

GRADES 1-6 COURSE CODES

Course Code	Course Name	Grade Levels	Description	License/credential Required**
ENGLISH AS A SECOND LANGUAGE				
24001	English as a Second Language	1-6	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.	License Code: 24000-ELL ◆ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8
ENGLISH/LANGUAGE ARTS				
05002	Remedial Reading	1-6	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-6, 1-6, K-8, or 1-8 AND Reading credential
05301	Language Arts 1	1	Language Arts (grade 1) includes the four aspects of language use: reading, writing, speaking, and listening. This course may emphasize recognition of and response to various types of text, extension of vocabulary and writing skills, and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1.	License Code: 50015–Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8 OR 50037–Early Childhood ◆ B-3
05302	Language Arts 2	2	Language Arts (grade 2) includes the four aspects of language use: reading, writing, speaking, and listening. This course may build students’ skills in independent reading and writing by increasing reading and writing fluency, vocabulary, and recognition of word and language patterns. It may also introduce or reinforce the rules of grammar. Specific content depends upon state standards for grade 2.	
05303	Language Arts 3	3	Language Arts (grade 3) includes the four aspects of language use: reading, writing, speaking, and listening. This course may emphasize independent reading and writing in a variety of assignments. Some emphasis may also be placed on presentation or oral communication skills. Specific content depends upon state standards for grade 3.	

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
ENGLISH/LANGUAGE ARTS - continued				
05304	Language Arts 4	4	Language Arts (grade 4) includes the four aspects of language use: reading, writing, speaking, and listening. This course may emphasize independent reading and writing in a variety of assignments and require students to respond to different material in different ways. Grammar and usage of the English language may also be emphasized. Specific content depends upon state standards for grade 4.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8
05305	Language Arts 5	5	Language Arts (grade 5) includes the four aspects of language use: reading, writing, speaking, and listening. This course may extend students' skills in composition, writing for particular purposes or audiences, distinguishing meaning and literary functions in texts, and fluency in reading. Specific content depends upon state standards for grade 5.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8
05306	Language Arts 6	6	Language Arts (grade 6) 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. This course may emphasize the use of language for different effects, in different contexts, and for different purposes. Specific content depends upon state standards for grade 6.	OR 50117-Middle School English Major Equivalency ◆ 5-8
05311	Reading 1	1	Reading (grade 1) focuses on reading skills and may emphasize recognition of and response to various types of text; extension of vocabulary; and the connection of language to the expression of ideas. Specific content depends upon state standards for grade 1.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8
05312	Reading 2	2	Reading (grade 2) focuses on reading skills and may build students' skills in independent reading by increasing reading fluency, vocabulary, and recognition of word and language patterns. Specific content depends upon state standards for grade 2.	OR 05007-Reading ◆ K-6, 1-6, K-8, 1-8, 1-12, or K-12
05313	Reading 3	3	Reading (grade 3) courses focus on reading skills and may emphasize independent reading in a variety of assignments. Some emphasis may also be placed on presentation skills. Specific content depends upon state standards for grade 3.	OR 50037-Early Childhood ◆ B-3
05314	Reading 4	4	Reading (grade 4) focuses on reading skills and may emphasize independent reading in a variety of assignments and require students to respond to different material in different ways. Specific content depends upon state standards for grade 4.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8 OR 05007-Reading ◆ K-6, 1-6, K-8, 1-8, 1-12, or K-12

