINESS - continued				
03008	Computer Applications ♦ Prerequisite: Keyboarding or equivalent skill	7-8	Students will learn about operating system concepts, disk and file formats, disk and file management. Students learn to use utilities to sort, merge, copy, back up, and recover data. They also explore and utilize business applications software including (but not limited to) word-processing, spreadsheet, presentation, and database programs, and they may also cover the use of electronic mail and desktop publishing. Successful attainment of competencies within the various applications can lead to industry certification, such as MOUS (Microsoft Office User Specialist).	License Code: 50015–Elementary Educ. ♦ K-8 or 1-8 OR 03020-Business Ed/General Business ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 03025-CTE Business Education ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 23000-Computer Science ♦ 5-12 or 9-12 OR 27102-CTE Computer Software ♦ 5-12
03009	Business Ownership & Careers	7-8	The students will be introduced to entrepreneurship, business opportunities and requirements as well as related career information and self-assessment opportunities. Students will explore important entrepreneurship concepts, characteristics of different types of business organizations and opportunities, entrepreneurial career examples, individual career assessment and planning, entrepreneurial projects, and simulations.	License Code: 03020-Business Ed/General Business ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8 OR 03025-CTE Business Education ♦ K-12, 1-12, 5-12, 9-12, K-8, 1-8, or 5-8

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
TECHNOLOGY AND BUSINESS - continued				
10006	Applying Technology	7-8	This is an activity-based course addressing all 20 of the Standards for Technological Literacy using primarily a modular classroom environment.	License Code: 10005-Industrial Arts ♦ 5-12 or 9-12 OR 10007-Technology Education ♦ 5-12 or 9-12 OR 10010-Industrial Technology ♦ 5-12 or 9-12 OR 10007-Technology Education Master's ♦ K-8 or 1-8
10007	Invention & Innovation	7-8	Invention and Innovation prepares students with opportunities to apply the design process in the invention or innovation of a new product, process, or system. Students learn about the core concepts of technology and about the various approaches to solving problems, including engineering design and experimentation. Students apply their creativity in the invention and innovation of new products, processes, or systems. Students participate in engineering-design activities where they learn about brainstorming, visualizing, modeling, constructing, testing, experimenting, and refining designs. Students also develop skills in researching for information, communicating design information, and reporting results. A state recommended course guide is available.	
10008	Technological Systems	7-8	Technological Systems is designed to introduce students to systems and processes to develop an understanding of the impact of technology on humans, the environment, and the global community. It is intended to teach students to learn how systems work together to solve problems and capture opportunities. By investigating systems through their function, design, and development, students will understand what systems are, why they are developed and how 'systems thinking' can be used to describe them. Students engage in activities and experiences where they evaluate the impacts of technology through the lenses of culture, society, economics and the environment. A state recommended course guide is available.	
10105	Exploring Technology	7-8	Exploring Technology prepares students with an understanding of what is technology, the universal systems model, and opportunities to apply the engineering design process in problem solving. Students have opportunities to study the scope of technology and its impacts on society. They learn about the core concepts of technology and about the various approaches to solving problems, including engineering design and experimentation. Students are involved in activities and experiences where they learn about brainstorming, visualizing, modeling, constructing, testing, experimenting, and refining designs. Students also develop skills in researching for information and communicating design information. A state recommended course guide is available.	
10108	PLTW GTT Foundations	7-8	This is a Project Lead the Way Gateway to Technology (GTT) course that consists of the Automation and Robotics, Design and Modeling and Energy and the Environment units. Students trace the history, development and influence of automation and robotics by designing, building and program solutions to existing problems. Students are introduced to and use the design process to solve problems and understand its effect on our lives. Students will also investigate the impact of energy on our lives and on the environment and evaluate energy consumption, efficiency and sustainability.	

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
TECHNOLOGY AND BUSINESS - continued				
10109	PLTW GTT Specialization	7-8	This is a Project Lead the Way Gateway to Technology (GTT) course that consists of the Flight and Space, Magic of Electrons and Science of Technology units. Students will explore the science behind aeronautics, design, build and test airfoils and use simulation software to “Experience” space travel. Students will explore the science of electricity, behavior of atoms and sensing devices. Students will also apply concepts in physics, chemistry and nanotechnology to STEM activities and projects.	License Code: 10109-Project LEAD the WAY Endorsement (GTT Specialization) ◆ 5-12
10201	PLTW Introduction to Computer Science	7-8	This is a Project Lead the Way Computer Science course where students work in teams to create apps for mobile devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Students build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. They transfer the understanding of programming gained in App Inventor® to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.	License Code: 10201-Project LEAD the WAY Endorsement (Introduction to Computer Science) ◆ 5-12
23009	Computer Science 7-8	7-8	Computer Science offers a broad exploration of the use of computers in a variety of fields. This course has a considerable amount of range of content, but typically includes the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications.	License Code: 23000-Computer Science ◆ 5-12 or 9-12
27005	Introduction to Information Technology	7-8	An exploratory level course that provides an exposure to careers and issues in information technology. Students will develop SCAN skills including teamwork, communication, entrepreneurship, and personal management. Students will also gain hands-on experience in three major IT areas including: <ul style="list-style-type: none"> • Hardware and Software: Safety and tools, numbering systems and basic electricity, operating systems, troubleshooting, etc. • Networking: LAN fundamentals, peer-to-peer networking, IP Addressing, troubleshooting, etc. • Programming/Interactive-media: Visual Basic and HTML basics. 	License Code: 27005-CTE Information Technology ◆ 5-12 OR 27101-CTE Information Technology ◆ 5-12
27009	Introduction to Programming Languages	7-8	This course will provide students with a solid foundation for understanding the fundamental concepts of programming languages. It will include coverage of concepts and constructs from languages like C#, JAVA™, JavaScript™, Perl, PHP, Python, Ruby, XHTML, XSLT, and JSP.	License Code: 27120-CTE Introduction to Programming Languages ◆ 5-12
27010	Introduction to Cybersecurity	7-8	Introduction to Cybersecurity cover trends in cybersecurity and career opportunities. Course modules will define cyber security, explain why it's important and introduce products and processes used to secure data. Students will also explore why cybersecurity is critical in business and medical industries, how hackers use unsuspecting individuals to propagate malware and why cybersecurity is a growing profession.	License Code: 27280-CTE Introduction to Cybersecurity ◆ 5-12

GRADES 7-8 COURSE CODES

Course Code	Course Name	Recommended Grade Levels	Description	License/credential Required**
TECHNOLOGY AND BUSINESS - continued				
27030	Computing Gaming and Design	7-8	Computer Gaming and Design courses prepare students to design computer games by studying design, animation, artistic concepts, digital imaging, coding, scripting, multimedia production, and game play strategies. Advanced course topics include, but are not limited to, level design, environment and 3D modeling, scene and set design, motion capture, and texture mapping.	License Code: 27130-CTE Computer Gaming and Design ◆ 5-12

* *Elementary and Middle school curricular requirements are spelled out in NDCC 15.1-21-01.*

** *Please refer to the second page of the teacher's North Dakota Educator's Professional license to verify which subject areas a teacher is qualified to teach. Licenses and endorsements are obtained on a teaching license from the Education Standards and Practices Board (ESPB). Credentials are obtained from the Department of Public Instruction (DPI) and are issued to individuals holding a current teaching license.*