Prioritized Curriculum Standards

6th Grade

MATH		
Content/Measurement Topic	NAD Standard (CCSSM)	
 Signed Numbers and Absolute Value 6.SNAV1 - Represent positive and negative numbers on a number line. 	6.NO.3 (6.NS.5,6,7,8)	
• 6.SNAV2 - Evaluate absolute values and represent them on a number line.	6.NO.3 (6.NS.5,6,7,8)	
 6.SNAV3 - Use positive and negative numbers and absolute values to describe real-world contexts. 	6.NO.3 (6.NS.5,6,7,8)	
Factors and Multiples • 6.FM1 - Find the prime factorization of a given number.	6.NO.2 (6.NS.4)(6.EE.1)	
6.FM2 - Find the greatest common factor and least common multiple of two whole numbers.	6.NO.2 (6.NS.4)(6.EE.1)	
 6.FM3 - Express a sum of two whole numbers that have a common factor as a multiple of a sum of two whole numbers that do not have a common factor. 	6.NO.2 (6.NS.4)(6.EE.1)	
 Long Division 6.LD1 - Use long division to solve problems with multi-digit whole-number dividends and divisors that have quotients without remainders. 	6.NO.1 (6.NS.2,3)	
6.LD2 - Use long division to solve problems with multi-digit whole-number dividends and divisors that have quotients with remainders.	6.NO.1 (6.NS.2,3)	
6.LD3 - Use long division to solve problems involving multi-digit decimal value dividends, divisors, and quotients.	6.NO.1 (6.NS.2,3)	
Fraction Division • 6.FD1 - Divide fractions by fractions using a model or diagram.	6.NO.4 (6.NS.1)	
6.FD2 - Divide fractions by fractions arithmetically.	6.NO.4 (6.NS.1)	
Evaluating Algebraic Expressions • 6.EAE1 - Evaluate algebraic expressions for a given value of the variable.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)	
6.EAE2 - Generate equivalent algebraic expressions.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)	
Ratios, Rates, and Percentages • 6.RRP1 - Calculate rates to solve problems involving equivalent ratios.	6.NO.5 (6.RP.1,2,3)	
6.RRP2 - Solve problems involving percentages.	6.NO.5 (6.RP.1,2,3)	

		
Algeb	raic Equations 6.AE1 - Solve one-step algebraic equations.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)
•	6.ALT - 301Ve one-step algebraic equations.	0.OAI.1 (0.LL.1,2,3,4,3,0,7,6)
•	6.AE2 - Write algebraic equations to represent real-world problems.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)
Inequ	alities	
•	6.11 - Solve one-step inequalities.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)
•	6.12 - Represent inequalities on a number line.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)
•	6.13 - Write inequalities to represent mathematical and real-world constraints and contexts.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)
Indep	endent and Dependent Variables 6.IDV1 - Identify independent and dependent variables and their	6.OAT.2 (6.EE.9)
	relationships.	
•	6.IDV2 - Write equations to represent the relationship between independent and dependent variables.	6.OAT.2 (6.EE.9)
Measu •	urement Conversions 6.MC1 - Convert between US customary and metric length measurement units.	6.MC.1
•	6.MC2 - Convert between US customary and metric weight measurement units.	6.MC.2
•	6.MC3 - Convert between US customary and metric capacity measurement units.	6.MC.3
•	6.MC4 - Convert temperatures between Fahrenheit and Celsius.	6.MC.4
Area a	and Volume	
•	6.AV1 - Calculate the area of polygons by decomposing them into rectangles and triangles.	6.GEO.1 (6.G.1,2,3,4)
•	6.AV2 - Calculate the surface area of polyhedra.	6.GEO.1 (6.G.1,2,3,4)
•	6.AV3 - Calculate the volume of right rectangular prisms with fractional edge lengths.	6.GEO.1 (6.G.1,2,3,4)
Coord	linate Plane	
•	6.CP1 - Plot points in all four quadrants of a coordinate plane.	6.NO.3 (6.NS.5,6,7,8)
•	6.CP2 - Calculate the distance between points that share a coordinate.	6.NO.3 (6.NS.5,6,7,8)
•	6.CP3 - Represent polygons on a coordinate plane by plotting and connecting their vertices.	6.NO.3 (6.NS.5,6,7,8)