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
ENGLISH/LANGUAGE ARTS - continued				
05315	Reading 5	5	Reading (grade 5) courses focus on reading skills and may extend students' skills in distinguishing meaning and literary functions in texts, and fluency in reading. Specific content depends upon state standards for grade 5.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8
05316	Reading 6	6	Reading (grade 6) 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 6.	OR 05007-Reading ◆ K-6, 1-6, K-8, 1-8, 1-12, or K-12 OR 50117-Middle School English Major Equivalency ◆ 5-8
FAMILY AND CONSUMER SCIENCES				
09204	Family & Consumer Sciences	5-6	Family and Consumer Science courses are inclusive studies of knowledge and skills that are useful for the efficient and productive management of the home. Course topics typically include foods and nutrition; clothing; child development and care; housing design, decoration, and maintenance; consumer decisions and personal financial management; and interpersonal relationships.	License Code: 09025-Home Economics ◆ 7-12 or 9-12 OR 09035-CTE Family & Consumer Sciences ◆ 7-12 or 9-12 OR 09040-Family & Consumer Science ◆ 7-12 or 9-12 AND 50090-Middle School Family & Consumer Science Endorsement ◆ 5-8 OR 50090-Middle School Family & Consumer Science Endorsement ◆ 5-8

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
FINE AND PERFORMING ARTS				
02001	Art	1-6	Art provides activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, and strengthen their critical abilities. Although the art form typically involves visual arts (drawing, painting, sculpture, crafts, and the like), students may also explore other forms of art such as dance, music, and theater. Specific course content conforms to any existing state standards.	License Code: 02005-Art ♦ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8 OR 50015-Elementary Educ. ♦ K-6, 1-6, K-8, or 1-8 OR 50037-Early Childhood ♦ B-3 NOTE: The 50037 Early Childhood degree allows a teacher to teach students in prekindergarten to grade 3 only.
12001	General Music (Classroom)	1-6	Music 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. Specific course content conforms to any existing state standards.	License Code: 12005-Instrumental Music ♦ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8 OR 12010-Music ♦ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8 OR 12015-Vocal Music ♦ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, or 1-8 OR 50015-Elementary Educ. ♦ K-6, 1-6, K-8, or 1-8 OR 50037-Early Childhood ♦ B-3 NOTE: The 50037 Early Childhood degree allows a teacher to teach students in prekindergarten to grade 3 only.

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
FINE AND PERFORMING ARTS - continued				
12002	Instrumental Music	1-6	The study of music to develop 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, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8 OR 12010-Music ◆ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8
12003	Supervised Instrumental Lessons	1-6	Supervised Instrumental Lessons, often conducted with instructors, professional musicians, or voice coaches as mentors, enables 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.	
12004	Vocal Music	1-6	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, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8 OR 12015-Vocal Music ◆ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, or 1-8
FOREIGN LANGUAGES				
06002	Native Language	1-6	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.	License Code: 15046-Native American Studies ◆ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, or 1-8
06103	French	1-6	French introduces and then extends 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, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
FOREIGN LANGUAGES - continued				
06104	German	1-6	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).	License Code: 06015-German ◆ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8
06106	Latin	1-6	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).	License Code: 06025-Latin ◆ K-12, 1-12, 7-12, 9-12, K-8, or 1-8
06107	Spanish	1-6	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).	License Code: 06035-Spanish ◆ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 7-8, or 1-8

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
GENERAL EDUCATION				
00501	Alternative Education	6	This is an alternative education program for students enrolled in grades six through eight for at least an average of fifteen hours per week.	Any teaching license
20006	Successful School and Life Skills	6	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.	
HEALTH				
18001	Health	1-6	Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses 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, 7-12, 9-12, 10-12, K-6, 1-6, K-8, or 1-8 OR 08025-Physical Education ♦ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, or 1-8 OR 08027-Health & Physical Education ♦ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, or 1-8 OR 50015-Elementary Educ. ♦ K-6, 1-6, K-8, or 1-8 OR 50037-Early Childhood ♦ B-3 NOTE: The 50037 Early Childhood degree allows a teacher to teach students in prekindergarten to grade 3 only. OR

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
HEALTH - continued				
18001	<p>continued from pg. 7</p> <p>Health</p>	1-6		<p>These licensure types can teach Health to Grades 5-6 only:</p> <p>09025-Home Economics ◆ 7-12 or 9-12</p> <p>OR</p> <p>09035-CTE Family & Sciences ◆ 7-12 or 9-12</p> <p>OR</p> <p>09040-Family & Consumer Science ◆ 7-12 or 9-12</p> <p>AND</p> <p>50090-Middle School Family & Consumer Science Endorsement ◆ 5-8</p> <p>OR</p> <p>50090-Middle School Family & Consumer Science ◆ 5-8</p> <p>OR</p> <p>50417-Middle School Science Major Equivalency ◆ 5-8</p> <p>OR</p> <p>50017-Middle School ◆ 5-8</p>

