Harrisburg Middle Schools
Standards-Based Grading

Student/Parent Guide

Providing informed instruction that will afford students the opportunity to reach their potential.

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A Vision For Instruction

What is standards-based grading?

Standards-based grading is a method by which students, parents, and educators receive the assessment information necessary to guide students towards their potential in each course of study. By providing a detailed report in which students are assessed by content standards (topics) within each course, rather than being given an overall grade, we can more accurately communicate areas of strength as well as areas needing improvement. Students, parents, and educators then have the ability to work together as a team to make informed decisions regarding a student's individual needs.

Why do we assess student performance?

- ***Communication*** of student academic status to students, parents, and teachers.
- ***Encouragement*** and incentive to learn.
- ***Provision*** of information that will allow for informed decision-making: student ***and*** teacher pathways, assistance, and diagnostics.
- ***Measurement*** of growth for students, classes, and standards.

When are assessments the most effective?

- Clear descriptions and expectations of performance are both given and assessed.
- All assessments of learning are meaningful and of high quality.
- Growth is not overly compacted or summarized into a grade.
- Standards are evaluated and bound in evidence.
- All assessments and activities have purpose, are engaging, and address individual needs and skill sets to allow for all students to reach their potential.

When are assessments the least effective?

- Grades are distorted to inflate achievement.
    - Extra Credit
    - Group Scores
    - Attendance
    - Behavior
- Grades are based only in low-level (basic) assessments or invalid/unreliable evidence.
    - No assessment of higher order thinking.
    - The assessment does not measure what it is intended or thought to measure.
    - The assessment does not provide enough information to truly examine a given standard of assessment.
- Grades result from unbalanced calculation.
    - Poor weighting of various assessments and activities.
- Grades do not support the learning process.
    - Students are not given timely feedback.
    - Students are not provided opportunities for reflection and correction of previously completed work.

The Harrisburg School District supports a learning environment in which *every* student is given the opportunity to be successful, to be challenged, and to be supported. Through standards-based grading, it is our hope to provide such an environment by targeting specific content areas for assessment. Each student will be able to develop a unique learner profile in which they better understand their academic strengths and areas in need of improvement. Combined with a support system from our staff and from home, our hope is to develop well-rounded students capable of being successful in all aspects of their lives.

The Grading Process

In pure standards-based grading, students are evaluated through rubric-based mastery of content at the end of an instructional window, and do not receive grades for daily activity. While students are formatively (informally) assessed by their teachers on a daily basis, this approach allows students much more flexibility and comfort to grow towards mastery without feeling the pressures of daily assessment. In a middle school environment, we feel an obligation to prepare our students for some of the expectations they will experience in high school, college, and careers. For that reason, we have combined standards-based grading with a more traditional grading scale to produce a system that carries both the benefits of standards-based grading described previously, and exposes them to performance expectations that they will experience throughout the rest of their lives. In this sense, students truly get the best of both worlds.

Reporting of Grades

Students will receive marks for work on various activities completed in a given course: projects, daily work, quizzes, tests, etc. Within each assessment, points will be assigned by the teacher to a given course content standard, or category, for which they are responsible for mastering. As students progress through the course, they (along with their parents and teachers) will have access to a live online reporting system (Figure 1, Parent Portal) that will allow them to view student progress in each content standard. This will include a list of individual assignments, due dates, and scores categorized by standard. In addition, students and parents will also receive teacher feedback in order to better understand their current grades. At the end of each term, report cards will also be available through Parent Portal, providing a summary of student progress in all courses that the student is enrolled (Figure 2).

Figure 1. Example of Live Grading Report Parent Portal

View as Portal User

Standards Summary	
Legend: Final Grade In-Progress Grade Grade Not Available Yet	
Grading Task	**Course Grade Year**
Understand ratio concepts and use ratio reasoning to solve problems.	M 93.33%
Apply & extend previous understandings of multiplication & division to fractions	E 75%
Compute fluently w/ multi-digit numbers and find common factors & multiples	
Apply & extend understandings of numbers to the system of rational numbers	
Apply & extent understandings of arithmetic to algebraic expressions	
Reason about and solve one-variable equations and inequalities	
Represent & analyze quantitative relationships between dependent & independent variables	
Solve problems involving area, surface area, and volume	
Develop understanding of statistical variability	
Summarize and describe distributions	

Grading Task Summary	
Legend: Final Grade In-Progress Grade Grade Not Available Yet	
Grading Task	**Course Grade Year**
Course Grade	P 84.16%

Year Understand ratio concepts and use ratio reasoning to solve problems. Detail

Category: Daily Work

Name	Due Date	Assigned Date	Score	Turned In	Comments
Daily Work 1	08/25/2016	08/25/2016	70		

Year Apply & extend previous understandings of multiplication & division to fractions Detail

Category: Daily Work

Name	Due Date	Assigned Date	Score	Turned In	Comments
Daily Work 2	08/25/2016	08/25/2016	15		

Year Compute fluently w/ multi-digit numbers and find common factors & multiples Detail

This Standard has no assignments assigned to it.

Year Apply & extend understandings of numbers to the system of rational numbers Detail

This Standard has no assignments assigned to it.

Year Apply & extent understandings of arithmetic to algebraic expressions Detail

This Standard has no assignments assigned to it.

Year Reason about and solve one-variable equations and inequalities Detail

This Standard has no assignments assigned to it.

Year Represent & analyze quantitative relationships between dependent & independent variables Detail

This Standard has no assignments assigned to it.

Figure 2. Example of Student Report Card

Academic Performance Level for Middle School Standards Based				
Name	Meets Standard	Progressing	Emerging	Standard Not Met
Score	M	P	E	N

6TH GRADE MATH	
	Term
	Year
RATIOS AND PROPORTIONAL RELATIONSHIPS	
Understand ratio concepts and use ratio reasoning to solve problems.	
THE NUMBER SYSTEM	
Apply & extend previous understandings of multiplication & division to fractions	
Compute fluently w/ multi-digit numbers and find common factors & multiples	
Apply & extend understandings of numbers to the system of rational numbers	
EXPRESSIONS AND EQUATIONS	
Apply & extent understandings of arithmetic to algebraic expressions	
Reason about and solve one-variable equations and inequalities	
Represent & analyze quantitative relationships between dependent & independent variables	
GEOMETRY	
Solve problems involving area, surface area, and volume	
STATISTICS AND PROBABILITY	
Develop understanding of statistical variability	
Summarize and describe distributions	

7TH GRADE MATH	
	Term
	Year
RATIOS AND PROPORTIONAL RELATIONSHIPS	
Analyze proportional relationships and use them to solve real-world and mathematical problems	
THE NUMBER SYSTEM	
Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers	
EXPRESSIONS AND EQUATIONS	
Use properties of operations to generate equivalent expressions	
Solve real-life and mathematical problems using numerical and algebraic expressions and equations	
GEOMETRY	
Draw, construct, and describe geometrical figures and describe the relationships between	

7TH GRADE MATH	
	Term
	Year
them	
Solve real-life and mathematical problems involving angle measure, area, surface area, and volume	
STATISTICS AND PROBABILITY	
Use random sampling to draw inferences about population	
Draw informational comparative inferences about two populations	
Investigate chance processes & develop, use, & evaluate probability models	

7TH GRADE ELA	
	Term
	Year
READING	
Cite key ideas and details from a text in order to make logical inferences relating to central ideas (themes), the development of individuals, and events.	
Analyze & interpret words, phrases, and structure to gain both technical and stylistic understanding of a text.	
Integrate knowledge & ideas presented in diverse formats of media, including words, in the evaluation and comparative analysis of textual themes, topics, and evidence.	
Read and comprehend complex literary and informational texts independently and proficiently	
WRITING	
Write argumentative, informative, and narrative texts containing relevant, complex, and organized ideas for the sake of effective and well-structured conveyance of content	
Use technological and traditional approaches to produce, develop, and strengthen clear and coherent, purposeful writing.	
Conduct both short and sustained research projects, gathering and citing credible information from multiple print and digital sources in order to support the analysis and reflection of focused research questions	
LANGUAGE	
Demonstrate command of the conventions of	

The Grading Scale:
Understanding Your Child's Grade Report

As stated previously, we have combined standards-based grading with a more traditional grading scale to produce a system that carries both the benefits of standards-based grading described previously, and exposes them to performance expectations that they will experience throughout the rest of their lives. While traditional percentage benchmarks will be used to distinguish between the various levels of performance, standards-based terminology will replace the traditional A through F grading scale in order to give a more detailed description of student performance (Table 1).

Table 1. Middle School Grading Scale

Grade	Percentage
Meets Standard (M)	**90% and above**
Progressing (P)	**80 – 89.5%**
Emerging (E)	**70 – 79.5%**
Standard Not Met (N)	**69.4% and below**
Incomplete (I)	**Inadequate Work: Final Grade Not Assigned**
Standard Not Assessed ( )	**No Scores in Gradebook**

- All standards will be available for assessment during each semester, or term, of the school year.
- Standards <u>not assessed</u> during a given term will be denoted with a <u>blank</u> in the grade book.
- Students must maintain a grade of *Emerging* or higher in each course standard in order to pass the course.

For advanced 8th grade courses, students will be evaluated using the middle school standards-based grading process described above. However, the high school grading scale will be used to determine the letter grade they will receive on their high school transcript. Students must pass *each* of the course standards in order to earn high school credit. Letter grades will be determined based on an overall average of standard grades (see Table 2).

Table 2. High School Grading Scale

Grade	Percentage Required on *every* standard
A	94–100
A-	92–93
B+	90–91
B	86–89
B-	84–85
C+	82–83
C	77–81
C-	75–76
D+	73–74
D	70–72
D-	68–69
F	67 or below

- Students must earn a passing grade for *every* standard in order to earn high school credit.
- The letter grade reported on a student's high school transcript will be determined from an overall average of standard grades and will be based on the high school grading scale shown above.
- Students will earn a weighted 4.2 scale GPA for each advanced course credit earned.

District Content Standards By Course

Below, you will find a list of content standards being assessed in each middle school course in the Harrisburg School District. To right of each standard is listed the state education requirements being met through its assessment.

