Seventh Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Reading/Speaking/Listening Priority Standards

- Read closely and comprehend grade level text. (7.RL/RI.1)
- Determine theme and central idea. (7.RL/RI.2)
- Analyze specific elements of a text. (7.RL.3)
- Determine an author's purpose and point of view. (7.RL/RI.6)
- Evaluate arguments and claims in a text. (7.RI.8)

Writing Priority Standards

- Write arguments to support claims. (7.W.1)
- Write informative texts. (7.W.2)
- Gather relevant information from multiple sources. (7.W.8)
- Produce and explain components of compound sentences. (7.L.1)
- Acquire and accurately use grade appropriate vocabulary. (7.L.6)

Math Priority Standards

- Use properties of operations (factoring, distributive property, combining like terms) to generate equivalent expressions. (7.EE.1-2)
- Solve simple equations and inequalities using numerical and algebraic expressions and equations. (7.EE.3-4)
- Analyze proportional relationships and unit rates and use them to solve problems. (7.RP.1-3)
- Apply and extend previous understanding of operations with fractions to add, subtract, multiply and divide rational numbers. (7.NS.1-2)
- Use facts about supplementary, complementary, vertical, and adjacent angles to solve for unknowns. (7.G.5)
- Understand the probability of a chance event is a number from 0 through 1. (7.SP.5)

Grading and Assessments

- **STAR Reading**
- **STAR Math**
- **North Dakota State Assessment**

Grades will be assessed using:

A - 90-100%
B - 80-89%
C - 70-79%
D - 60-69%

Eighth Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Reading/Speaking/Listening Priority Standards

- Read closely to comprehend text. (8.RL/RI.1)
- Determine the development of a central idea throughout a text. (8.RL/RI.2)
- Analyze how elements of a text reveal aspects of a character. (8.RL.3)
- Determine the effect of figurative language in a text. (8.RL.4)
- Determine an author's point of view and consider conflicting evidence/viewpoints. (8.RL/RI.6)
- Evaluate an argument and recognize irrelevant evidence. (8.RI.8)

Writing Priority Standards

- Write arguments using clear reasons and relevant evidence. (8.W.1)
- Write informative texts. (8.W.2)
- Gather relevant information from multiple sources. (8.W.8)
- Rearrange complete, simple, and compound sentences (8.L.1)
- Acquire and accurately use grade appropriate vocabulary. (8.L.6)

Math Priority Standards

- Simplify and solve problems with radicals and integer exponents. (8.EE.1-4)
- Compare and graph proportional relationships represented in different ways. (8.EE.5)
- Analyze and solve equations and systems of linear equations. (8.EE.7-8)
- Define, evaluate, and compare functions. (8.F.1-3)
- Understand and apply the Pythagorean Theorem. (8.G.6-8)

Grading and Assessments

- **STAR Reading**
- **STAR Math**
- **North Dakota State Assessment**

Grades will be assessed using:

A - 90-100%
B - 80-89%
C - 70-79%
D - 60-69%

Ninth Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Reading/Speaking/Listening Priority Standards

- Read closely and comprehend grade level text. (RL/RI.1)
- Determine theme and central idea of a text. (RL/RI.2)
- Analyze how/why characters or individuals and events develop throughout a text. (RL/RI.3)
- Determine the effect of connotative and technical meanings in a text. (RL/RI.4)
- Evaluate arguments and access reasoning. (RI.8)

Writing/Language Priority Standards

- Write arguments using valid reasons and sufficient evidence. (W.1)
- Write informative text to convey complex ideas. (W.2)
- Gather relevant information from multiple authoritative sources. (W.8)
- Demonstrate proficiency in pronoun usage, phrases and clauses. (L.1)
- Acquire and use grade appropriate language. (L.6)