GRADES 1-6 COURSE CODES

Course Code	Course Name	Grade Levels	Description	License/credential Required**
MATHEMATICS				
11002	Remedial Mathematics	1-6	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-6, 1-6, K-8, or 1-8 AND Math Credential
11003	Title I Mathematics	1-6	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.	
11011	Transition Mathematics 6	6	Transition Mathematics 6 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.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8 OR 50317-Middle School Mathematics Major Equivalency ◆ 5-8 OR 11010-Mathematics ◆ 7-12 AND 50517-Middle School Pedagogical Endorsement ◆ 5-8
11301	Mathematics 1	1	Mathematics (grade 1) helps build a conceptual foundation in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. This course often requires students to develop their numerical fluency and to make calculation predictions. Specific content depends upon state standards for grade 1.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8 OR 50037-Early Childhood ◆ B-3
11302	Mathematics 2	2	Mathematics (grade 2) continues to build a conceptual foundation in number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. This course often requires students to develop their numerical fluency, particularly in addition and subtraction, and to solve problems using those operations as well as estimation. Specific content depends upon state standards for grade 2.	
11303	Mathematics 3	3	Mathematics (grade 3) emphasizes number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. This course often requires students to improve their numerical fluency, adding multiplication and division to addition and subtraction operations, using whole numbers and parts (quarters, thirds, halves), and estimation. Specific content depends upon state standards for grade 3.	

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
MATHEMATICS - continued				
11304	Mathematics 4	4	Mathematics (grade 4) emphasizes number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. Course content may include activities that help students increase operational fluency, make connections between abstract symbols and concrete events or concepts, or present conclusions based on data. Specific content depends upon state standards for grade 4.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8
11305	Mathematics 5	5	Mathematics (grade 5) emphasizes number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. Course content may include activities that help students increase operational fluency, make connections between abstract symbols and concrete events or concepts, or present their mathematical reasoning. Specific content depends upon state standards for grade 5.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8 OR 50317-Middle School Mathematics Major Equivalency ◆ 5-8
11306	Mathematics 6	6	Mathematics (grade 6) emphasizes skills in numerical operations (including basic operations and their proper order); measurement; patterns; simple functions; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 6.	

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PHYSICAL EDUCATION				
08002	Physical Education	1-6	Physical Education 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, 7-12, 9-12, 10-12, K-6, 1-6, K-8, or 1-8 OR 08025-Physical Education ♦ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, or 1-8 OR 08027-Health & Physical Education ♦ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, or 1-8 OR 50015-Elementary Educ. ♦ K-6, 1-6, K-8, or 1-8 OR 50037-Early Childhood ♦ B-3 NOTE: The 50037 Early Childhood degree allows a teacher to teach students in prekindergarten to grade 3 only. For Grades 5-6 only: 50017-Middle School ♦ 5-8 NOTE: The 50017 Middle School allows a teacher to teach students in grades 5-6 only.
08004	Adaptive Physical Education	1-6	These courses provide physical education activities (sports, fitness, and conditioning) adapted for students with special needs.	