Measures of Central Tendency	
6.MCT1 - Calculate the mean of a data set.	6.DSP.2 (6.SP.4,5)
6.MCT2 - Calculate the median of a data set.	6.DSP.2 (6.SP.4,5)
6.MCT3 - Calculate the mode of a data set.	6.DSP.2 (6.SP.4,5)
Measures of Variability	
6.MV1 - Calculate the interquartile range of a data set.	6.DSP.2 (6.SP.4,5)
6.MV2 - Calculate the mean absolute deviation of a data set.	6.DSP.2 (6.SP.4,5)
Displaying Distributions	
6.DD1 - Represent a given data set using a dot plot.	6.DSP.2 (6.SP.4,5)
6.DD2 - Represent a given data set using a histogram.	6.DSP.2 (6.SP.4,5)
6.DD3 - Represent a given data set using a box-and-whisker plot.	6.DSP.2 (6.SP.4,5)
Analyzina Distributions	
Analyzing Distributions6.AD1 - Describe the overall shape of a given data set.	6.DSP.1 (6.SP1.2,3)
6.AD2 - Choose the most appropriate measures of central tendency and variability to describe a given data set.	6.DSP.1 (6.SP1.2,3)
6.AD3 - Describe data gathered to answer a statistical question in terms of the context.	6.DSP.1 (6.SP1.2,3)

ELA	
Content/Measurement Topic	NAD Standard (CCSSELA)
Analyzing Text Organization and Structure	LA.6.RI.5 (RI.6.5)
6.ATOS2 - Explain how each line or stanza of a poem contributes to the overall organizational structure of the text	LA.6.RL.5 (RL.6.5)
Analyzing Ideas and Themes • 6.AIT1 - Explain how the main idea of a text is introduced and conveyed by specific details	LA.6.RL.1 (RL.6.1)
6.AIT2 - Explain how a theme is conveyed through specific details in a text	LA.6.RL.2 (RL.6.2)
6.AIT3 - Provide an objective summary of a text with supporting details	LA.6.RL.9
	LA.6.RI.2 (RI.6.2)
	LA.6.RI.3 (RI.6.3)

 Analyzing Claims, Evidence, and Reasoning 6.ACER1 - Describe the claims presented in a text 	LA.6.RI.1 (RI.6.1)
6.ACER2 - Distinguish claims that are supported by evidence and	LA.6.RI.8 (RI.6.8)
reasoning from claims that are not	LA.6.W.10 (W.6.9)
	LA.6.SL.3 (SL.6.3)
Analyzing Narratives	
6.AN1 - Explain how conflict is developed in a narrative text	LA.6.RL.3 (RL.6.3)
6.AN2 - Explain how a setting is developed in a narrative text	LA.6.RL.3 (RL.6.3)
6.AN3 - Explain how a character develops in response to a conflict in a narrative text	LA.6.RL.3 (RL.6.3)
Analyzing Point of View	
6.APV1 - Analyze an author's point of view on a specific issue in a text	LA.6.RL.6 (RL.6.6)
6.APV2 - Describe how the author develops a narrator's point of view in text	a LA.6.RI.6 (RI.6.6)
lext	LA.6.W.10 (W.6.9)
Comparing Texts	
6.CT1 - Compare how nonfiction texts from different genres or authors address the same events	LA.6.RL.7 (RL.6.7)
6.CT2 - Compare how fiction texts from different genres address similar themes or topics	LA.6.RL.8 (RL.6.9)
6.CT3 - Compare the experience of reading a text to listening or watching.	ng LA.6.RI.9 (RI.6.9)
an audio, live, or digital version of a text	LA.6.L.3 (L.6.3)
Analyzing Language	
6.AL1 - Determine denotative meanings of words and phrases using context, roots, affixes, or reference materials	LA.6.RL.4 (RL.6.4)
6.AL2 - Determine connotative meanings of words and phrases	LA.6.RI.4 (RI.6.4)
6.AL3 - Describe figurative language in a text	LA.6.L.4 (L.6.4)
	LA.6.L.5 (L.6.5)