Algebra I Priority Standards

- Explain each step in solving an equation, justifying each step. (HS.A-REI.1)
- Solve linear equations and inequalities in one variable. (HS.A-REI.3)
- Use the structure of an expression to factor expressions. (HS.A-SSE.2-3)
- Solve quadratic equations. (HS.A-REI.4)
- Understand that a graph is an infinite series of solutions plotted in the coordinate plane. (HS.A-REI.10)
- Solve systems of linear equations. (HS.A-REI.6)
- Interpret rate of change and graph. (HS.F-IF.6)
- Create functions that describes a relationship between two quantities. (HS.F-BF.1)
- Understand statistics as a process for making decisions. (HS.S-IC.1)
- Use probabilities to make fair decisions. (HS.S-MD.6)

Grading and Assessments

- **STAR Math**
- **STAR Reading**

Grades will be assessed using:

A - 90-100%
B - 80-89%
C - 70-79%
D - 60-69%

Tenth Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Reading/Speaking/Listening Priority Standards

- Read closely and comprehend grade level text. (RL/RI.1)
- Determine theme and central idea of a text. (RL/RI.2)
- Analyze how/why characters or individuals and events develop throughout a text. (RL/RI.3)
- Determine the effect of connotative and technical meanings in a text. (RL/RI.4)
- Evaluate arguments and access reasoning. (RI.8)

Writing/Language Priority Standards

- Write arguments using valid reasons and sufficient evidence. (W.1)
- Write informative text to convey complex ideas. (W.2)
- Gather relevant information from multiple authoritative sources. (W.8)
- Demonstrate proficiency in pronoun usage, phrases and clauses. (L.1)
- Acquire and use grade appropriate language. (L.6)

Geometry Priority Standards

- Develop definitions of rotations, reflections, and translations. (HS.G-CO.4)
- Use geometric definitions of rigid motions to define congruence. (HS.G-CO.6)
- Show triangles are congruent, and that corresponding parts of congruent triangles are congruent. (HS.G-CO.7)
- Use trigonometric ratios and the Pythagorean Theorem to solve problems. (HS.G-SRT.8)
- Prove geometric theorems algebraically using coordinates. (HS.G-GPE.4)
- Derive arc length and sector area formulas using similarity. (HS.G-C.5)
- Derive formulas for area and volumes, and use them to solve problems. (HS.G-GMD.1-3)
- Use geometric concepts to model and solve problems. (HS.G-MG.1-3)

Grading and Assessments

- **STAR Math**
- **STAR Reading**
- **North Dakota State Assessment**

Grades will be assessed using:

A - 90-100%
B - 80-89%
C - 70-79%
D - 60-69%

Eleventh Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Reading/Speaking/Listening Priority Standards

- Read text closely for identifying or analyzing ambiguities (RL/RI.1)
- Determine theme and central idea of a text. (RL/RI.2)
- Explain how multiple characters, individuals, ideas, and events develop throughout a text. (RL/RI.3)
- Analyze the impact of word choice in a text. (RL/RI.4)
- Evaluate arguments and access reasoning. (RI.8)

Writing/Language Priority Standards

- Write arguments with appropriate rhetorical strategies. (W.1)
- Write informative text for a variety of purposes or audiences. (W.2)
- Gather relevant information from a balance of valid sources (W.8)
- Identify and use phrases and verb tense and voice. (L.1)
- Determine or clarify the meaning of unknown and multiple-meaning words and phrases. (L.4)

Algebra II Priority Standards

- Use matrices to represent and manipulate data. (HS.N-VM.6)
- Solve a system of linear equations using matrices. (HS.A-REI.8)
- Find the roots of polynomials using long division and factoring, and use solutions to sketch a graph of the function. (HS.A-APR.3)
- Comprehend the transformations of graphs. (HS.F-BF.3)
- Create and evaluate arithmetic and geometric sequences and series, and use them to model situations. (HS.F-BF.2)
- Understand situations that create linear functions and exponential functions, and construct corresponding graphs. (HS.F-LE.2-3)
- Understand basic properties of complex numbers. (HS.N-CN.1)

Grading and Assessments

- **STAR Math**
- **STAR Reading**
- **ACT**
- **ACT WorkKeys**

Grades will be assessed using:

A - 90-100%
B - 80-89%
C - 70-79%
D - 60-69%

Twelfth Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Reading/Speaking/Listening Priority Standards

