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)

6.AE2 - Write algebraic equations to represent real-world problems.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8) 6.OAT.1 (6.EE.1,2,3,4,5,6,7,8) 6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)
6.AE2 - Write algebraic equations to represent real-world problems.	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)
Inequalities	
	6.OAT.1 (6.EE.1,2,3,4,5,6,7,8)
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)
 Independent and Dependent Variables 6.IDV1 - Identify independent and dependent variables and their relationships. 	6.OAT.2 (6.EE.9)
6.IDV2 - Write equations to represent the relationship between independent and dependent variables.	6.OAT.2 (6.EE.9)
 Measurement 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 and Volume	
	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)
Coordinate 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)

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6.DSP.1 (6.SP1.2,3)
6.DSP.1 (6.SP1.2,3)
6.DSP.1 (6.SP1.2,3)

ELA	
Content/Measurement Topic	NAD Standard (CCSSELA)
 Analyzing Text Organization and Structure 6.ATOS1 - Explain how each major section of a text contributes to the overall organizational structure of the text 	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 reasoning from claims that are not 	LA.6.RI.8 (RI.6.8)
	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 a text 	LA.6.RI.6 (RI.6.6)
	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	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 of Speech 6.PS1 - Use pronouns that match their antecedents in number and parts of the second sec	Derson 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 inapp shifts in verb tense	ropriate 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)
	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	
 6.SM1 - Explain how natural resources can be used to create synthetic materials 	S.6-8.PS.3 (MS-PS1-3)
• 6.SM2 - Explain how synthetic materials can be used for the benefit of	S.6-8.PS.3 (MS-PS1-3)
society	
Electromagnetism	
• 6.EM1 - Explain factors that affect the size of an electric or magnetic force	S.6-8.PS.9 (MS-PS2-3)
6.EM2 - Explain how electric and magnetic fields can exert forces on	S.6-8.ES.11 (MS-ESS3-5)
objects, even when the objects are not in contact	
Circuits	
6.C1 - Explain how circuits produce electricity	S.6-8.PS.9 (MS-PS2-3)
	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)
	S.6-8.PS.5 (MS-PS1-5)
	S.6-8.PS.6 (MS-PS1-6)
 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	
6.DEDP1 - Describe scientific principles that affect the criteria for an	S.6-8.ET.1 (MS-ETS1-1)
engineering design problem	
• 6.DEDP2 - Describe potential impacts on people and natural environments	S.6-8.ET.1 (MS-ETS1-1)
that represent constraints for an engineering design problem	

WORLD HISTORY CYCLE 1	
Content/Measurement Topic	NAD Standard (NCSS)
 Ancient Egypt 6.AE1 - Explain significant influences on the development of ancient Egypt 	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
• 6.AE2 - Explain the significance of the major achievements of ancient Egyptian civilization	SS.5-8.C.3 (KM 1.3)(PM 1.2)
6.AE3 - Explain the relationship between the Kingdom of Kush and ancient Egypt	SS.5-8.TCC.12 (KM 2.7)(PM 2.4)
 Ancient Greece 6.AG1 - Describe characteristics of Mycenaean society and culture 	SS.5-8.C.3 (KM 1.3)(PM 1.2)
6.AG2 - Compare the development and characteristics of significant Greek city-states	SS.5-8.C.6 (KM 1.5)(PM 1.4)
• 6.AG3 - Explain the significance of art, science, literature, theatre, mythology, history, and philosophy in Classical Greek society	SS.5-8.TCC.8 (KM 2.6)
6.AG4 - Explain the legacy of Greek thought, culture, and government on later societies	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
6.AG5 - Explain the impact of Alexander the Great's conquests and the Hellenistic period on cultural exchange between the Mediterranean basin, Southwest Asia, and India	SS.5-8.IGI.10 (KM 5.8)(PM 4.3)
 Ancient Mesoamerican Civilizations 6.AMC1 - Explain how Olmec civilization influenced later Mesoamerican civilizations 	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
6.AMC2 - Explain the significance of the major achievements of the Maya	SS.5-8.C.3 (KM 1.3)(PM 1.2)
	SS.5-8.TCC.12 (KM 2.7)(PM 2.4)
 Ancient Rome 6.AR1 - Explain the significance of major achievements and characteristics of ancient Rome 	SS.5-8.TCC.12 (KM 2.7)(PM 2.4)
• 6.AR2 - Explain possible reasons for the decline of the Roman Empire	SS.5-8.TCC.6 (KM 2.5)(PM 2.1)
	SS.5-8.C.8 (KM 1.6)(PM 1.7)
 Byzantine Empire 6.BE1 - Explain how the Eastern Roman (Byzantine) Empire survived despite the fall of Rome 	SS.5-8.C.8 (KM 1.6)(PM 1.7)
• 6.BE2 - Explain the longevity of the Byzantine Empire	SS.5-8.TCC.6 (KM 2.5)(PM 2.1)
6.BE3 - Explain the role of the Byzantine Empire in preserving and transmitting ancient Greek learning and culture	