 Generating Text Organization and Structure 6.GTOS1 - Introduce the main idea or argument of a text in a paragraph that engages readers' interest 	LA.6.W.1 (W.6.1)
6.GTOS2 - Use a provided text structure to organize writing	LA.6.SL.4 (SL.6.4)
6.GTOS3 - Use text features and formatting to organize and develop ideas	LA.6.SL.5 (SL.6.5)
6.GTOS4 - Provide a concluding paragraph that logically follows from the argument or information presented in a text	LA.6.W.1 (W.6.1)
Generating Claims, Evidence, and Reasoning • 6.GCER1 - Present well-defined claims with clear supporting reasons	LA.6.RL.1 (RL.6.1)
6.GCER2 - Support claims and reasons with evidence and concrete details	LA.6.RI.1 (RI.6.1)
	LA.6.SL.4 (SL.6.4)
Sources and Research • 6.SR1 - Gather information from digital and print sources to support a claim	LA.6.RI.7 (RI.6.7)
6.SR2 - Assess the credibility of sources	LA.6.RI.12
6.SR3 - Provide basic bibliographic information for sources	LA.6.W.8 (W.6.7)
	LA.6.W.9 (W.6.8)
	LA.6.SL.2 (SL.6.2)
Generating Narratives • 6.GN1 - Use relevant descriptions, dialogue, and sensory language to convey events, experiences, settings, and characters	LA.6.W.3 (W.6.3)
6.GN2 - Use transition words to signal shifts in time or setting	LA.6.W.3 (W.6.3)
Audience, Purpose, and Task • 6.APT1 - Develop writing for a specific purpose	LA.6.W.1 (W.6.1)
6.APT2 - Develop writing for a specific audience	LA.6.W.2 (W.6.2)
	LA.6.W.5 (W.6.4)
	LA.6.W.11 (W.6.10)
Revision • 6.R1 - Incorporate transitions to clarify relationships in a draft	LA.6.W.6 (W.6.5)
6.R2 - Incorporate domain-specific vocabulary and precise details in a draft	LA.6.L.3 (L.6.3)
6.R3 - Revise sentences in a draft so that they vary in length and complexity	LA.6.L.6 (L.6.6)

Parts o	f Speech 6.PS1 - Use pronouns that match their antecedents in number and person	LA.6.L.1 (L.6.1)
•	6.PS2 - Use pronouns in the correct case	LA.6.L.1 (L.6.1)
•	6.PS3 - Use reflexive and intensive pronouns	LA.6.L.1 (L.6.1)
Editing		
•	6.00E+01 - Edit for subject/verb and modifier agreement and inappropriate shifts in verb tense	LA.6.W.6 (W.6.5)
•	6.00E+02 - Edit for capitalization	LA.6.L.2 (L.6.2)
•	6.00E+03 - Edit for punctuation	LA.6.L.4 (L.6.4)
•	6.00E+04 - Edit for correct spelling	LA.6.L.6 (L.6.6)

SCIENCE	
Content/Measurement Topic	NAD Standards (NGSS)
Organism Needs • 6.ON2 - Explain how the digestion of food provides energy to organisms	S.6-8.LS.6 (MS-LS1-6)
	S.6-8.LS.7 (MS-LS1-7)
Organism Structure and Function • 6.OSF1 - Explain how the parts of a cell contribute to its function	S.6-8.LS.1 (MS-LS1-1)
	S.6-8.LS.2 (MS-LS1-2)
	S.6-8.LS.3 (MS-LS1-3)
Organism Behavior • 6.OB1 - Explain how organisms respond to stimuli	S.6-8.LS.8 (MS-LS1-8)
 Matter and Energy in Ecosystems 6.MEE1 - Explain how matter cycles and energy flows through the living and nonliving parts of an ecosystem 	S.6-8.LS.11 (MS-LS2-3)
and normally parts of an occasion	S.6-8.LS.13 (MS-LS2-5)
Organism Structure and Function	
6.OSF1 - Explain how the parts of a cell contribute to its function	S.6-8.LS.1 (MS-LS1-1)
6.OSF2 - Explain how the body is organized into specialized subsystems	S.6-8.LS.2 (MS-LS1-2)
	S.6-8.LS.3 (MS-LS1-3)