- Read text closely for identifying or analyzing ambiguities (RL/RI.1)
- Determine theme and central idea of a text. (RL/RI.2)
- Explain how multiple characters, individuals, ideas, and events develop throughout a text. (RL/RI.3)
- Analyze the impact of word choice in a text. (RL/RI.4)
- Evaluate arguments and access reasoning. (RI.8)

Writing Priority Standards

- Write arguments with appropriate rhetorical strategies. (W.1)
- Write informative text for a variety of purposes or audiences. (W.2)
- Gather relevant information from a balance of valid sources (W.8)
- Identify and use phrases and verb tense and voice. (L.1)
- Determine or clarify the meaning of unknown and multiple-meaning words and phrases. (L.4)

Advanced Math Priority Standards

- Derive equations of circles, parabolas, ellipses, and hyperbolas. (HS.G-GPE.1-3)
- Use vectors to model and solve problems. (HS.N-VM.3)
- Use the unit circle in the coordinate plane to interpret trigonometric functions. (HS.F-TF.2)
- Model periodic phenomena with trigonometric functions. (HS.F-TF.5)
- Create and graph inverse trigonometric functions. (HS.F-TF.6)
- Use data to estimate expected value,and develop margin of error within surveys and polling. (HS.S-IC.4)
- Use stat distributions and standard deviations to estimate population percentages. (HS.S-ID.4)
- Calculate the expected value of a random variable and interpret the value in terms of context. (HS.S-MD.2

Grading and Assessments

- **STAR Math**
- **STAR Reading**

Grades will be assessed using:

A - 90-100%
B - 80-89%
C - 70-79%
D - 60-69%

Library and Technology 6 - 8

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Library and Technology Priority Standards

6-8 Students will:

- Select most appropriate library print, digital, and subscription resources from a known list. (6-8.IAI.3)
- Use basic search strategies with limiters to locate resources. (6-8.IAI.4)
- Evaluate information found within selected resources based on: accuracy, currency, reasonableness, appropriateness, credibility, and detail. (6-8.IAI.6)
- Modify and implement new search strategies based on information gaps. (6-8.IAI.7)
- Collaborate with others to exchange ideas and develop new understandings. (6-8.IAI.10)
- Adapt current knowledge to the learning of new technologies. (6-8.MTL.5)
- Create unique products and processes by selecting digital resources, tools, and formats for a real-world task. (6-8.MTL.7)
- Identify and respond to a variety of genres, formats, and authors of literature. (6-8.PLG.5)
- Read widely and fluently to make connections with self, the world, and previous learning. (6-8.PLG.6)
- Determine and select materials appropriate to personal abilities and interests. (6-8.PLG.9)
- Practice strategies to avoid plagiarism and discuss the personal consequences of plagiarizing the work of others. (6-8.RU.3)
- Comply with Acceptable Use Policies. (6-8.RU.5)
- Determine and use appropriate digital etiquette for a variety of situations. (6-8.RU.9)

Library and Technology 9 - 12

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Library and Technology Priority Standards

9-12 Students will:

- Select most appropriate library print, digital, and subscription resources from school, academic, and public libraries. (9-12.IAI.3)
- Use advanced and multiple search strategies to locate resources. (9-12.IAI.4)
- Evaluate information found within selected resources based on: accuracy, currency, reasonableness, appropriateness, credibility, and detail, support, and bias within different social and cultural contexts. (9-12.IAI.6)
- Devise new search strategies based on information gaps and new understanding. (9-12.IAI.7)
- Collaborate with others to exchange ideas, develop new understandings, make decisions, and solve problems. (9-12.IAI.10)
- Transfer current knowledge to the learning of new technologies. (9-12.MTL.5)
- Create original products and processes by selecting varied digital resources, tools, and formats for a real-world task. (9-12.MTL.7)
- Integrate a variety of genres, formats, and authors of literature into personal reading choices. (9-12.PLG.5)
- Read widely and fluently to make connections with self, the world, and previous learning. (9-12.PLG.6)
- Determine and select materials appropriate to personal abilities and interests. (9-12.PLG.9)
- Analyze and revise personal work to avoid plagiarism. (9-12.RU.3)
- Comply with Acceptable Use Policies. (9-12.RU.5)
- Use appropriate digital etiquette for a variety of situations. (9-12.RU.9)