6th Grade

	District Standard	State Standard
	Spanish	
6.SPN.1	Communicate effectively in more than one language for various purposes in multiple contexts.	World Language 1.1 – 1.3
6.SPN.2	Interact with respect and cultural competence in search of understanding our world.	World Language 2.1 – 2.2
6.SPN.3	Connect with other disciplines and acquire information and diverse perspectives through language.	World Language 3.1 – 3.2
6.SPN.4	Develop insight into the nature of language and culture to enhance linguistic and cultural competence.	World Language 4.1 – 4.2
6.SPN.5	Communicate and interact in the language with respect and cultural competence in both local and global communities.	World Language 5.1 – 5.2
	Health	
6.HE.1	Comprehend concepts related to health promotion and disease prevention to enhance health	Health Education 1.8.1 – 1.8.7; 2.8.1-2.8.9; 3.8.1-3.8.4; 4.8.1-4.8.4; 5.8.1-5.8.5; 6.8.1-6.8.4
6.HE.2	Demonstrate and analyze the influence of self, family, peers, culture, media, technology, and other factors on health behaviors	Health Education 2.8.1 – 2.8.9; 3.8.1 – 3.8.4; 4.8.1 – 4.8.4; 8.8.1 – 8.8.4
6.HE.5	Demonstrate the ability to use decision-making skills, goal setting, and risk reducing behavior to enhance health	Health Education 5.8.1 – 5.8.5; 6.8.1 – 6.8.4; 7.8.1 – 7.8.3

	Physical Education	
6.PE.1	While exhibiting full effort and participation, learner will demonstrate proficiency and apply knowledge in a variety of motor skills, concepts, strategies, performance, and movement patterns.	PE S1.M1.8 – S1.M24.8; S2.M1.8 – S2.M14.8
6.PE.3	While exhibiting full effort and participation, learner will demonstrate the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness.	PE S3.M1.8 – S3.M18.8
6.PE.4	Recognizes, values effort, and exhibits responsible physical and social behavior that respects self, others, and environment, and utilizes physical activity to facilitate this process through participation.	PE S4.M1.8 – S4.M7.8; S5.M1.8 – S5.M6.8
	Social Studies	
	World History	
6.WH.1	Analyze how major events are chronologically connected and evaluate their impact on one another	Social Studies 6.H.1.1 – 6.H.1.2
6.WH.2	Analyze and evaluate the impact of people, events, ideas, and symbols upon history using multiple sources	Social Studies 6.H.2.1 – 6.H.2.4
6.WH.3	Analyze and evaluate historical events from multiple perspectives	Social Studies 6.H.3.1
6.WH.4	Identify and evaluate the causes and effects of past, current, and potential events, issues, and problems	Social Studies 6.H.4.1 – 6.H.4.3
6.WH.5	Develop historical research skills	Social Studies 6.H.5.1 – 6.H.5.3
	Civics/Government	
6.CG.1	Explain, compare and contrast, and analyze the historical principles and philosophical purposes of various forms of government	Social Studies 6.C.1.1 – 6.C.1.3
6.CG.2	Explain the historical impact of primary founding documents of various civilizations	Social Studies 6.C.2.1
6.CG.3	Understand the ways in which a citizen can use their basic rights to influence the decisions of the republic	Social Studies 6.C.5.1

	Economics	
6.ECON.1	Explain how different economic systems coordinate and facilitate the exchange, production, distribution, and consumption of goods and services	Social Studies 6.E.4.1 – 6.E.4.3
	Current Events	
6.CE.1	Gain an understanding and appreciation for current events	Social Studies 6.C.1.2 – 6.C.1.3, 6.C.5.1
6.CE.2	Compare and contrast different types of media that provide the public with information on current events	Social Studies 6.H.3.1
6.CE.3	Provides examples of how current events affect the everyday life of people, including how the reporting of these events allows for an interconnected world in real time	Social Studies 6.C.5.1 – 6.C.5.3
	Computers	
6.CMP.1*	Use technology to research, locate, organize, evaluate, analyze, solve problems, and determine the relevancy and reliability of information in various aspects of life.	Technology 7.ET.RL.1.1 – 7.ET.RL.1.2, 7.ET.RL.2.1
6.CMP.2	Use technology to connect various aspects of life & solving problems.	Technology 7.ET.OC.1.1, 7.ET.OC.2.1, 7.ET.OC.3.1
6.CMP.3	Analyze the safe, ethical, legal, and societal issues related to technology	Technology 7.ET.DC.1.1 – 7.ET.DC.1.5
6.CMP.4	Gain a functional understanding of both past and present technologies in order to creatively optimize use of current technological systems, generate ideas, communicate, and collaborate with others.	Technology 7.ET.OC.1.1 – 7.ET.OC.1.2, 7.ET.OC.2.1, 7.ET.OC.3.1 – 7.ET.OC.3.6
6.CMP.5	Use technology to generate ideas and promote creativity.	Technology 7.ET.CI.1.1
6.CMP.6*	Use technology to communicate & collaborate purposefully with others.	Technology 7.ET.CC.1.1, 7.ET.CC.2.1
*	*Not graded in this course, and instead integrated into all courses.	

Earth and Space Science

	Students will be able to apply, communicate, practice, and relate science and engineering practices, engineering design standards, and crosscutting concepts, as described by the South Dakota Science Standards, in the following core areas:	Science SEP 1 – SEP 8, 6-8-ETS1-1 – 6-8-ETS1-4, CCC: Patterns, Cause/Effect, Scale/Proportion, Systems, Energy/Matter, Structure/Function, Stability/Change, Technology
	Earth's Place in the Universe	
6.EPU.1	The Universe and its stars/Earth and the Solar System	Science MS-ESS1-1 – MS-ESS1-4
	Earth's Systems	
6.ES.1	Earth materials and systems	Science MS-ESS2-1 – MS-ESS2-2
6.ES.2	Plate tectonics and large-scale system interactions: Earth's history and Natural hazards	Science MS-ESS2-3; MS-ESS3-2
6.ES.3	The roles of water in Earth's surface processes	Science MS-ESS2-2, MS-ESS2-4 – MS-ESS2-6
6.ES.4	Weather and Climate/Global Climate Change	Science MS-ESS2-5 – MS-ESS2-6; MS-ESS3-5
	Earth and human activity	
6.EHA.1	Natural resources	Science MS-ESS3-1
6.EHA.3	Human impacts on Earth systems	Science MS-ESS3-3 – MS-ESS3-4
	Laboratory Safety and Skills	
6.LSAFE.1	Develop and practice age-appropriate laboratory safety knowledge, procedures, and skills.	Science and Engineering Practices

General Music/Music Enrichment

6.GM.1	Generate, develop, and refine musical ideas and work	Fine Arts 6-8.MUg.Cr.1.1a, 6-8.MUg.Cr.2.1a – 6-8.MUg.Cr.2.1b, 6-8.MUg.Cr.3.1a – 6-8.MUg.Cr.3.1b, 6-8.MUg.Cr.3.2a

6.GM.2	Develop and refine artistic ideas and work for presentation	Fine Arts 6-8.MUg.Pr.4.1a, 6-8.MUg.Pr.4.2a – 6-8.MUg.Pr.4.2c, 6-8.MUg.Pr.4.3a, 6-8.MUg.Pr.5.1a, 6-8.MUg.Pr.6.1a – 6-8.MUg.Pr.6.1b
6.GM.3	Identify, analyze, and interpret or reflect upon select musical works as they relate to societal, historical, cultural, and personal context to deepen understanding	Fine Arts 6-8.MUg.Re.7.1a, 6-8.MUg.Re.7.2a – 6-8.MUg.Re.7.2b, 6-8.MUg.Re.9.1a, 6-8.MUg.Cn.11.1a
6.GM.4	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUg.Re.8.1a, 6-8.MUg.Cn.10.1a
	Band	
6.BND.1	Organize, develop, and refine artistic ideas and work for presentation	Fine Arts 6-8.MUe.Cr.1.1a, 6-8.MUe.Cr.2.1a, 6-8.MUe.Cr.3.1a, 6-8.MUe.Cr.3.2a, 6-8.MUe.Pr.5.1a
6.BND.2	Identify, analyze, and interpret or reflect upon select works as they relate to societal, historical, cultural, and personal context to gain a deeper understanding of music	Fine Arts 6-8.MUe.Pr.4.1a, 6-8.MUe.Pr.4.2a – 6-8.MUe.Pr.4.2b, 6-8.MUe.Pr.4.3a, 6-8.MUe.Re.7.1a, 6-8.MUe.Re.7.2a – 6-8.MUe.Re.7.2b, 6-8.MUe.Re.9.1a, 6-8.MUe.Cn.10.1a, 6-8.MUe.Cn.11.1a
6.BND.3	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUe.Pr.6.1a – 6-8.MUg.Pr.6.1b, 6-8.MUe.Re.8.1a
	Choir	
6.CHR.1	Organize, develop, and refine artistic ideas and work for presentation	Fine Arts 6-8.MUe.Cr.1.1a, 6-8.MUe.Cr.2.1a, 6-8.MUe.Cr.3.1a, 6-8.MUe.Cr.3.2a, 6-8.MUe.Pr.5.1a
6.CHR.2	Identify, analyze, and interpret or reflect upon select works as they relate to societal, historical, cultural, and personal context to gain a deeper understanding of music	Fine Arts 6-8.MUe.Pr.4.1a, 6-8.MUe.Pr.4.2a – 6-8.MUe.Pr.4.2b, 6-8.MUe.Pr.4.3a, 6-8.MUe.Re.7.1a, 6-8.MUe.Re.7.2a – 6-

		8.MUe.Re.7.2b, 6-8.MUe.Re.9.1a, 6-8.MUe.Cn.10.1a, 6-8.MUe.Cn.11.1a
6.CHR.3	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUe.Pr.6.1a – 6-8.MUg.Pr.6.1b, 6-8.MUe.Re.8.1a
	Art	
6.ART.1	Conceptualize, organize, and develop artistic ideas and work	Fine Arts 6-8.VA.Cr.1.1 – 6-8.VA.Cr.1.2, 6-8.VA.Cr.2.1 – 6-8.VA.Cr.2.4
6.ART.2	Refine and complete artistic work	Fine Arts 6-8.VA.Cr.3.1
6.ART.3	Identify, analyze, interpret, and evaluate artistic works	Fine Arts 6-8.VA.Pr.4.1, 6-8.VA.Re.7.1 – 6-8.VA.Re.7.2, 6-8.VA.Re.8.1, 6-8.VA.Re.9.1
6.ART.4	Relate societal, historical, cultural, and personal experience and knowledge to gain a deeper understanding of art	Fine Arts 6-8.VA.Cn.10.1, 6-8.VA.Cn.11.1
	English/Language Arts	
	Reading	
6.READ.1	Cite key ideas and details from a text in order to make logical inferences relating to central ideas (themes), the development of individuals, and events	English Language Arts 6.RL.1 – 3, 6.RI.1 – 6.RI.3
6.READ.2	Analyze and interpret words, phrases, and structure to gain both a technical and stylistic understanding of a text	English Language Arts 6.RL.4 – 6.RL.6, 6.RI.4 – 6.RI.6
6.READ.3	Integrate knowledge and ideas presented in diverse formats of media, including words, in the evaluation and comparative analysis of textual themes, topics, and evidence	English Language Arts 6.RL.7 – 6.RL.9, 6.RI.7 – 6.RI.9
6.READ.4	Read and comprehend complex literary and informational texts independently and proficiently	English Language Arts 6.RL.10, 6.RI.10
	Writing	
6.WRT.1	Write argumentative, informative, and narrative texts that convey relevant, complex, and organized ideas for the sake of effective and well-structured conveyance of content	English Language Arts 6.W.1 – 6.W.3