 Healthy Lifestyle Choices 6.HS4 - Construct an evidenced-based argument that demonstrates the importance of assuming responsibility for personal health behaviors 	S.6-8.HS.4
6.HS5 - Evaluate behaviors in relation to the degree to which they benefit or harm personal health and the health of others	S.6-8.HS.5
Health Promotion and Disease Prevention Health Resources • 6.HS3 - Gather and synthesize information to identify barriers to obtaining appropriate health care and to practicing healthy behaviors, and suggest ways to overcome these barriers	S.6-8.HS.3
6.HS7 - Conduct an investigation designed to assess the validity of health-related resources	S.6-8.HS.7
Healthy Lifestyle Choices • 6.HS9 - Plan and conduct an investigation that provides evidence that peers and perceptions of norms influence the health of adolescents	S.6-8.HS.9
6.HS10 - Construct a model that demonstrates how public health policies can influence health promotion and disease prevention	S.6-8.HS.10
Rock Cycle • 6.RC1 - Explain the rock cycle and the sources of energy that power it	S.6-8.ES.1 (MS-ESS2-1)
Earth Changes • 6.EC1 - Explain how geological processes change the Earth's surface at varying scales	S.6-8.ES.2 (MS-ESS2-2)
6.EC2 - Explain the past movement of tectonic plates	S.6-8.ES.3 (MS-ESS2-3)
Earth's History • 6.EH1 - Explain how the geologic time scale is used to organize Earth's history	S.6-8.ES.15 (MS-ESS1-4)
6.EH2 - Explain how the fossil record can be used to show how organisms have developed and changed throughout Earth's history	S.6-8.LS.16 (MS-LS4-1)
Natural Hazards • 6.NH1 - Explain how data on natural hazards can be used to develop technology that mitigates their effects	S.6-8.ES.8 (MS-ESS3-2)
Natural Resources • 6.NR1 - Explain how Earth processes create and unevenly distribute natural resources	S.6-8.ES.7 (MS-ESS3-1)
6.NR2 - Explain how human consumption of natural resources impacts Earth's systems	S.6-8.ES.10 (MS-ESS3-4)

Synthetic Materials	S.6-8.PS.3 (MS-PS1-3)
 6.SM2 - Explain how synthetic materials can be used for the benefit of society 	S.6-8.PS.3 (MS-PS1-3)
Electromagnetism	
6.EM1 - Explain factors that affect the size of an electric or magnetic for	rce S.6-8.PS.9 (MS-PS2-3)
6.EM2 - Explain how electric and magnetic fields can exert forces on objects, even when the objects are not in contact	S.6-8.ES.11 (MS-ESS3-5)
Circuits • 6.C1 - Explain how circuits produce electricity	S.6-8.PS.9 (MS-PS2-3)
• 0.C1 - Explain flow circuits produce electricity	3.0-0.F3.7 (IVI3-F32-3)
	S.6-9.PS.11 (MS-PS2-5)
Chemical Reactions	
 6.CR1 - Explain how atoms organize to create larger structures 	S.6-8.PS.1 (MS-PS1-1)
6.CR2 - Explain how chemical reactions change the properties of interacting substances.	S.6-8.PS.2 (MS-PS1-2)
interacting substances	S.6-8.PS.5 (MS-PS1-5)
	S.6-8.PS.6 (MS-PS1-6)
Experiment Design	
6.ED1 - Explain how to design a replicable experiment	S.6-8.ET.1 (MS-ETS1-1)
Solutions for Engineering Design Problems	
6.SEDP1 - Test possible solutions to engineering design problems	S.6-8.ET.2 (MS-ETS1-2)
6.SEDP2 - Evaluate possible solutions to engineering design problems	S.6-8.ET.3 (MS-ETS1-3)
6.SEDP3 - Revise possible solutions to engineering design problems	S.6-8.ET.4 (MS-ETS1-4)
Defining Engineering Design Problems A PERPIT Describe scientific principles that affect the criteria for an	C 4 0 FT 1 (MC FTC1 1)
 6.DEDP1 - Describe scientific principles that affect the criteria for an engineering design problem 	S.6-8.ET.1 (MS-ETS1-1)
 6.DEDP2 - Describe potential impacts on people and natural environme 	ents S.6-8.ET.1 (MS-ETS1-1)