Seventh Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Science	Social Studies
• Provide evidence that living things are unicellular or multicellular and may have different cell types. (MS-LS1-1) • Describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation. (MS-LS3-2) • Compare the embryological development across multiple species to identify relationships not evident in the fully formed anatomy. (MS-LS4-3) • Use data to model how the availability of resources affects organisms in an ecosystem. (MS-LS2-1) • Use data to reinforce that biological changes operate today as they did in the past. (MS-LS4-1) • Explain the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms. (MS-LS1-6) • Evaluate possible solutions for maintaining biodiversity and ecosystems. (MS-LS2-5) • Describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem. (MS-LS2-3)	

Eighth Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Science	Social Studies
• Describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons. (MS-ESS1-1) • Model the cycling of Earth's materials and the flow of energy that drives this process. (MS-ESS2-1) • Explain how geoscience processes have changed Earth's surface over time. (MS-ESS2-2) • Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of past plate motions. (MS-ESS2-3) • Describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates. (MS-ESS2-6) • Design a method for monitoring and minimizing a human impact on the environment. (MS-ESS3-3)	

Ninth Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Science (Physical Science)	Social Studies
• Create a mathematical model to calculate the change in the energy throughout a system. (HS-PS3-1) • Support the claim that atoms, and therefore mass, are conserved during a chemical reaction. (HS-PS1-7) • Describe characteristics of a simple chemical reaction based on the patterns of chemical properties. (HS-PS1-2) • Demonstrate relationships between frequency, wavelength, and speed of waves traveling in various media. (HS-PS4-1) • Analyze data to support the claim that Newton's second law of motion describes the mathematical relationship among the net force on an object, its mass, and its acceleration (F=ma). (HS-PS2-1)	

Tenth Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Science (Biology)	Social Studies
• Create a solution for reducing the impacts of human activities on the environment and biodiversity. (HS-LS2-7) • Analyze scientific information that common ancestry and biological evolution are supported by evidence. (HS-LS4-1) • Develop a model to illustrate the role of photosynthesis and cellular respiration in the cycling of carbon on Earth. (HS-LS2-5) • Support a claim that inheritable genetic variations result from various factors. (HS-LS3-2) • Construct an explanation based on evidence that the process of biological evolution primarily results from four factors. (HS-LS4-2) • Illustrate the hierarchy of interacting systems that provides specific functions within organisms. (HS-LS1-2)	

Eleventh Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Science (Chemistry)	Social Studies
• Predict and explain the outcome of a simple chemical reaction based on the patterns of chemical properties. (HS-PS1-2) • Use mathematical representations to support the claim that atoms and mass are conserved during a chemical reaction. (HS-PS1-7) • Evaluate the change in the energy of a system during a chemical reaction. (HS-PS3-1) • Explain how reaction rates can be affected by different variables. (HS-PS1-5)	

Twelfth Grade

OAKES PUBLIC SCHOOLS

Our Commitments

Genuine Relationships • Respect • Growth Mindset

Science (Physics and Advanced Biology)	Social Studies
• Support the claim that Newton's second law of motion describes the mathematical relationship between net force on an object, its mass, and its acceleration. (Physics HS-PS2-1) • Design, build, and refine a device that converts one form of energy into another form of energy. (Physics HS-PS3-3) • Use mathematical equations to show relationships among frequency, wavelength, and speed of waves. (Physics HS-PS4-1) • Demonstrate that an electric current can produce a magnetic field and vice versa. (Physics HS-PS2-5) • Provide evidence for how the structure of DNA and proteins influence the essential functions of life. (HS-LS1-1) • Model how the organization of interacting systems provide specific functions within multicellular organisms. (HS-LS1-2) • Investigate how feedback mechanisms maintain homeostasis in humans. (HS-LS1-3)	