6.WRT.2	Use technological and traditional approaches over extended (research, reflection, revision) and shorter (1-2 class periods) time frames to produce, develop, and strengthen clear and coherent, purposeful writing for a range of tasks, purposes, and audiences.	English Language Arts 6.W.4 – 6.W.6, 6.W.10
6.WRT.3	Conduct both short and sustained research projects, gathering and citing credible information from multiple print and digital sources in order to support the analysis and reflection of focused research questions	English Language Arts 6.W.7 – 6.W.9
	Language	
	Students will be able to integrate the Language Progressive Skills, as described in the South Dakota English Language Arts Standards, in the following core areas:	English Language Arts L.3.1f, L.3.3a, L.4.1f, L.4.1g, L.4.3a, L.4.3b, L.5.1d, L.5.2a, L.6.1c, L.6.1d, L.6.1e, L.6.2a, L.6.3a, L.6.3b
6.LNG.1	Demonstrate command of the conventions of Standard English grammar, usage, capitalization, punctuation, and spelling	English Language Arts 6.L.1 – 6.L.2
6.LNG.2	Apply knowledge of language to understand how language functions in different contexts, and to comprehend more fully when reading or listening	English Language Arts 6.L.3
6.LNG.3	Demonstrate the ability to both determine and understand word meaning, relationships, and phrases for reading, writing, speaking, and listening	English Language Arts 6.L.4 – 6.L.6
	Speaking and Listening	
6.SL.1	Prepare for, participate in, and evaluate a range of conversations and collaborations with diverse partners presented in a variety of media and formats	English Language Arts 6.SL.1 – 6.SL.3
6.SL.2	Adapt speech to a variety of contexts, formats, media, and communicative tasks, demonstrating full command of formal English towards the ability to present, express, and understand information	English Language Arts 6.SL.4 – 6.SL.6

	Math	
	Students will be able to integrate the Standards for Mathematical Practice, as described in the South Dakota Mathematics Standards, in the following core areas:	SMP1 – SMP8
	Ratios and Proportional Relationships	
6.MRPR.1	Understand ratio concepts and use ratio reasoning to solve problems	Math 6.RP.1 – 6.RP.3
	The Number System	
6.MNS.1	Apply and extend previous understandings of multiplication and division to divide fractions by fractions	Math 6.NS.1
6.MNS.2	Compute fluently with multi-digit numbers and find common factors and multiples	Math 6.NS.2 – 6.NS.4
6.MNS.3	Apply and extend previous understandings of numbers to the system of rational numbers	Math 6.NS.5 – 6.NS.8
	Expressions and Equations	
6.MEE.1	Apply and extend previous understandings of arithmetic to algebraic expressions	Math 6.EE.1 – 6.EE.4
6.MEE.2	Reason about and solve one-variable equations and inequalities	Math 6.EE.5 – 6.EE.8
6.MEE.3	Represent and analyze quantitative relationships between dependent and independent variables	Math 6.EE.9
	Geometry	
6.MGEO.1	Solve real-world and mathematical problems involving area, surface area, and volume	Math 6.G.1 – 6.G.4
	Statistics and Probability	
6.MSP.1	Develop understanding and provide a description of statistical variability and distributions.	Math 6.SP.1 – 6.SP.5

	FACS	MS CTE Human Services: Human Development, Healthy Lifestyles, Relationships, and Career Exploration; National FACS 2.5-2.6, 8.2-8.5
6.FACS.1	Understand basic cooking, nutrition, and wellness concepts	
6.FACS.2	Analyze the role of family as a unit of society	
6.FACS.3	Explain how personal and interpersonal growth influences relationships.	
6.FACS.4	Analyze growth and development through early childhood	
6.FACS.5	Explore family and consumer science principles	
	Tech Ed	
	Technology Education	
6.TE.1	Understand the scope and nature of technology, including problem solving, application, and the design process.	MS CTE STEM: Introduction to STEM
	Computer Science	
6.MR.1	Understand the various applications of computer science, including coding and robotics	MS CTE STEM: Mechanics/Robotics
	PLTW Design and Modeling	
6.PLTW.1	Understand the influence of creativity and innovation in daily life.	MS CTE STEM: Introduction to STEM
6.PLTW.2	Utilize engineering principals to find innovative solutions to problems.	MS CTE STEM: Introduction to STEM
	Idea Foundry	
6.IF.1	Learners will be able to identify and apply the steps of the Design Thinking Process.	
6.WRT.3	Conduct both short and sustained research projects, gathering and citing credible information from multiple print and digital sources in order to support the analysis and reflection of focused research questions	English Language Arts 6.W.7 – 6.W.9

6.CMP.2	Use technology to connect various aspects of life & solving problems.	Technology 7.ET.OC.1.1, 7.ET.OC.2.1, 7.ET.OC.3.1
6.CMP.5	Use technology to generate ideas and promote creativity.	Technology 7.ET.CI.1.1
6.CMP.6*	Use technology to communicate & collaborate purposefully with others.	Technology 7.ET.CC.1.1, 7.ET.CC.2.1

6th Grade Advanced Courses

	District Standard	State Standard
	Advanced 6th English/Language Arts	
	Reading	
6.READA.1	Cite key ideas and details from a text in order to make logical inferences relating to central ideas (themes), the development of individuals, and events	English Language Arts 7.RL.1 – 7.RL.3, 7.RI.1 – 7.RI.3
6.READA.2	Analyze and interpret words, phrases, and structure to gain a technical, rhetorical, and stylistic understanding of a text and how it conveys meaning	English Language Arts 7.RL.4 – 7.RL.6, 7.RI.4 – 7.RI.6, Pre-AP Standards
6.READA.3	Integrate knowledge and ideas presented in diverse formats of media, including words, in the evaluation and comparative analysis of textual themes, topics, and evidence	English Language Arts 7.RL.7 – 7.RL.9, 7.RI.7 – 7.RI.9
6.READA.4	Read and comprehend complex literary and informational texts independently and proficiently	English Language Arts 7.RL.10, 7.RI.10
	Writing	
6.WRTA.1	Write argumentative, informative, and narrative texts that convey relevant, complex, and organized ideas for the sake of effective and well-structured conveyance of content	English Language Arts 7.W.1 – 7.W.3
6.WRT.2	Use technological and traditional approaches over extended (research, reflection, revision) and shorter (1-2 class periods) time frames to produce, develop, and strengthen clear and coherent, purposeful writing for a range of tasks, purposes, and audiences.	English Language Arts 7.W.4 – 7.W.6, 7.W.10

6.WRTA.3	Conduct both short and sustained research projects, gathering and citing credible information from multiple print and digital sources in order to support the analysis and reflection of focused research questions	English Language Arts 7.W.7 – 7.W.9
6.WRTA.4	Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (one or two class periods) for a range of tasks, purposes, and audiences	English Language Arts 7.W.10
	Language	
	Students will be able to integrate the Language Progressive Skills, as described in the South Dakota English Language Arts Standards, in the following core areas:	English Language Arts L.7.1c, L.7.3a
6.LNGA.1	Demonstrate command of the conventions of Standard English grammar, usage, capitalization, punctuation, and spelling	English Language Arts 7.L.1 – 7.L.2
6.LNGA.2	Apply knowledge of language to understand how language functions in different contexts, and to comprehend more fully when reading or listening	English Language Arts 7.L.3
6.LNGA.3	Demonstrate the ability to both determine and understand word meaning, relationships, and phrases for reading, writing, speaking, and listening	English Language Arts 7.L.4 – 7.L.6
	Speaking and Listening	
6.SLA.1	Prepare for, participate in, and evaluate a range of conversations and collaborations with diverse partners presented in a variety of media and formats	English Language Arts 7.SL.1 – 7.SL.3
6.SLA.2	Adapt speech to a variety of contexts, formats, media, and communicative tasks, demonstrating full command of formal English towards the ability to present, express, and understand information	English Language Arts 7.SL.4 – 7.SL.6
6.SLA.3	Delineate a speaker's argument and specific claims, evaluating the soundness of the reasoning and the relevance and sufficiency of the evidence.	Pre-AP Standards

	Advanced Social Studies Grade 6	
	World History	
6.WHA.1	Use multiple sources to analyze and evaluate the order, connections, and impact of people, events, ideas and symbols from multiple perspectives and disciplines	Social Studies 6.H.1.1 – 6.H.1.2, 6.H.2.1 – 6.H.2.4, 6.H.3.1, Pre-AP Standards
6.WHA.2	Identify cause and effect of events, issues and problems.	Social Studies 6.H.4.1 – 6.H.4.3, Pre-AP Standards
6.WHA.3	Develop historical research skills	Social Studies 6.H.5.1 – 6.H.5.3
	Civics/Government	
6.CGA.1	Understand the historical and philosophical basis for various forms of government	Social Studies 7.C.1.1
6.CGA.2	Explain the historical impact of ancient world history documents created by ancient civilizations	Social Studies 6.C.2.1
6.CGA.3	Explain ways that people can effect or influence society and government	Social Studies 6.C.5.1
	Geography	
6.GEOA.1	Analyze and Interpret geospatial resources, such as maps	Social Studies 7.G.1.1 – 7.G.1.2
6.GEOA.2	Understand and apply the Five Themes of Geography (location, place, human-environment interaction, movement & region)	Social Studies 7.G.2.1 – 7.G.2.3
6.GEOA.3	Recognize the characteristics of the processes that shape places and regions	Social Studies 7.G.3.1 – 7.G.3.3
6.GEOA.4	Understand how geography, population, and culture create global diversity in the past, present, and future	Social Studies 7.G.5.1 – 7.G.5.3; 7.G.7.1 – 7.G.7.3, Pre-AP Standards
6.GEOA.5	Understand the ways in which humans culturally adapt to, use, and modify the natural environment and its various elements	Social Studies 7.G.6.1 – 7.G.6.2

	Advanced 6th Grade Science	
	Students will be able to apply, communicate, practice, and relate science and engineering practices, engineering design standards, and crosscutting concepts, as described by the South Dakota Science Standards, in the following core areas:	Science SEP 1 – SEP 8, 6-8-ETS1-1 – 6-8-ETS1-4, CCC: Patterns, Cause/Effect, Scale/Proportion, Systems, Energy/Matter, Structure/Function, Stability/Change, Technology
	Earth and Space Science	
6.ESSA.1	Identify and describe Earth's four layers and their interactions.	Science MS-ESS2-2
6.ESSA.2	Use evidence and data to describe the movement of Earth's tectonic plates and the resulting events.	Science MS-ESS2-3, MS-ESS3-2
	Life Science	
6.LSA.1	Investigate that living things are made of cells and model the function of each part of the cell	Science MS-LS1-1, MS-LS1-2
6.LSA.2	Genetics and Traits	Science MS-LS1-5, MS-LS3-1, MS-LS4-4, MS-LS4-5, MS-LS4-6
6.LSA.3	Compare and contrast types of reproduction and the factors that influence successful reproduction in nature.	Science MS-LS1-4, MS-LS3-2, MS-LS4-4
6.LSA.4	Model the flow of energy from food to organisms.	Science MS-LS1-6, MS-LS1-7
	Pre-AP	
6.SCAP.1	Use creativity and insight to recognize and describe patterns in natural phenomena	Pre-AP Standards
6.SCAP.2	Use empirical evidence when constructing, analyzing, and evaluating explanations of natural events and processes	Pre-AP Standards
6.SCAP.3	Recognize and use scientific and technical vocabulary in the field of study	Pre-AP Standards
	Laboratory Safety and Skills	
6.LSAFE.1	Develop and practice age-appropriate laboratory safety knowledge, procedures, and skills.	Science and Engineering Practices

