

Program of Inquiry
Chronological Order 2014-2015
 Last revised January 21st

	1st Six Weeks ~Aug 4 – Sept 19	2nd Six Weeks ~Sept 22 – Oct 31	3rd Six Weeks ~Nov 3 – Dec 19	4th Six Weeks ~Jan 6 – Feb 12	5th Six Weeks ~Feb 18 – Mar 27	6th Six Weeks ~Mar 30 – May 22
K	<p>Theme: WHO WE ARE</p> <p>Central Idea: Understanding symbols helps define organization.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> - Meaning and importance of culture, citizenship and symbols -Elements of a non-fiction text -Early measurement and counting <p>Key Concepts: Form – What is it like? Related Concepts: Organization Symbols</p>	<p>Theme: HOW WE EXPRESS OURSELVES</p> <p>Central Idea: Exploration leads to the discovery of patterns.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Relationship between numbers and quantities -Effects of gravity on objects -Written expression through narrative writing -Observation and classification of time patterns <p>Key Concepts: Function – How does it work? Related Concepts: Exploration Patterns</p>	<p>Theme: HOW WE ORGANIZE OURSELVES</p> <p>Central Idea: Systems help structure communities.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Building and comparing numbers -Exploring the physical properties of objects -Our geographical location and geography tools -Identifying and comparing fictional story elements <p>Key Concepts: Connection –How is it connected to other things? Related Concepts: Systems Interconnectedness</p>	<p>Theme: HOW THE WORLD WORKS</p> <p>Central Idea: Our world is comprised of man-made and natural laws.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Further investigation of addition and subtraction -Physical attributes of rocks and soils -Investigation of different types of motion -Identifying, comparing and contrasting fiction and non-fiction texts <p>Key Concepts: Causation – Why is it like it is? Related Concepts: Classification</p>	<p>Theme: SHARING THE PLANET</p> <p>Central Idea: We compare communities through cause and effect relationships to build peace and conflict resolution.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Investigating addition and subtraction -Sorting and comparing living organisms and non-living objects -Identifying positive character traits in stories -Expressing opinions in writing <p>Key Concepts: Change – How is it changing? Reflection – How do we know? Related Concepts: Comparison Cause/Effect</p>	<p>Theme: WHERE WE ARE IN PLACE AND TIME</p> <p>Central Idea: Relationships are based on adding and subtracting.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Our Economy: goods, services, economic saving and spending -Editing and publishing using the writing process -Conceptual understanding of addition and subtraction <p>Key Concepts: Perspective – What are the points of view? Responsibility – What is our responsibility? Related Concepts: Relationships Cooperation</p>
1	<p>Theme: WHO WE ARE</p> <p>Central Idea: Relationships connect communities.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Physical features that make humans unique -Our geographical location in the world -Relationship between addition and subtraction -Connection between counting and operations <p>Key Concepts: Connection – How is it connected to other things? Related Concepts: Relationships Communities</p>	<p>Theme: HOW THE WORLD WORKS</p> <p>Central Idea: Patterns are comprised of systems.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Patterns of weather and climate -Different forms of water -Understanding the value of a number -Features of Earth’s surface <p>Key Concepts: Form – What is it like? Function – Why is it like it is? Related Concepts: Systems Patterns</p>	<p>Theme: WHERE WE ARE IN PLACE AND TIME</p> <p>Central Idea: Exploration leads to discoveries.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Contributions of historical heroes to society -Comparison of everyday life of past and present -Properties of addition and subtraction -Using clocks to tell and write time <p>Key Concepts: Change – How is it changing? Related Concepts: Exploration Discovery</p>	<p>Theme: HOW WE EXPRESS OURSELVES</p> <p>Central Idea: Structure allows us to showcase expression.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Appreciation of light and sound -Heritage of folktales and cultural music -Creating responses to literature using personal opinions -Expression of measurement <p>Key Concepts: Reflection – How do we know? Perspective – What are the points of view? Related Concepts: Structure Expression</p>	<p>Theme: SHARING THE PLANET</p> <p>Central Idea: Independence influences balanced relationships.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Basic needs of plants and animals -Contributions of historical heroes -Relationship between algebra and addition/subtraction -Attributes of shapes and their composition <p>Key Concepts: Responsibility – What is our responsibility? Causation – Why is it like it is? Related Concepts: Interdependence Balance</p>	<p>Theme: HOW WE ORGANIZE OURSELVES</p> <p>Central Idea: Connections may lead to or prevent conflict.</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> -Effects of magnets -Personal spending choices -Connection between producers and consumers -Value of money when added or subtracted <p>Key Concepts: Function – How does it work? Related Concepts: Connections Conflict</p>