US HISTORY CYCLE 2		
Content/Measurement Topic NAD Standard (NCSS)		
America in the Twenties • 6.AT1 - Explain changes in American cultural life in the 1920s	SS.5-8.TCC.1 (KM 2.1)	
 6.AT2 - Explain major social issues and conflicts in 1920s America 6.AT3 - Explain the emergence of a modern capitalist economy in 1920s 	SS.5–8.TCC.5 (KM 2.4)(PM 2.3) SS.5–8.TCC.6 (KM 2.5)(PM 2.1)	
America6.AT4 - Explain changes in American politics in the 1920s	2.1) SS.5–8.TCC.9 (KM 2.9)(PM 2.4)	
	SS.5-8.TCC.12 (KM 2.7)(PM 2.4)	
American West in the Late 19th Century • 6.AWLNC1 - Explain influences on the development of the American West during the second half of the 19th century	SS.5-8.TCC.1 (KM 2.1) SS.5-8.TCC.2 (KM 2.2)(PM 2.2)	
	SS.5–8.TCC.3 (KM 2.3) SS.5–8.TCC.4 SS.5–8.TCC.5 (KM 2.4)(PM 2.3)	
Civil Rights Movements • 8.CRM1 - Explain the development of the civil rights movement		
8.CRM2 - Explain the involvement of various groups in the civil rights movement		
8.CRM3 - Explain the development of the post-World War II women's movement		
Great Depression • 6.USGD1 - Explain influences on the beginning of the Great Depression	SS.5-8.C.7	
6.USGD2 - Explain the economic, social, cultural, and environmental impact of the Great Depression and Dust Bowl	SS.5-8.C.8 (KE 1.6)	

Historical Context	
6-8.HC1 - Explain past and present events and developments in the context of history	SS.5-8.TCC.1 (KM 2.1)
Context of history	SS.5–8.TCC.2 (KM 2.2)(PM 2.2)
	SS.5-8.TCC.3 (KM 2.3)
	SS.5–8.TCC.5 (KM 2.4)(PM 2.3)
	SS.5–8.TCC.6 (KM 2.5)(PM 2.1)
	SS.5–8.TCC.9 (KM 2.9)(PM 2.4)
Historical Contingency	
6-8.HCTN1 - Explain how history might have been different in the absence	SS.5-8.IDI.1 (KM 4.1)
of various factors, including specific individuals, ideas, decisions, events, and accidental or chance occurrences	SS.5–8.IDI.3 (KM 4.2)(PM 4.1)(PM 4.2)
	SS.5-8.IDI.11 (PM 4.6)
Historical Geography • 6-8.HG1 - Use historical maps to explain the relationship between historical	SS.5-8.PPE.10 (KM 3.4)
events and geography	33.3-0.11 E. 10 (KIVI 3.4)
3 3 1 3	SS.5-8.PPE.11 (KM 3.9)(PM 3.2)(PM 3.4)
Historical Interpretation	
6-8.HI1 - Evaluate the credibility and authenticity of historical sources	SS.5-8.TCC.2 (KM 2.2)(PM 2.2)
 6-8.HI2 - Evaluate the validity and credibility of different historical interpretations 	SS.5–8.TCC.3 (KM 2.3)
6-8.HI3 - Explain how historical accounts can change based on new newly uncovered information and new interpretations	SS.5–8.TCC.5 (KM 2.4)(PM 2.3)