	Adv. 6th Math	
	Ratios and Proportional Relationships	
6.MRPRA.1	Compute Unit Rates	Math 7. RP. 1
6.MRPRA.2	Analyze, recognize, and represent proportional relationships in real and mathematical scenarios	Math 7.RP.1 – 7.RP.3
	The Number System	
6.MNSA.1	Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers, and apply them to real-world problems	Math 7.NS.1 – 7.NS.3; 7.NS.A.3
	Expressions and Equations	
6.MEEA.1	Use properties of operations to generate equivalent expressions	Math 7.EE.1 – 7.EE.2
6.MEEA.2	Solve and evaluate the reasonableness of real-world and mathematical problems using numerical and algebraic expressions, equations, and inequalities	Math 7.EE.3 – 7.EE.4
	Geometry	
6.MGEOA.1	Draw (to scale), construct, and describe geometrical figures and describe the relationships between them	Math 7.G.1 – 7.G.3
6.MGEOA.2	Use formulas to solve multi-step real-life and mathematical problems involving angle measure, area, surface area, and volume	Math 7.G.4 – 7.G.6
	Statistics and Probability	
6.MSPA.1	Use random sampling to draw inferences about a population	Math 7.SP.1 – 7.SP.2
6.MSPA.2	Draw informational comparative inferences about two populations	Math 7.SP.3 – 7.SP.4
6.MSPA.3	Investigate chance processes and develop, use, and evaluate probability models	Math 7.SP.5 – 7.SP.8

7th Grade

	District Standard	State Standard
	Spanish	
7.SPN.1	Communicate effectively in more than one language for various purposes in multiple contexts.	World Language 1.1 – 1.3
7.SPN.2	Interact with respect and cultural competence in search of understanding our world.	World Language 2.1 – 2.2
7.SPN.3	Connect with other disciplines and acquire information and diverse perspectives through language.	World Language 3.1 – 3.2
7.SPN.4	Develop insight into the nature of language and culture to enhance linguistic and cultural competence.	World Language 4.1 – 4.2
7.SPN.5	Communicate and interact in the language with respect and cultural competence in both local and global communities.	World Language 5.1 – 5.2
	Health	
7.HE.1	Comprehend concepts related to health promotion and disease prevention to enhance health	Health Education 1.8.1 – 1.8.7; 2.8.1-2.8.9; 3.8.1-3.8.4; 4.8.1-4.8.4; 5.8.1-5.8.5; 6.8.1-6.8.4
7.HE.2	Demonstrate and analyze the influence of self, family, peers, culture, media, technology, and other factors on health behaviors	Health Education 2.8.1 – 2.8.9; 3.8.1 – 3.8.4; 4.8.1 – 4.8.4; 8.8.1 – 8.8.4
7.HE.5	Demonstrate the ability to use decision-making skills, goal setting, and risk reducing behavior to enhance health	Health Education 5.8.1 – 5.8.5; 6.8.1 – 6.8.4; 7.8.1 – 7.8.3
	Physical Education	
7.PE.1	While exhibiting full effort and participation, learner will demonstrate proficiency and apply knowledge in a variety of motor skills, concepts, strategies, performance, and movement patterns.	PE S1.M1.8 – S1.M24.8; S2.M1.8 – S2.M14.8
7.PE.3	While exhibiting full effort and participation, learner will demonstrate the knowledge and skill to achieve and	PE S3.M1.8 – S3.M18.8

	maintain a health-enhancing level of physical activity and fitness	
7.PE.4	Recognizes, values effort, and exhibits responsible physical and social behavior that respects self, others, and environment, and utilizes physical activity to facilitate this process through participation.	PE S4.M1.8 – S4.M7.8; S5.M1.8 – S5.M6.8
	Social Studies	
	Civics/Government	
7.CG.1	Explain, compare and contrast, and analyze the historical principles and philosophical purposes of various forms of governments	Social Studies 7.C.1.1
	Geography	
7.GEO.1	Apply geospatial resources, including data sources and geographic tools to generate, interpret, and analyze information	Social Studies 7.G.1.1 – 7.G.1.2
7.GEO.2	Understand the nature and importance of the Five Themes of Geography: location, place, human-environment interaction, movement, and region	Social Studies 7.G.2.1 – 7.G.2.3
7.GEO.3	Recognize the characteristics of the processes that shape places and regions	Social Studies 7.G.3.1 – 7.G.3.3
7.GEO.4	Identify Earth's physical systems and the ways in which they are dynamic and interactive	Social Studies 7.G.4.1 – 7.G.4.2
7.GEO.5	Recognize and explain the role population and culture play in creating diversity within the world's places and regions	Social Studies 7.G.5.1 – 7.G.5.3
7.GEO.6	Understand the ways in which humans culturally adapt to, use, and modify the natural environment and its various elements	Social Studies 7.G.6.1 – 7.G.6.2
7.GEO.7	Apply geographic knowledge to understand the diversity of Earth's physical and human conditions, past, present, and future	Social Studies 7.G.7.1 – 7.G.7.3
	Economics	
7.ECON.1	Analyze the ways government can impact the market	Social Studies 7.E.3.1

7.ECON.2	Explain how different economic systems coordinate and facilitate the exchange, production, distribution, and consumption of goods and services	Social Studies 7.E.4.1 – 7.E.4.4
	Current Events	
7.CE.1	Gain an understanding and appreciation for current events	Social Studies 7.G.3.2, 7.G.6.1 – 7.G.6.2
7.CE.2	Compare and contrast different types of media that provide the public with information on current events	Social Studies 7.G.1.1
7.CE.3	Provides examples of how current events affect the everyday life of people, including how the reporting of these events allows for an interconnected world in real time	Social Studies 7.G.3.2, 7.G.6.1 – 7.G.6.2
	Computers	
7.CMP.1*	Use technology to research, locate, organize, evaluate, analyze, solve problems, and determine the relevancy and reliability of information in various aspects of life.	Technology 7.ET.RL.1.1 – 7.ET.RL.1.2, 7.ET.RL.2.1
7.CMP.2	Use technology to connect various aspects of life & solving problems.	Technology 7.ET.OC.1.1, 7.ET.OC.2.1, 7.ET.OC.3.1
7.CMP.3	Analyze the safe, ethical, legal, and societal issues related to technology	Technology 7.ET.DC.1.1 – 7.ET.DC.1.5
7.CMP.4	Gain a functional understanding of both past and present technologies in order to creatively optimize use of current technological systems, generate ideas, communicate, and collaborate with others.	Technology 7.ET.OC.1.1 – 7.ET.OC.1.2, 7.ET.OC.2.1, 7.ET.OC.3.1 – 7.ET.OC.3.6
7.CMP.5	Use technology to generate ideas and promote creativity.	Technology 7.ET.CI.1.1
7.CMP.6*	Use technology to communicate & collaborate purposefully with others.	Technology 7.ET.CC.1.1, 7.ET.CC.2.1
*	*Not graded in this course, and instead integrated into all courses.	
	Life Science	
	Students will be able to apply, communicate, practice, and relate science and engineering practices, engineering design standards, and crosscutting concepts, as described by	Science SEP 1 – SEP 8, 6-8-ETS1-1 – 6-8-ETS1-4, CCC: Patterns, Cause/Effect, Scale/Proportion, Systems, Energy/Matter,

	the South Dakota Science Standards, in the following core areas:	Structure/Function, Stability/Change, Technology
	From molecules to organisms: Structures and processes	
7.MTO.1	Structure and function of cells	Science MS-LS1-1 – MS-LS1-3
7.MTO.2	Structure and function of organisms	Science MS-LS1-3, MS-LS3-1
7.MTO.3	Organization for matter and energy flow in organisms, processes, and everyday life	Science MS-LS1-6 – MS-LS1-7, MS-LS1-6
	Ecosystems: Interactions, energy, and dynamics	
7.ECO.1	Interdependent relationships in ecosystems	Science MS-LS2-1 – MS-LS2-2
7.ECO.2	Cycles of matter and energy transfer in ecosystems	Science MS-LS2-3
7.ECO.3	Ecosystem dynamics, functioning, and resilience	Science MS-LS2-4 – MS-LS2-5
	Heredity: Inheritence and variations of traits	
7.HER.1	Inheritance and Variation of Traits	Science MS-LS3-1, MS-LS3-2
	Biological evolution: Unity and diversity	
7.EVO.1	Evidence of common ancestry and diversity	Science MS-LS4-1 – MS-LS4-2
7.EVO.2	Natural Selection & Adaptation	Science MS-LS1-5, MS-LS4-4 – MS-LS4-6
	Laboratory Safety and Skills	
7.LSAFE.1	Develop and practice age-appropriate laboratory safety knowledge, procedures, and skills.	Science and Engineering Practices
	General Music/Music Enrichment	
7.GM.1	Generate, develop, and refine musical ideas and work	Fine Arts 6-8.MUg.Cr.1.1a, 6-8.MUg.Cr.2.1a – 6-8.MUg.Cr.2.1b, 6-8.MUg.Cr.3.1a – 6-8.MUg.Cr.3.1b, 6-8.MUg.Cr.3.2a
7.GM.2	Develop and refine artistic ideas and work for presentation	Fine Arts 6-8.MUg.Pr.4.1a, 6-8.MUg.Pr.4.2a – 6-8.MUg.Pr.4.2c, 6-8.MUg.Pr.4.3a,

		6-8.MUg.Pr.5.1a, 6-8.MUg.Pr.6.1a – 6-8.MUg.Pr.6.1b
7.GM.3	Identify, analyze, and interpret or reflect upon select musical works as they relate to societal, historical, cultural, and personal context to deepen understanding	Fine Arts 6-8.MUg.Re.7.1a, 6-8.MUg.Re.7.2a – 6-8.MUg.Re.7.2b, 6-8.MUg.Re.9.1a, 6-8.MUg.Cn.11.1a
7.GM.4	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUg.Re.8.1a, 6-8.MUg.Cn.10.1a
	Band	
7.BND.1	Organize, develop, and refine artistic ideas and work for presentation	Fine Arts 6-8.MUe.Cr.1.1a, 6-8.MUe.Cr.2.1a, 6-8.MUe.Cr.3.1a, 6-8.MUe.Cr.3.2a, 6-8.MUe.Pr.5.1a
7.BND.2	Identify, analyze, and interpret or reflect upon select works as they relate to societal, historical, cultural, and personal context to gain a deeper understanding of music	Fine Arts 6-8.MUe.Pr.4.1a, 6-8.MUe.Pr.4.2a – 6-8.MUe.Pr.4.2b, 6-8.MUe.Pr.4.3a, 6-8.MUe.Re.7.1a, 6-8.MUe.Re.7.2a – 6-8.MUe.Re.7.2b, 6-8.MUe.Re.9.1a, 6-8.MUe.Cn.10.1a, 6-8.MUe.Cn.11.1a
7.BND.3	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUe.Pr.6.1a – 6-8.MUg.Pr.6.1b, 6-8.MUe.Re.8.1a
	Choir	
7.CHR.1	Organize, develop, and refine artistic ideas and work for presentation	Fine Arts 6-8.MUe.Cr.1.1a, 6-8.MUe.Cr.2.1a, 6-8.MUe.Cr.3.1a, 6-8.MUe.Cr.3.2a, 6-8.MUe.Pr.5.1a
7.CHR.2	Identify, analyze, and interpret or reflect upon select works as they relate to societal, historical, cultural, and personal context to gain a deeper understanding of music	Fine Arts 6-8.MUe.Pr.4.1a, 6-8.MUe.Pr.4.2a – 6-8.MUe.Pr.4.2b, 6-8.MUe.Pr.4.3a, 6-8.MUe.Re.7.1a, 6-8.MUe.Re.7.2a – 6-8.MUe.Re.7.2b, 6-8.MUe.Re.9.1a, 6-8.MUe.Cn.10.1a, 6-8.MUe.Cn.11.1a
7.CHR.3	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUe.Pr.6.1a – 6-8.MUg.Pr.6.1b, 6-8.MUe.Re.8.1a