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
SCIENCE				
13301	Science 1	1	Science (grade 1) allows students to identify interactions and patterns in objects and events and to record observations in written or visual form. Typically, students investigate systems of living organisms and the environment. Specific content depends upon state standards for grade 1.	License Code: 50015-Elementary Educ. ♦ K-6, 1-6, K-8, or 1-8 OR 50037-Early Childhood ♦ B-3
13302	Science 2	2	Science (grade 2) continues to introduce students to basic scientific processes and principles. Course content may include identification of patterns, classification and sequencing, or manipulation of systems to observe interactions between parts and record the effects of change. Specific content depends upon state standards for grade 2.	
13303	Science 3	3	Science (grade 3) involves observation, measurement, and description of simple systems. Course content may include the scientific process; life and environmental science; and physical, earth, and space science. Specific content depends upon state standards for grade 3.	
13304	Science 4	4	Science (grade 4) typically explores complex systems, such as plant and animal adaptation, forces and motion, and physical and chemical changes in matter, or content consistent with state academic standards. Other course content may include concepts of biology, geology, and astronomy. Students may identify causes and effects of change, make predictions, and gather data from multiple sources. Scientific inquiry may contain concepts of technological design. Specific content depends upon state standards for grade 4.	License Code: 50015-Elementary Educ. ♦ K-6, 1-6, K-8, or 1-8
13305	Science 5	5	Science (grade 5) builds on the study of various systems. It may include identification and description of cycles, comparisons of forms of matter and energy, forces, or content consistent with state academic standards. Other course content may include concepts of biology, geology, and astronomy. Students may make comparisons and interpret and analyze information. Scientific inquiry may contain concepts of technological design. Specific content depends upon state standards for grade 5.	License Code: 50015-Elementary Educ. ♦ K-6, 1-6, K-8, or 1-8 OR 50417-Middle School Science Major Equivalency ♦ 5-8
13306	Science 6	6	Science (grade 6) includes subject matter from several strands of science, including earth/space sciences, physical sciences, and life or environmental sciences including biology, geology, astronomy, physics and anatomy. Scientific inquiry may contain concepts of technological design. Specific content depends upon state standards for grade 6.	

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
SOCIAL STUDIES				
15003	North Dakota Studies	1-6	<p>North Dakota Studies examines the history, politics, economics, society, and/or cultures of one state in the United States. This course may focus primarily on the history of that state or may take an interdisciplinary approach to the contemporary issues affecting it.</p> <p>Note: North Dakota Studies is a required course for grade 4 (NDCC 15.1-21-01).</p>	<p>License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8</p> <p>OR</p> <p>50037-Early Childhood ◆ B-3</p> <p>NOTE: The 50037 Early Childhood degree allows a teacher to teach students in prekindergarten to grade 3 only.</p>
15311	Social Studies 1	1	Social Studies (grade 1) develop foundational skills in the social studies disciplines: history, geography, civics and government, economics, and personal finance. These disciplines are often taught together and organized around a theme. Specific content depends upon state standards for grade 1.	<p>License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8</p> <p>OR</p> <p>50037-Early Childhood ◆ B-3</p>
15302	Social Studies 2	2	Social Studies (grade 2) help students reach greater understanding of the social studies disciplines: history, geography, civics and government, economics, and personal finance. This course often offers study of these disciplines in an integrated fashion, through the context of a specific theme or discipline, such as state-based social studies or the history of a people and culture. Specific content depends upon state standards for grade 2.	
15303	Social Studies 3	3	Social Studies (grade 3) build on previous knowledge and introduce concepts in the social studies disciplines: history, geography, civics and government, economics, and personal finance. Instruction of the disciplines is often integrated for instructional purposes. Students may study these disciplines through the context of a specific theme or discipline, such as state-based social studies or U.S. history and culture. Specific content depends upon state standards for grade 3.	
15304	Social Studies 4	4	Social Studies (grade 4) continue to develop skills in history, geography, civics and government, and economics. Although the four disciplines are typically integrated, this course may take a more discipline-specific approach, such as concentrating on U.S. history, state-specific history, economics, timelines, exploration, government, geography and citizenship or civic engagement for periods of time. Additional content may include personal finance. Specific content depends upon state standards for grade 4.	
15305	Social Studies 5	5	Social Studies (grade 5) continue to develop skills in history, geography, civics and government, economics, and personal finance. This course may be more discipline-specific (dividing up state history, U.S. history, geography, government, and so on). Specific content depends upon state standards for grade 5.	<p>License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8</p> <p>OR</p> <p>50217-Middle School Social Studies Major Equivalency ◆ 5-8</p>