Recon	struction	
•	6.R1 - Explain the social and political impact of Reconstruction	SS.K-4.PPE.1
		SS.K-4.PPE.7 (KM 3.8)(PM 3.5)
		SS.K-4.PPE.8 (KM 3.7)(PM 3.6)
		SS.K-4.PPE.11 (KM 3.9)(PM3.2)(PM 3.4)
US Ecc	nomy and Labor in the Late 19th Century 6.USELN1 - Explain economic development in the United States during the late 19th century	SS.5-8.PDC.4
•	6.USELN2 - Explain labor issues in the United States during the late 19th century	SS.5-8.PDC.5
		SS.5-8.PDC.8
US Ecc	nomy from the Late 20th Century to the Present 6-8.USEP1 - Explain changes in the workplace and the economy in late	SS.5-8.PDC.4
	20th- and early 21st-century America	SS.5-8.PDC.5
		SS.5–8.PDC.8
		SS.5-8.PDC.10
		SS.5-8.PDC.11
US Exp	ansionism 6.USE1 - Explain influences on US expansionist foreign policy in the late 19th century	SS.5-8.CIP.1
•	6.USE2 - Explain the causes and consequences of the Spanish-American War	SS.5-8.CIP.2
•	6.USE3 - Explain various US foreign policies in the early 20th century	SS.5–8.CIP.5 SS.5–8.CIP.7
US Foreign Policy from the Late 20th Century to the Present • 6.USFPP1 - Explain US foreign policy since the end of the Cold War		SS.5-8.GC.1
•	6.USFPP2 - Explain causes of terrorism and its influence on late 20th- and	SS.5-8.GC.6
	early 21st-century US foreign and domestic policy	SS.5-8.PAG.7
		SS.5-8.PPE.7 (KM 3.8)(PM 3.5)

US Involvement in World War I				
6.AWWI1 - Explain US entry into World War I	SS.5-8.PAG.4			
6.Avvvvii - Explain 03 entry into vvolid vvai i	33.5-6.FAG.4			
6.AWWI2 - Explain the domestic and international impact of US involvement in World War I	SS.5-8.PAG.5			
involvement in wond war i	SS.5-8.PAG.7			
US Involvement in World War II	<u> </u>			
6.AWWII1 - Explain developments leading to US involvement in World War II	SS.5-8.PAG.5			
6.AWWII2 - Explain significant aspects of US involvement in World War II	SS.5-8.PAG.6			
6.AWWII3 - Explain the impact and legacy of US involvement in World War II	SS.5–8.PAG.7			
US Politics in the Late 19th Century • 6.USPN1 - Explain the significance of major political issues and events in the	SS.5-8.CIP.2			
United States during the late 19th century	SS.5-8.CIP.5			
	SS.5-8.CIP.7			
	SS.5-8.CIP.9			
US Society and Culture from the Late 20th Century to the Present • 6.USSCP1 - Explain demographic shifts and immigration patterns in the late 20th- and early 21st-century United States and how they have affected social and political issues	SS.5-8.PPE.6 (KM 3.6)			
6.USSCP2 - Explain late 20th- and early 21st-century American cultural influences	SS.5-8.IGI.7			
in macrices	SS.5-8.C.8 (KE 1.6)			

US Soc	ciety and Culture in the Late 19th Century 6.USSCN1 - Explain issues associated with urban growth in the United States in the late 19th century	SS.5-8.C.2 (KM 1.2)(PM 1.1)
•	6.USSCN2 - Explain patterns of immigrant life in the United States during the late 19th century	SS.5-8.C.3
•	6.USSCN3 - Explain challenges facing minority groups in the United States during the late 19 th century	SS.5-8.C.4 (KM 1.4)(PM 1.5)
		SS.5-8.C.6 (KM 1.5)(PM 1.4)
		SS.5-8.C.7
		SS.5-8.C.8 (KE 1.6)
		SS.5-8.C.9 (KM 1.7)
		SS.5-8.C.10 (KM 1.8)(PM 1.6)