	Art	
7.ART.1	Conceptualize, organize, and develop artistic ideas and work	Fine Arts 6-8.VA.Cr.1.1 – 6-8.VA.Cr.1.2, 6-8.VA.Cr.2.1 – 6-8.VA.Cr.2.4
7.ART.2	Refine and complete artistic work	Fine Arts 6-8.VA.Cr.3.1
7.ART.3	Identify, analyze, interpret, and evaluate artistic works	Fine Arts 6-8.VA.Pr.4.1, 6-8.VA.Re.7.1 – 6-8.VA.Re.7.2, 6-8.VA.Re.8.1, 6-8.VA.Re.9.1
7.ART.4	Relate societal, historical, cultural, and personal experience and knowledge to gain a deeper understanding of art	Fine Arts 6-8.VA.Cn.10.1, 6-8.VA.Cn.11.1
	English/Language Arts	
	Reading	
7.READ.1	Cite key ideas and details from a text in order to make logical inferences relating to central ideas (themes), the development of individuals, and events	English Language Arts 7.RL.1 – 7.RL.3, 7.RI.1 – 7.RI.3
7.READ.2	Analyze and interpret words, phrases, and structure to gain both a technical and stylistic understanding of a text	English Language Arts 7.RL.4 – 7.RL.6, 7.RI.4 – 7.RI.6
7.READ.3	Integrate knowledge and ideas presented in diverse formats of media, including words, in the evaluation and comparative analysis of textual themes, topics, and evidence	English Language Arts 7.RL.7 – 7.RL.9, 7.RI.7 – 7.RI.9
7.READ.4	Read and comprehend complex literary and informational texts independently and proficiently	English Language Arts 7.RL.10, 7.RI.10
	Writing	
7.WRT.1	Write argumentative, informative, and narrative texts that convey relevant, complex, and organized ideas for the sake of effective and well-structured conveyance of content	English Language Arts 7.W.1 – 7.W.3
7.WRT.2	Use technological and traditional approaches over extended (research, reflection, revision) and shorter (1-2 class periods) time frames to produce, develop, and strengthen clear and coherent, purposeful writing for a range of tasks, purposes, and audiences.	English Language Arts 7.W.4 – 7.W.6, 7.W.10

7.WRT.3	Conduct both short and sustained research projects, gathering and citing credible information from multiple print and digital sources in order to support the analysis and reflection of focused research questions	English Language Arts 7.W.7 – 7.W.9
	Language	
	Students will be able to integrate the Language Progressive Skills, as described in the South Dakota English Language Arts Standards, in the following core areas:	English Language Arts L.3.1f, L.3.3a, L.4.1f, L.4.1g, L.4.3b, L.5.1d, L.5.2a, L.6.1c, L.6.1d, L.6.1e, L.6.2a, L.6.3a, L.6.3b, L.7.1c, L.7.3a
7.LNG.1	Demonstrate command of the conventions of Standard English grammar, usage, capitalization, punctuation, and spelling	English Language Arts 7.L.1 – 7.L.2
7.LNG.2	Apply knowledge of language to understand how language functions in different contexts, and to comprehend more fully when reading or listening	English Language Arts 7.L.3
7.LNG.3	Demonstrate the ability to both determine and understand word meaning, relationships, and phrases for reading, writing, speaking, and listening	English Language Arts 7.L.4 – 7.L.6
	Speaking and Listening	
7.SL.1	Prepare for, participate in, and evaluate a range of conversations and collaborations with diverse partners presented in a variety of media and formats	English Language Arts 7.SL.1 – 7.SL.3
7.SL.2	Adapt speech to a variety of contexts, formats, media, and communicative tasks, demonstrating full command of formal English towards the ability to present, express, and understand information	English Language Arts 7.SL.4 – 7.SL.6
	Math	
	Students will be able to integrate the Standards for Mathematical Practice, as described in the South Dakota Mathematics Standards, in the following core areas:	SMP1 – SMP8

	Ratios and Proportional Relationships	
7.MRPR.1	Analyze proportional relationships and use them to solve real-world and mathematical problems	Math 7.RP.1 – 7.RP.3
	The Number System	
7.MNS.1	Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers	Math 7.NS.1 – 7.NS.3
	Expressions and Equations	
7.MEE.1	Use properties of operations to generate equivalent expressions	Math 7.EE.1 – 7.EE.2
7.MEE.2	Solve real-life and mathematical problems using numerical and algebraic expressions and equations	Math 7.EE.3 – 7.EE.4
	Geometry	
7.MGEO.1	Draw, construct, and describe geometrical figures and describe the relationships between them	Math 7.G.1 – 7.G.3
7.MGEO.2	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume	Math 7.G.4 – 7.G.6
	Statistics and Probability	
7.MSP.1	Use random sampling to develop inferences and evaluate probability models about one or multiple populations	Math 7.SP.1 – 7.SP.8
	FACS	MS CTE Human Services: Human Development, Healthy Lifestyles, Relationships, and Career Exploration; National FACS 2.5-2.6, 8.2-8.5
7.FACS.1	Understand basic cooking, nutrition, and wellness concepts.	
7.FACS.2	Apply food safety and sanitation practices	
7.FACS.3	Explore family and consumer science principles	

	Tech Ed	
	Technology Education	
7.TE.1	Understand the scope and nature of technology, including problem solving, application, and the design process.	MS CTE STEM: Introduction to STEM
	Computer Science	
7.MR.1	Understand the various applications of computer science, including coding and robotics	MS CTE STEM: Mechanics/Robotics
	PLTW: Automation and Robotics	
7.PLTW.1	Explore the history, development, and influence of automation and robotics.	MS CTE STEM: Mechanics/Robotics
7.PLTW.2	Use VEX Robotics to design, build, and program real-world objects.	MS CTE STEM: Introduction to STEM, Mechanics/Robotics

7th Grade Advanced Courses

	District Standard	State Standard
	Advanced 7th English/Language Arts	
	Reading	
7.READA.1	Cite key ideas and details from a text in order to make logical inferences relating to central ideas (themes), the development of individuals, and events	English Language Arts 7.RL.1 – 7.RL.3, 7.RI.1 – 7.RI.3
7.READA.2	Analyze and interpret words, phrases, and structure to gain a technical, rhetorical, and stylistic understanding of a text and how it conveys meaning.	English Language Arts 7.RL.4 – 7.RL.6, 7.RI.4 – 7.RI.6, Pre-AP Standards
7.READA.3	Integrate knowledge and ideas presented in diverse formats of media, including words, in the evaluation and comparative analysis of textual themes, topics, and evidence	English Language Arts 7.RL.7 – 7.RL.9, 7.RI.7 – 7.RI.9
7.READA.4	Read and comprehend complex literary and informational texts independently and proficiently	English Language Arts 7.RL.10, 7.RI.10
7.READA.5	Apply literary archetype to literary text	Pre-AP Standards
	Writing	
7.WRTA.1	Write argumentative, informative, and narrative texts that convey relevant,	English Language Arts 7.W.1 – 7.W.3, Pre-AP

	complex, and organized ideas for the sake of effective and well-structured conveyance of content based on readings, research, and/or personal experience.	Standards
7.WRTA.2	Use technological and traditional approaches over extended (research, reflection, revision) and shorter (1-2 class periods) time frames to produce, develop, and strengthen clear and coherent, purposeful writing for a range of tasks, purposes, and audiences.	English Language Arts 7.W.4 – 7.W.6, 7.W.10
7.WRTA.3	Conduct both short and sustained research projects, gathering and citing credible information from multiple print and digital sources in order to support the analysis and reflection of focused research questions	English Language Arts 7.W.7 – 7.W.9
7.WRTA.5	Interpret samples of good writing, identifying and explaining an author's use of rhetorical strategies and techniques	Pre-AP Standards
	Language	
	Students will be able to integrate the Language Progressive Skills, as described in the South Dakota English Language Arts Standards, in the following core areas:	English Language Arts L.7.1c, L.7.3a
7.LNGA.1	Demonstrate command of the conventions of Standard English grammar, usage, capitalization, punctuation, and spelling	English Language Arts 7.L.1 – 7.L.2
7.LNGA.2	Apply knowledge of language to understand how language functions in different contexts, and to comprehend more fully when reading or listening	English Language Arts 7.L.3
7.LNGA.3	Demonstrate the ability to both determine and understand word meaning, relationships, and phrases for reading, writing, speaking, and listening	English Language Arts 7.L.4 – 7.L.6
	Speaking and Listening	
7.SLA.1	Prepare for, participate in, and evaluate a range of conversations and collaborations with diverse partners presented in a variety of media and formats	English Language Arts 7.SL.1 – 7.SL.3

7.SLA.2	Adapt speech to a variety of contexts, formats, media, and communicative tasks, demonstrating full command of formal English towards the ability to present, express, and understand information	English Language Arts 7.SL.4 – 7.SL.6
7.SLA.3	Control tone, establish and maintain voice, achieve appropriate emphasis through diction and sentence structure	Pre-AP Standards
	Adv. Grade 7 Social Studies	
	Geography	
7.GEOA.1	Analyze and Interpret geospatial resources, such as maps	Social Studies 7.G.1.1 – 7.G.1.2
7.GEOA.2	Understand the nature and importance of the Five Themes of Geography: location, place, human-environment interaction, movement, and region	Social Studies 7.G.2.1 – 7.G.2.3; OSEU1
7.GEOA.3	Recognize the characteristics of the processes that shape places and regions	Social Studies 7.G.3.1 – 7.G.3.3; 7.G.4.1 – 7.G.4.2
7.GEOA.5	Recognize and explain the role geography, population and culture play in creating diversity within the world's places and regions, past, present, and future.	Social Studies 7.G.5.1 – 7.G.5.3; 7.G.6.1 – 7.G.6.2; 7.G.7.1 – 7.G.7.3
	Economics	
7.ECONA.1	Understand how various economic systems allocate and use resources	Social Studies 7.E.4.1 – 7.E.4.4
7.ECONA.2	Analyze the ways government can impact the market	Social Studies 7.E.3.1

	Civics/Government	
7.CGA.1	Understand the historical and philosophical basis for various forms of government	Social Studies 8.C.1.1 – 8.C.1.3
	World History	
7.WHA.1	Use multiple sources to analyze and evaluate the order, connections, and impact of people, events, ideas and symbols from multiple perspectives and disciplines	Social Studies *9-12.H.1.2; 9-12.H.2.1 – 9-12.H.2.5, 9-12.H.3.1 – 9-12.H.3.2, Pre-AP Standards*
7.WHA.2	Identify and evaluate the causes and effects of past, current, and potential future events, issues, people, and problems	Social Studies 8.H.2.1 – 8.H.2.5, 8.H.3.1 – 8.H.3.4, 8.H.4.1 – 8.H.4.11, *9-12.H.4.1 – 9-12.H.4.4, Pre-AP Standards*
7.WHA.3	Analyze how major events are chronologically connected and evaluate their impact on one another	Social Studies 8.H.1.1 – 8.H.1.6
7.WHA.4	Develop historical research skills with respect to U.S. and World History	Social Studies 8.H.5.1 – 8.H.5.3, 9-12.H.5.1 – 9-12.H.5.3
	Pre-AP	
7.SSAP.1	Develop coherent written arguments that have a thesis supported by relevant historical evidence	Pre-AP Standards
	Advanced 7th Grade Science	
	Students will be able to apply, communicate, practice, and relate science and engineering practices, engineering design standards, and crosscutting concepts, as described by the South Dakota Science Standards, in the following core areas:	Science SEP 1 – SEP 8, 6-8-ETS1-1 – 6-8-ETS1-4, CCC: Patterns, Cause/Effect, Scale/Proportion, Systems, Energy/Matter, Structure/Function, Stability/Change, Technology
	Earth and Space Science	
7.ESSA.1	Geologic Time "Analyze and interpret data on the age of the Earth and its diversity of life"	Science MS-ESS2-2, MS-ESS-3, LS4-1
7.ESSA.2	Solar System "Compile discoveries of our solar system to describe its implications for Earth"	Science MS-ESS1-1, MS-ESS1-2, MS-ESS1-3