 Characteristics of Civilization 6.CC1 - Explain the relationship among the cultural, social, economic, political, and technological features of early civilizations 	SS.5-8.TCC.8 (KM 2.6)
 Classical and Medieval Japan 6.CMJ1 - Explain significant characteristics of classical Japanese society 	SS.5-8.TCC.8 (KM 2.6)
6.CMJ2 - Explain social and political developments in medieval Japan	SS.5-8.TCC.6 (KM 2.5)(PM 2.1)
 Early China 6.EC1 - Explain significant influences on the development of Chinese civilization 	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
6.EC2 - Explain the significance of major achievements and characteristics of early imperial China	SS.5-8.TCC.12 (KM 2.7)(PM 2.4)
• 6.EC3 - Explain possible reasons for the decline of the Han Empire	
 Early Empires 6.EE1 - Explain the development of large regional empires in Mesopotamia and Anatolia 	SS.5-8.TCC.8 (KM 2.6)
• 6.EE2 - Explain the foundation of Israel and the interactions with the surrounding empires	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
• 6.EE3 - Explain the achievements of the Achaemenid Empire	SS.5-8.TCC.12 (KM 2.7)(PM 2.4)
 Early Human Communities 6.EHC1 - Explain influences on the development of early human communities 	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
6.EHC2 - Explain the transition from hunter-gatherer communities to early agricultural societies	SS.5-8.TCC.6 (KM 2.5)(PM 2.1)
6-8.EHC3 - Compare significant features of pastoral and agrarian societies	
 Exchange 6.00E+01 - Explain how new ideas, techniques, technologies, and institutions spread from one region to another and the conditions under which people assimilated or rejected new ideas or adapted them to existing cultural traditions 	SS.5-8.C.6 (KM 1.5)(PM 1.4)
• 6.00E+02 - Explain patterns of commercial exchange among societies during a given era	SS.5-8.TCC.6 (KM 2.5)(PM 2.1)

 Indus Valley Civilization 6.IVC1 - Explain significant influences on the development of civilization in the Indus Valley 	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
6.IVC2 - Explain the significance of major achievements of the Indus Valley Civilization	SS.5-8.TCC.12 (KM 2.7)(PM 2.4)
6.IVC3 - Explain possible reasons for the decline of the Indus Valley Civilization	SS.5-8.C.8 (KM 1.6)(PM 1.7)
6.IVC4 - Explain the spread of Indo-Aryan peoples and culture into India	
Judaism and Early Christianity 6.JEC1 - Explain the development and spread of Judaism 	SS.5-8.PPE.6 (KM 3.6)
6.JEC2 - Explain the origins and characteristics of early Christianity	SS.5-8.TCC.8 (KM 2.6)
6.JEC3 - Explain how the development and spread of Christianity affected various regions	SS.5-8.TCC.8 (KM 2.6)
	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
	SS.5-8.C.4 (KM 1.4)(PM 1.5)
 Mesopotamia 6.MESO1 - Explain significant influences on the development of Mesopotamian civilization 	SS.5-8.TCC.12 (KM 2.7) (PM 2.4)
6.MESO2 - Explain the significance of major achievements of ancient Mesopotamia and its rulers	SS.5-8.TCC.12 (KM 2.7) (PM 2.4)
 Mongol Empire 6.MGLE1 - Explain significant characteristics and achievements of the Mongol Empire 	SS.5-8.TCC.12 (KM 2.7) (PM 2.4)
 Pre-Contact Americas 6.PCA1 - Compare the development and characteristics of various pre-contact Native American societies 	SS.5-8.TCC.9 (KM 2.9)(PM 2.4)
 6.PCA2 - Compare the development and characteristics of early Mesoamerican and Andean societies 	SS.5-8.TCC.6 (KM 2.5)(PM 2.1)
• 6.PCA3 - Compare significant features of the Inca and Aztec empires	SS.5-8.C.9 (KM 1.7)(PM 1.3)
	SS.5-8.PPE.5 (KM 3.5)
 Precolonial African Societies 6.PAS1 - Explain the development of precolonial societies in Central, Southern, and East Africa 	SS.5-8.TCC.8 (KM 2.6)
6.PAS2 - Explain the development of precolonial West African societies	SS.5-8.TCC.8 (KM 2.6)