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Course Code	Course Name	Grade Levels	Description	License/credential Required**
SOCIAL STUDIES - continued				
15306	Social Studies 6	6	Social Studies (grade 6) provide a greater understanding of social studies disciplines, including history, geography, civics and government, and economics. This course often focuses on the history, culture, and World History: Prehistory to Renaissance including early economics and finance. Typically, students develop skills used in the social studies disciplines. Specific content depends upon state standards for grade 6.	License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8 OR 50217-Middle School Social Studies Major Equivalency ◆ 5-8
TECHNOLOGY				
03001	Keyboarding	1-6	Keyboarding courses provide an introduction to 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. Such courses help students develop keyboard proficiency, document production skills, and problem-solving skills. Note: Research indicates that keyboarding instruction should not begin before grade 3.	License Code: 03020-Business Ed/General Business ◆ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8 OR 03025-CTE Business Education ◆ K-12, 1-12, 7-12, 9-12, K-6, 1-6, K-8, 5-8, or 1-8
03002	Computer Literacy	1-6	Computer Literacy courses provide to students the knowledge and ability to use computers and technology efficiently. Typically, course content includes exposure to word-processing, spreadsheet, and presentation applications, but also may include the various uses of computers in modern society. Specific course content aligns with state standards to promote students' technological literacy. Note: It is strongly recommended that students complete a keyboarding course prior to taking computer literacy.	OR 23000-Computer Science ◆ 7-12 or 9-12 OR 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8 OR 50037-Early Childhood ◆ B-3 NOTE: The 50037 Early Childhood degree allows a teacher to teach students in prekindergarten to grade 3 only.

GRADES 1-6 COURSE CODES

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TECHNOLOGY				
10002	STEM 1-6	1-6	<p>Elementary education teachers who use STEM lessons that introduce creativity and innovation can help students with career exploration and development. Students are inspired to take an early look at opportunities and occupations like alternative energy, green transportation, engineering, technology, mathematics, and science to name a few.</p> <p>The increased dependence on technology will require all students to have a solid foundation in the STEM disciplines. Through hands-on, problem and project-based learning, that emphasizes critical thinking and problem solving, students will be preparing for the 21st century workforce.</p> <p>An emphasis on design and problem solving in the classroom will allow students to use cross-disciplinary tools for discovery and for developing solutions to problems that are open-ended (allowing for interactive steps, rather than highly structured patterns). Such a classroom would give students an understanding of the relationships of STEM areas as they are used in the real world beyond the classroom walls.</p>	<p>License Code: 50015-Elementary Educ. ◆ K-6, 1-6, K-8, or 1-8</p>
10003	Technology Innovation	5-6	<p>Technological Innovation exposes students to the communication, transportation, energy, production, biotechnology, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses.</p>	<p>License Code: 10005-Industrial Arts ◆ 7-12 or 9-12 OR 10007-Technology Education ◆ 7-12 or 9-12 OR 10010-Industrial Technology ◆ 7-12 or 9-12 AND 10006-Middle School Technology Education Endorsement ◆ 5-8 OR 10007-Technology Education Master's ◆ 1-8</p>
10004	Design, Technology & Engineering	5-6	<p>Design, Technology & Engineering offers students experience in solving problems by applying a design development process. Often using solid modeling computer design software, students develop, analyze, and test product solutions models and communicate the features of those models.</p>	

GRADES 1-6 COURSE CODES

10103	PLTW GTT Foundations	6	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.	License Code: 10108-Project LEAD the WAY Endorsement (GTT Foundations) ◆ 7-12 AND 50517-Middle School Pedagogical Endorsement ◆ 5-8
Course Code	Course Name	Grade Levels	Description	License/credential Required**
TECHNOLOGY - continued				
10104	Exploring Technology	6	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.	License Code: 10005-Industrial Arts ◆ 7-12 or 9-12 OR 10007-Technology Education ◆ 7-12 or 9-12 OR 10010-Industrial Technology ◆ 7-12 or 9-12 AND 50517-Middle School Pedagogical Endorsement ◆ 5-8 OR 10007-Technology Education Master's 1-8

* 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.