	Life Science	
7.LSA.1	Identify the structure and function of each organ system in animals	Science MS-LS1-3
7.LSA.2	Infer evolutionary relationships of organisms using fossil evidence	Science MS-LS4-2
	Physical Science	
7.PSA.1	Newton's Laws of Motion	Science MS-PS2-1, MS-PS2-2
7.PSA.2	Determine factors that effect strength of electric, magnetic and gravitational forces.	Science MS-PS2-3, MS-PS2-4, MS-PS2-5
	Pre-AP	
7.SCAP.1	Utilize skepticism, logic, and professional ethics in science	Pre-AP Standards
7.SCAP.2	Formulate appropriate questions to test understanding of natural phenomena	Pre-AP Standards
	Laboratory Safety and Skills	
7.LSAFE.1	Develop and practice age-appropriate laboratory safety knowledge, procedures, and skills.	Science and Engineering Practices
	Adv. 7th Math	
	Expressions and Equations	
7.MEEA.1	Know that there are non-rational numbers and approximate them with rational numbers	8.NS.1, 2
7.MEEA.2	Use mixed fractions to solve real-world problems	8.EE.2
7.MEEA.3	Convert between fractions, decimals, and percent.	8.NS.1
7.MEEA.4	Use multiple representations to develop an understanding of exponents, roots, and scientific notations.	8.EE.3-8.EE.4
7.MEEA.5	Write, solve, and justify algebraic and graphical models and linear equations from a variety of physical, numeric, and verbal descriptions	8.EE.5, 8.EE.B.5, 8.EE.B.6, 8.EE.C.7a,8.EE.C.7, 8.EE.C.8, 8.EE.C.8a, 8.EE.C.8c
	Geometry	
7.MGEOA.1	Complete transformations, analyze relationships, and solve problems that preserve congruence and similarity, as well as those that do not conserve congruence and similarity	8.G.A.1a-c, 8.G.A.4, 5

7.MGEOA.2	Apply the Pythagorean Theorem to solve problems	8.G.A.6,7,8
7.MGEOA.3	Find surface area, lateral area, and volume of solids and composite solids.	8.G.A.9
7.MGEOA.4	Model written descriptions of physical scenarios	8.G.A.5
7.MGEOA.5	Justify mathematical conclusions verbally and in writing using accurate and precise language.	8.G.B.6
	Functions	
7.FUNA.1	Define, evaluate and compare functions verbally, visually, and in writing	8.F.A.1, 2,3, Pre-AP Standards
7.FUNA.2	Represent functions in different ways, including graphical, algebraic, analytic, and verbal.	8.F.A.3,4,5; 6.F.B.4,5
	Statistics & Probability	
7.MSPA.1	Investigate patterns of association in bivariate data	8.SP.A.1, 2
7.MSPA.2	Create, interpret, and use graphs and tables to solve real-world statistics problems.	8.SP.A.2, 8.SP.A.3, 8.SP.A.4
7.MSPA.3	Develop an understanding of statistical terminology	Pre-AP Standards

8th Grade

	District Standard	State Standard
	Spanish	
8.SPN.1	Communicate effectively in more than one language for various purposes in multiple contexts.	World Language 1.1 – 1.3
8.SPN.2	Interact with respect and cultural competence in search of understanding our world.	World Language 2.1 – 2.2
8.SPN.3	Connect with other disciplines and acquire information and diverse perspectives through language.	World Language 3.1 – 3.2
8.SPN.4	Develop insight into the nature of language and culture to enhance linguistic and cultural competence.	World Language 4.1 – 4.2

8.SPN.5	Communicate and interact in the language with respect and cultural competence in both local and global communities.	World Language 5.1 – 5.2
	Health	
8.HE.1	Comprehend concepts related to health promotion and disease prevention to enhance health	Health Education 1.8.1 – 1.8.7; 2.8.1-2.8.9; 3.8.1-3.8.4; 4.8.1-4.8.4; 5.8.1-5.8.5; 6.8.1-6.8.4
8.HE.2	Demonstrate and analyze the influence of self, family, peers, culture, media, technology, and other factors on health behaviors	Health Education 2.8.1 – 2.8.9; 3.8.1 – 3.8.4; 4.8.1 – 4.8.4; 8.8.1 – 8.8.4
8.HE.5	Demonstrate the ability to use decision-making skills, goal setting, and risk reducing behavior to enhance health	Health Education 5.8.1 – 5.8.5; 6.8.1 – 6.8.4; 7.8.1 – 7.8.3
	Physical Education	
8.PE.1	While exhibiting full effort and participation, learner will demonstrate proficiency and apply knowledge in a variety of motor skills, concepts, strategies, performance, and movement patterns	PE S1.M1.8 – S1.M24.8; S2.M1.8 – S2.M14.8
8.PE.3	While exhibiting full effort and participation, learner will demonstrate the knowledge and skill to achieve and maintain a health-enhancing level of physical activity and fitness	PE S3.M1.8 – S3.M18.8
8.PE.4	Recognizes and exhibits responsible physical and social behavior that respects self, others, and environment, and utilizes physical activity to facilitate this process.	PE S4.M1.8 – S4.M7.8; S5.M1.8 – S5.M6.8
	Social Studies	
	U.S. History	
8.USH.1	Analyze how major events are chronologically connected and evaluate their impact on one another	Social Studies 8.H.1.1 – 8.H.1.6; OSEU6
8.USH.2	Analyze and evaluate the impact of people, events, ideas, and symbols upon history using multiple sources	Social Studies 8.H.2.1 – 8.H.2.5; OSEU2, OSEU4-5

8.USH.3	Analyze and evaluate historical events from multiple perspectives	Social Studies 8.H.3.1 – 8.H.3.4; OSEU3, OSEU7
8.USH.4	Identify and evaluate the causes and effects of past, current, and potential events, issues, and problems	Social Studies 8.H.4.1 – 8.H.4.11
8.USH.5	Develop historical research skills	Social Studies 8.H.5.1 – 8.H.5.3
	Civics/Government	
8.CG.1	Explain, compare and contrast, and analyze the historical principles and philosophical purposes of various forms of government	Social Studies 8.C.1.1 – 8.C.1.3
8.CG.2	Explain the historical impact of primary founding documents including but not limited to, the Declaration of Independence, the U.S. Constitution, the U.S. Bill of Rights, and subsequent amendments	Social Studies 8.H.2.2 – 8.H.2.3
8.CG.3	Explain how the Constitution organizes the government of the United States	Social Studies 8.C.3.1 – 8.C.3.3
8.CG.4	Understand the fundamental principles of America's democratic republic and the United States Constitution, and the inherent conflicts that may arise	Social Studies 8.C.4.1 – 8.C.4.3
8.CG.5	Understand the ways in which a citizen can use their basic rights to influence the decisions of the republic	Social Studies 8.C.5.1 – 8.C.5.2
8.CG.6	Describe the elements of how U.S. foreign policy is made and understand the challenges and influences of the United States Government	Social Studies 8.C.6.1
	Economics	
8.ECON.1	Analyze the ways government can impact the market	Social Studies 8.E.3.1
8.ECON.2	Explain how different economic systems coordinate and facilitate the exchange, production, distribution, and consumption of goods and services	Social Studies 8.E.4.1 – 8.E.4.3
	Current Events	
8.CE.1	Gain an understanding and appreciation for current events	Social Studies 8.H.4.6, 8.H.5.1 – 8.H.5.2
8.CE.2	Compare and contrast different types of media that provide the public with information on current events	Social Studies 8.H.5.3, 8.C.5.2

8.CE.3	Provides examples of how current events affect the everyday life of people, including how the reporting of these events allows for an interconnected world in real time	Social Studies 8.H.4.6, 8.H.5.2, 8.C.1.2, 8.C.5.1
	Computers	
8.CMP.1*	Use technology to research, locate, organize, evaluate, analyze, solve problems, and determine the relevancy and reliability of information in various aspects of life.	Technology 7.ET.RL.1.1 – 7.ET.RL.1.2, 7.ET.RL.2.1
8.CMP.2	Use technology to connect various aspects of life & solving problems.	Technology 7.ET.OC.1.1, 7.ET.OC.2.1, 7.ET.OC.3.1
8.CMP.3	Analyze the safe, ethical, legal, and societal issues related to technology	Technology 7.ET.DC.1.1 – 7.ET.DC.1.5
8.CMP.4	Gain a functional understanding of both past and present technologies in order to creatively optimize use of current technological systems, generate ideas, communicate, and collaborate with others.	Technology 7.ET.OC.1.1 – 7.ET.OC.1.2, 7.ET.OC.2.1, 7.ET.OC.3.1 – 7.ET.OC.3.6
8.CMP.5	Use technology to generate ideas and promote creativity.	Technology 7.ET.CI.1.1
8.CMP.6*	Use technology to communicate & collaborate purposefully with others.	Technology 7.ET.CC.1.1, 7.ET.CC.2.1
*	*Not graded in this course, and instead integrated into all courses.	
	Physical Science	
	Students will be able to apply, communicate, practice, and relate science and engineering practices, engineering design standards, and crosscutting concepts, as described by the South Dakota Science Standards, in the following core areas:	Science SEP 1 – SEP 8, 6-8-ETS1-1 – 6-8-ETS1-4, CCC: Patterns, Cause/Effect, Scale/Proportion, Systems, Energy/Matter, Structure/Function, Stability/Change, Technology
	Matter and its interactions	
8.MI.1	Structure and properties of matter	Science MS-PS1-1 – MS-PS1-4
8.MI.2	The Periodic Table of Elements	Science MS-PS1-1, MS-PS1-3, MS-PS1-4
8.MI.3	Chemical reactions	Science MS-PS-1-2 – MS-PS1-3, MS-PS1-5 – MS-PS1-6

	Motion and stability: Forces and interactions	
8.MSF.1	Forces and motion	Science MS-PS2-1 – MS-PS2-2
8.MSF.2	Types of interactions	Science MS-PS2-3, MS-PS2-4 – MS-PS2-5
	Energy	
8.EGY.1	Definition of energy	Science MS-PS1-4, MS-PS3-1 – MS-PS3-4
8.EGY.2	Conservation of energy and energy transfer	Science MS-PS3-3 – MS-PS3-5
8.EGY.3	Relationship between energy and forces	Science MS-PS3-2
	Waves and their applications in technologies for information transfer	
8.WVA.1	Properties and Applications of Waves	Science MS-PS4-1 – MS-PS4-2, *HS-PS4-1 – HS-PS4-5*
	Laboratory Safety and Skills	
8.LSAFE.1	Develop and practice age-appropriate laboratory safety knowledge, procedures, and skills.	Science and Engineering Practices
	General Music/Music Enrichment	
8.GM.1	Generate, develop, and refine musical ideas and work	Fine Arts 6-8.MUg.Cr.1.1a, 6-8.MUg.Cr.2.1a – 6-8.MUg.Cr.2.1b, 6-8.MUg.Cr.3.1a – 6-8.MUg.Cr.3.1b, 6-8.MUg.Cr.3.2a
8.GM.2	Develop and refine artistic ideas and work for presentation	Fine Arts 6-8.MUg.Pr.4.1a, 6-8.MUg.Pr.4.2a – 6-8.MUg.Pr.4.2c, 6-8.MUg.Pr.4.3a, 6-8.MUg.Pr.5.1a, 6-8.MUg.Pr.6.1a – 6-8.MUg.Pr.6.1b
8.GM.3	Identify, analyze, and interpret or reflect upon select musical works as they relate to societal, historical, cultural, and personal context to deepen understanding	Fine Arts 6-8.MUg.Re.7.1a, 6-8.MUg.Re.7.2a – 6-8.MUg.Re.7.2b, 6-8.MUg.Re.9.1a, 6-8.MUg.Cn.11.1a
8.GM.4	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUg.Re.8.1a, 6-8.MUg.Cn.10.1a

	Band	
8.BND.1	Organize, develop, and refine artistic ideas and work for presentation	Fine Arts 6-8.MUe.Cr.1.1a, 6-8.MUe.Cr.2.1a, 6-8.MUe.Cr.3.1a, 6-8.MUe.Cr.3.2a, 6-8.MUe.Pr.5.1a
8.BND.2	Identify, analyze, and interpret or reflect upon select works as they relate to societal, historical, cultural, and personal context to gain a deeper understanding of music	Fine Arts 6-8.MUe.Pr.4.1a, 6-8.MUe.Pr.4.2a – 6-8.MUe.Pr.4.2b, 6-8.MUe.Pr.4.3a, 6-8.MUe.Re.7.1a, 6-8.MUe.Re.7.2a – 6-8.MUe.Re.7.2b, 6-8.MUe.Re.9.1a, 6-8.MUe.Cn.10.1a, 6-8.MUe.Cn.11.1a
8.BND.3	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUe.Pr.6.1a – 6-8.MUg.Pr.6.1b, 6-8.MUe.Re.8.1a
	Choir	
8.CHR.1	Organize, develop, and refine artistic ideas and work for presentation	Fine Arts 6-8.MUe.Cr.1.1a, 6-8.MUe.Cr.2.1a, 6-8.MUe.Cr.3.1a, 6-8.MUe.Cr.3.2a, 6-8.MUe.Pr.5.1a
8.CHR.2	Identify, analyze, and interpret or reflect upon select works as they relate to societal, historical, cultural, and personal context to gain a deeper understanding of music	Fine Arts 6-8.MUe.Pr.4.1a, 6-8.MUe.Pr.4.2a – 6-8.MUe.Pr.4.2b, 6-8.MUe.Pr.4.3a, 6-8.MUe.Re.7.1a, 6-8.MUe.Re.7.2a – 6-8.MUe.Re.7.2b, 6-8.MUe.Re.9.1a, 6-8.MUe.Cn.10.1a, 6-8.MUe.Cn.11.1a
8.CHR.3	Convey and interpret intent and meaning through the presentation of musical work	Fine Arts 6-8.MUe.Pr.6.1a – 6-8.MUg.Pr.6.1b, 6-8.MUe.Re.8.1a

	Art	
8.ART.1	Conceptualize, organize, and develop artistic ideas and work	Fine Arts 6-8.VA.Cr.1.1 – 6-8.VA.Cr.1.2, 6-8.VA.Cr.2.1 – 6-8.VA.Cr.2.4
8.ART.2	Refine and complete artistic work	Fine Arts 6-8.VA.Cr.3.1
8.ART.3	Identify, analyze, interpret, and evaluate artistic works	Fine Arts 6-8.VA.Pr.4.1, 6-8.VA.Re.7.1 – 6-8.VA.Re.7.2, 6-8.VA.Re.8.1, 6-8.VA.Re.9.1
8.ART.4	Relate societal, historical, cultural, and personal experience and knowledge to gain a deeper understanding of art	Fine Arts 6-8.VA.Cn.10.1, 6-8.VA.Cn.11.1
	English/Language Arts	
	Reading	
8.READ.1	Cite key ideas and details from a text in order to make logical inferences relating to central ideas (themes), the development of individuals, and events	English Language Arts 8.RL.1 – 8.RL.3, 8.RI.1 – 8.RI.3
8.READ.2	Analyze and interpret words, phrases, and structure to gain both a technical and stylistic understanding of a text	English Language Arts 8.RL.4 – 8.RL.6, 8.RI.4 – 8.RI.6
8.READ.3	Integrate knowledge and ideas presented in diverse formats of media, including words, in the evaluation and comparative analysis of textual themes, topics, and evidence	English Language Arts 8.RL.7 – 8.RL.9, 8.RI.7 – 8.RI.9
8.READ.4	Read and comprehend complex literary and informational texts independently and proficiently	English Language Arts 8.RL.10, 8.RI.10
	Writing	
8.WRT.1	Write argumentative, informative, and narrative texts that convey relevant, complex, and organized ideas for the sake of effective and well-structured conveyance of content	English Language Arts 8.W.1 – 8.W.3
8.WRT.2	Use technological and traditional approaches over extended (research, reflection, revision) and shorter (1-2 class periods) time frames to produce, develop, and strengthen clear and coherent, purposeful writing for a range of tasks, purposes, and audiences.	English Language Arts 8.W.4 – 8.W.6, 8.W.10

8.WRT.3	Conduct both short and sustained research projects, gathering and citing credible information from multiple print and digital sources in order to support the analysis and reflection of focused research questions	English Language Arts 8.W.7 – 8.W.9
	Language	
	Students will be able to integrate the Language Progressive Skills, as described in the South Dakota English Language Arts Standards, in the following core areas:	English Language Arts L.3.1f, L.3.3a, L.4.1f, L.4.1g, L.4.3b, L.5.1d, L.5.2a, L.6.1c, L.6.1d, L.6.1e, L.6.2a, L.6.3a, L.6.3b, L.7.1c, L.7.3a, L.8.1d
8.LNG.1	Demonstrate command of the conventions of Standard English grammar, usage, capitalization, punctuation, and spelling	English Language Arts 8.L.1 – 8.L.2
8.LNG.2	Apply knowledge of language to understand how language functions in different contexts, and to comprehend more fully when reading or listening	English Language Arts 8.L.3
8.LNG.3	Demonstrate the ability to both determine and understand word meaning, relationships, and phrases for reading, writing, speaking, and listening	English Language Arts 8.L.4 – 8.L.6
	Speaking and Listening	
8.SL.1	Prepare for, participate in, and evaluate a range of conversations and collaborations with diverse partners presented in a variety of media and formats	English Language Arts 8.SL.1 – 8.SL.3
8.SL.2	Adapt speech to a variety of contexts, formats, media, and communicative tasks, demonstrating full command of formal English towards the ability to present, express, and understand information	English Language Arts 8.SL.4 – 8.SL.6
	Functions	
8.MFNC.1	Define, evaluate, and compare functions	Math 8.F.1 – 8.F.3

	Geometry	
8.MGEO.1	Apply transformations to prove figures are similar or congruent	Math 8.G.1 – 8.G.4
8.MGEO.2	Understand and apply angle properties of triangles and parallel lines	Math 8.G.5

8.MGEO.3	Understand and apply the Pythagorean Theorem	Math 8.G.6 – 8.G.8
8.MGEO.4	Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres	Math 8.G.9
	Statistics and Probability	
8.MSP.1	Use two-way frequency tables to represent and analyze bivariate data	Math 8.SP.4
8.MSP.2	Use linear models to describe and analyze bivariate data	Math 8.SP.1 – 8.SP.3
	FACS	MS CTE Human Services: Human Development, Healthy Lifestyles, Relationships, and Career Exploration; National FACS 2.5-2.6, 8.2-8.5
8.FACS.1	Understand basic cooking, nutrition, and wellness concepts	
8.FACS.2	Explore career opportunities to make informed career decisions	
8.FACS.3	Organize interest assessment results to explore career cluster options.	
8.FACS.4	Explore family and consumer science principles.	
	Tech Ed	
	Technology Education	
8.TE.1	Understand the scope and nature of technology, including problem solving, application, and the design process.	MS CTE STEM: Introduction to STEM
	Computer Science	
8.MR.1	Understand the various applications of computer science, including coding and robotics	MS CTE STEM: Mechanics/Robotics
	PLTW: App Creators	
8.PLTW.1	Analyze and develop solutions to authentic problems through mobile app development.	MS CTE STEM: Introduction to STEM; MS CTE Foundations of Technology
8.PLTW.2	Convey the positive impact of the application of computer science to other disciplines and to society.	MS CTE STEM: Introduction to STEM; MS CTE Foundations of Technology

8th Grade Advanced Courses

	Course Standard	State Standards Being Assessed
	Advanced 8th English/Language Arts	
	Reading	
8.READA.1	Cite key ideas and details from a text in order to make logical inferences relating to central ideas (themes), the development of individuals, and events	English Language Arts 7.RL.1 – 7.RL.3, 7.RI.1 – 7.RI.3
8.READA.2	Analyze and interpret words, phrases, and structure to gain a technical, rhetorical, and stylistic understanding of a text	English Language Arts 7.RL.4 – 7.RL.6, 7.RI.4 – 7.RI.6, Pre-AP Standards
8.READA.3	Integrate knowledge and ideas presented in diverse formats of media, including words, in the evaluation and comparative analysis of textual themese, topics, and evidence	English Language Arts 7.RL.7 – 7.RL.9, 7.RI.7 – 7.RI.9
8.READA.4	Read and comprehend complex literary and informational texts independently and proficiently	English Language Arts 7.RL.10, 7.RI.10
	Writing	
8.WRTA.1	Write argumentative, informative, and narrative texts that convey relevant, complex, and organized ideas for the sake of effective and well-structured conveyance of content	English Language Arts 7.W.1 – 7.W.3
8.WRTA.2	Use technological and traditional approaches over extended (research, reflection, revision) and shorter (1-2 class periods) time frames to produce, develop, and strengthen clear and coherent, purposeful writing for a range of tasks, purposes, and audiences.	English Language Arts 8.W.4 – 8.W.6, 8.W.10, Pre-AP Standards

8.WRTA.3	Conduct both short and sustained research projects, gathering and citing credible information from multiple print and digital sources in order to support the analysis and reflection of focused research questions	English Language Arts 7.W.7 – 7.W.9
	Language	
	Students will be able to integrate the Language Progressive Skills, as described in the South Dakota English Language Arts Standards, in the following core areas:	English Language Arts L.7.1c, L.7.3a
8.LNGA.1	Demonstrate command of the conventions of Standard English grammar, usage, capitalization, punctuation, and spelling	English Language Arts 7.L.1 – 7.L.2
8.LNGA.2	Apply knowledge of language to understand how language functions in different contexts, and to comprehend more fully when reading or listening	English Language Arts 7.L.3
8.LNGA.3	Demonstrate the ability to determine, understand, and apply word meaning, relationships, and phrases for reading, writing, speaking, and listening	English Language Arts 7.L.4 – 7.L.6, Pre-AP Standards
	Speaking and Listening	
8.SLA.1	Prepare for, participate in, and evaluate a range of conversations and collaborations with diverse partners presented in a variety of media and formats	English Language Arts 7.SL.1 – 7.SL.3
8.SLA.2	Adapt speech to a variety of contexts, formats, media, and communicative tasks, demonstrating full command of formal English towards the ability to present, express, and understand information	English Language Arts 7.SL.4 – 7.SL.6
	Advanced Social Studies- Grade 8	
	U.S. History	
8.USHA.1	Analyze how major events are chronologically connected and evaluate their impact on one another	Social Studies 8.H.1.1 – 8.H.1.6; OSEU6

8.USHA.2	Use multiple sources and perspectives to analyze the cause, effect and/or impact of people, events, ideas and symbols	Social Studies 8.H.2.1 – 8.H.2.5, 8.H.3.1 – 8.H.3.4, 8.H.4.1 – 8.H.4.11, **OSEU2-OSEU5, OSEU7;** Pre-AP Standards
8.USHA.3	Develop historical research skills with respect to U.S. and World History	Social Studies 8.H.5.1 – 8.H.5.3, 9-12.H.5.1 – 9-12.H.5.3
	Civics/Government	
8.CGA.1	Analyze the historical and philosophical basis for various forms of government	Social Studies 8.C.1.1 – 8.C.1.3, *9-12.C.1.1-9-12.C.1.5*
8.CGA.2	Explain the impact of America's founding documents	Social Studies 8.H.2.2 – 8.H.2.3, *9-12.C.2.1-9-12.C.2.6*
8.CGA.4	Understand the fundamental principles of America's democratic republic and the United States Constitution, the organization of government, and the inherent conflicts that may arise	Social Studies 8.C.3.1 – 8.C.3.3, *9-12.C.3.1-9-12.C.3.5,* 8.C.4.1 – 8.C.4.3, *9-12.C.4.1-9-12.C.4.4*
8.CGA.5	Understand the ways in which a citizen can use their basic rights to influence the decisions of the republic	Social Studies 8.C.5.1 – 8.C.5.2, *9-12.C.5.1-9-12.C.5.9*
8.CGA.6	Understand how foreign policy is made and America's role in world affairs	Social Studies 8.C.6.1, 9-12.C.6.1, *9-12.C.6.1-9-12.C.6.2*
	World History	
8.WHA.1	Use multiple sources to analyze and evaluate the order, connections, and impact of people, events, ideas and symbols from multiple perspectives and disciplines	Social Studies *9-12.H.1.2; 9-12.H.2.1 – 9-12.H.2.5, 9-12.H.3.1 – 9-12.H.3.2, Pre-AP Standards*
8.WHA.2	Identify and evaluate the causes and effects of past, current, and potential events, issues, and problems	Social Studies *9-12.H.4.1 – 9-12.H.4.4, Pre-AP Standards*
	Pre-AP	
8.SSAP.1	Develop coherent written arguments that have a thesis, supported by relevant historical evidence.	Pre-AP Standards

	Advanced Physical Science	
	Students will be able to apply, communicate, practice, and relate science and engineering practices, engineering design standards, and crosscutting concepts, as described by the South Dakota Science Standards, in the following core areas:	Science SEP 1 – SEP 8, 6-8-ETS1-1 – 6-8-ETS1-4, CCC: Patterns, Cause/Effect, Scale/Proportion, Systems, Energy/Matter, Structure/Function, Stability/Change, Technology
	Matter and its interactions	
8.MIA.1A	Structure and properties of matter relating to atomic structure, trends in the periodic table, and chemical properties.	Science MS-PS1-1 – MS-PS1-4, *HS-PS1-1 – HS-PS1-2, HS-PS1-4*
8.MIA.1B	Recognize and predict periodic trends with regards to atomic structure and element reactivity.	MS-PS1-2, MS-PS1-3, *HS-PS1-1, HS-PS1-2, HS-PS1-4*
8.MIA.2	Categorize, balance, and describe chemical reactions.	MS-PS1-2, MS-PS1-6, *HS-PS1-2, HS-PS1-4, HS-PS1-7*
	Motion and stability: Forces and interactions	
8.MSFA.1	Define and develop models to describe energy in context, including energy conservation, transfer, and its relationship with forces.	Science MS-PS2-1–MS-PS2-3, MS-PS2-5, MS-PS3-1 – MS-PS3-5, *HS-PS3-2, HS-PS3-4*
	Energy	
8.EGYA.3	Describe energy in chemical processes, everyday life, and within the Laws of Thermodynamics.	Science *HS-PS3-4*
	Waves and their applications in technologies for information transfer	
8.WVA.1	Identify wave properties, including wavelength, frequency, reflection, absorption, transmission of electromagnetic radiation, and wave-particle duality	Science MS-PS4-1 – MS-PS4-2, *HS-PS4-1 – HS-PS4-5*
	Pre-AP	
8.SCAP.1	Design and conduct scientific investigations in which hypotheses are formulated and tested.	Pre-AP Standards
8.SCAP.2	Read technical and scientific articles to gain understanding of interpretations, apparatuses, techniques or procedures, and data.	Pre-AP Standards

8.SCAP.3	Reason about relationships between variables through the lens of rations, rates, and algebraic relationships to solve problems and interpret scientific situations.	Pre-AP Standards
	Laboratory Safety and Skills	
8.LSAFE.1	Develop and practice age-appropriate laboratory safety knowledge, procedures, and skills.	Science and Engineering Practices
	Adv. Algebra I	
	Equations and Expressions	
8.MEEA.1	Write forms of algebraic expressions	A.SSE.1-4
8.MEEA.2	Write, solve and interpret multi-step equations	A.APR.1-7; A.REI.1-12
8.MEEA.3	Identify, create, and interpret functions represented multiple ways (equations, graphs, written description, numerical, analytical)	F.IF.1-9; F.BF.1-5; F.LE.1-5; F.TF.1-9
8.MEEA.4	Model real world situations with linear equations and interpret their meaning	M.LE.2,5, A.REI.10,12, F.IF3,4,6,7,9, A.CED.1-3, A.REI.4, A.SSE.3
8.MEEA.5	Write, solve and interpret a system of linear equations	M.LE.2,5, A.REI.10,12, F.IF.3,4,6,7,9, A.CED.1-3, A.REI.4, A.SSE.3
8.MEEA.6	Write, solve and interpret a system of inequalities	A.REI.5-7, A.REI.11-12, A.CED.3
8.MEEA.7	Understand and apply exponential rules to simplify expressions involving exponents and radicals	F.IF.4-7, A.CED.2, F.LE.1-3, F.LE.5
8.MEEA.8	Add, subtract, multiply, divide and factor polynomial expressions	A.APR.1, A.SSE.2
8.MEEA.9	Identify, create, solve and interpret quadratic equations represented multiple ways	F.IF.4,5,7,9, F.BF.3, A CED.1-3, A. REI.4, A.SSE.3
8.MEEA.10	Model real world situations with quadratic equations and interpret their meaning	F.IF.4,5,7,9, F.BF.3, A CED.1-3, A. REI.4, A.SSE.3
	Statistics and Probability	
8.MSPA.1	Analyze univariate data using appropriate measures of center, variability, and patterns	M.LE.2,5, A.REI.10,12, F.IF.3,4,6,7,9, A.CED.1-3, A.REI.4, A.SSE.3

8.MSPA.2	Describe and analyze relationships and patterns in bivariate data using linear models	M.LE .2,5, A.REI.10,12, F.IF.3,4,6,7,9, A.CED.1-3, A.REI.4, A.SSE.3
8.MSPA.3	Develop an understanding of statistical terminology.	Pre-AP
	Adv. Geometry	
	Theorems, Transformations, and Constructions	
8.TTCA.1	Understand geometric terminology and notation and use it to analyze angle and segment relationships.	HSG-CO.A.1, HSG-GPE.B.6
8.TTCA.2	Prove theorems about lines and angles (vertical angles, transversal angles, perpendicular bisectors, parallel lines, and perpendicular lines)	HSG-CO.C.9, HSG-GPE.B.5
8.TTCA.3	Apply knowledge of transformations to prove figures are congruent.	HSG-CO.A.2-6
8.TTCA.4	Prove and apply theorems about geometric relationships involving triangles (including the congruence criteria for triangles)	HSG-CO.B.7-8, HSG-CO.C.10, XHSG-SRT.B.5
8.TTCA.5	Make formal geometric constructions with a variety of tools and methods.	HSG-CO.D.12
8.TTCA.6	Prove and apply theorems about quadrilaterals.	HSG-CO.C.11
8.TTCA.7	Understand and apply transformations to analyze and solve relationships in similar figures.	HSG-CO.A.2, HSG-SRT.A.1-5
	Geometric Analysis	
8.GAA.1	Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems.	HSG-SRT.C.8
8.GAA.2	Understand and apply theorems about circles to create proofs and solve problems.	Pre-AP
8.GAA.3	Find perimeters and areas of composite figures and regular polygons.	Pre-AP
8.GAA.4	Find surface areas and volumes of prisms, cylinders and cones, and apply them to solve design problems.	Pre-AP
	Statistics and Probability	
8.MSPA.4	Calculate and analyze probabilities, events, permutations, and combinations.	HSS-CP.A.1; HSS-CP.A.2-5; HSS-CP.A.6; HSS-CP.B.6-9; HSS-MD.B.6-7

	Pre-AP	
8.MAAP.1	Use technology to help solve problems and support conclusions	Pre-AP
8.MAAP.2	Determine the reasonableness of solutions including size and relative accuracy	Pre-AP
	Advanced Algebra II	
	Students will be able to integrate the Standards for Mathematical Practice, as described in the South Dakota Mathematics Standards, in the following core areas:	SMP1 – SMP8
	Functions, Equations, and Inequalities	Math A.CED.1 – A.CED.4, F.IF.4 – F.IF.7, F.IF.9, F.BF.3, BF.A.1, BF.A.2, A.REI.11
8.FEIA.1	Systems of equations and inequalities	
8.FEIA.2	Composition and use of various functions	
8.FEIA.3	Model real-world situations using one- and two-variable equations	
	Exponential & Logarithmic Functions	Math BF.A.1, BF.A.2, F.IF.4 – F.IF.7, F.IF.9, F.BF.3, F.BF.4, F.LE.4, A.CED.1 – A.CED.3
8.ELFA.1	Arithmetic and geometric sequences	
8.ELFA.2	Identifying common differences and common ratios	
8.ELFA.3	Make connections between multiple ways to represent mathematical information: verbally, algebraically, and graphically	
	Quadratics & Polynomials	Math N.CN.1, N.CN.2, N.CN.7, N.CN.8, A.SSE.1, A.SSE.2, A.CED.1, A.CED.2, F.BF.3, F.IF.4, F.IF.5, F.IF.7, F.IF.8, A.APR.1 – A.APR.3, A.APR.6, CN.C.9
8.QPA.1	Polynomial functions and operations	
8.QPA.2	Polynomial graphs, expansion, and theorems	
	Radical & Rational Functions	Math F.IF.4, F.IF.5, F.IF.7, F.BF.3, A. APR.6, A.APR.7, A.SSE.1, A.SSE.2, A.CED.2

8.RRFA.1	Factoring polynomials
8.RRFA.2	Graphing polynomial functions