Program of Inquiry
Chronological Order 2014-2015
 Last revised January 21st

2	<p align="center">Theme: WHO WE ARE</p> <p>Central Idea: Systems help balance communities. Inquiry into: -The role of place value in number sense -Real-world application of addition and subtraction -Government leaders and their responsibilities within our communities -The role of rules and laws in a community Key Concepts: Responsibility – What is our responsibility? Function – How does it work? Related Concepts: Roles Systems</p>	<p align="center">Theme: HOW WE EXPRESS OURSELVES</p> <p>Central Idea: Interaction influences structure. Inquiry into: -Relationship between the Sun, the Earth and the Moon -Physical attributes of stars -Comparison between Creek and Cherokee Native Americans to life today -Structure and function of data and graphs Key Concepts: Change – How is it changing? Connection – How is it connected to other things? Related Concepts: Structure Interaction</p>	<p align="center">Theme: WHERE WE ARE IN PLACE AND TIME</p> <p>Central Idea: Balance allows us to construct purposeful relationships. Inquiry into: -Influence of historical figures to our community -Changes in environment affect decisions -Relationship of addition and subtraction to length Key Concepts: Perspective – What are the points of view? Responsibility – What is our responsibility? Related Concepts: Balance Relationships</p>	<p align="center">Theme: HOW WE ORGANIZE OURSELVES</p> <p>Central Idea: It is our responsibility to identify and understand connections. Inquiry into: -Spending and saving based on informed economic decisions -Connections between the representations of money and how it is used in real life -Arrays as a representation of equal groups. Key Concepts: Reflection – How do we know? Related Concepts: Connection Responsibility</p>	<p align="center">Theme: HOW THE WORLD WORKS</p> <p>Central Idea: Through investigation, we better understand principles. Inquiry into: -Measurement and estimation of lengths in standard units -Representation and interpretation of data -Properties of matter and changes that occur in objects -Energy sources and how it is used -Identifying adjectives and adverbs and using them correctly in oral and written expression Key Concepts: Form – What is it like? Causation – Why is it like it is? Related Concepts: Properties Investigation</p>	<p align="center">Theme: SHARING THE PLANET</p> <p>Central Idea: Citizenship helps to determine personal and physical values. Inquiry into: -Life cycles are all around us -Cultures expressed and reflected in a group's traditions -Geometric figures compared to plane figures -Scientific inquiry and its importance Key Concepts: Form – What is it like? Causation – Why is it like it is? Related Concepts: Citizenship Values</p>
	<p align="center">3</p>	<p align="center">Theme: HOW WE ORGANIZE OURSELVES</p> <p>Central Idea: Relationships impact organizational decisions. Inquiry into: -Position of a digit in relation to its value -Connection between addition and subtraction -Historical heroes and their geographical and cultural impact Key Concepts: Perspective – What are the points of view? Related Concepts: Relationships Systems</p>	<p align="center">Theme: SHARING THE PLANET</p> <p>Central Idea: Taking responsibility helps maintain equilibrium. Inquiry into: -Relationship between multiplication and division -Various ways to represent whole-numbers using multiplication and division -Living things' habitat and survival adaptations -Human responsibility to maintain equilibrium in an ecosystem Key Concepts: Reflection – How do we know? Related Concepts: Equilibrium Responsibility</p>	<p align="center">Theme: WHERE WE ARE IN PLACE AND TIME</p> <p>Central Idea: Interconnectedness builds relationships. Inquiry into: -Interdependence in the marketplace -Fractional relationships of a part to a whole -The movement of heat particles and how it affects temperature -Geographical landforms and their effect on civilization Key Concepts: Connection – How is it connected to other things? Related Concepts: Interconnectedness Change</p>	<p align="center">Theme: HOW THE WORLD WORKS</p> <p>Central Idea: Structures transform as its purpose changes. Inquiry into: -The continuous change and composition of rocks and fossils -The types and purposes of soil -Structural models of area and perimeter -Measurement of liquids and mass for various purposes Key Concepts: Form – What is it like? Change – How is it changing? Related Concepts: Interconnectedness</p>	<p align="center">Theme: WHO WE ARE</p> <p>Central Idea: One whole is defined by its characteristics and attributes. Inquiry into: -Roots of modern democracy -Separation of power in branches -Responsibility of each branch at each level -Characteristics of different quadrilaterals Key Concepts: Function – How does it work? Responsibility – What is our responsibility? Related Concepts: Pattern Systems</p>

Program of Inquiry
Chronological Order 2014-2015
 Last revised January 21st

4	<p align="center">Theme: HOW WE EXPRESS OURSELVES</p> <p>Central Idea: Location influences structure. Inquiry into: -Survival of natives using resources for food, clothing, transportation, and shelter (connection) -Characteristics of locations including man-made & physical features (form) -Patterns of water and weather to make predictions (form & connection) -Understand place value systems (form & connection) Key Concepts: Form – What is it like? Connection – How is it connected to other things? Related Concepts: Systems Relationships Patterns</p>	<p align="center">Theme: WHERE WE ARE IN PLACE AND TIME</p> <p>Central Idea: Exploration of patterns builds connections. Inquiry into: -Obstacles and accomplishments of European exploration -Patterns and physical attributes of stars and planets -Relative position and movement of celestial objects -Solve multiplication and division problems using multiple strategies Key Concepts: Change – How is it changing? Connection – How is it connected? Related Concepts: Patterns Exploration</p>	<p align="center">Theme: HOW WE ORGANIZE OURSELVES</p> <p>Central Idea: Force and conflict impact each other. Inquiry into: -Geography, lifestyle and economy of Colonial life -Causes and effects of the American Revolution -Identifying forces and resulting changes using simple machines -Comparison and decomposition of fractions Key Concepts: Reflection – How do we know? Function – How does it work? Related Concepts: Conflict Tolerance Relationships</p>	<p align="center">Theme: WHO WE ARE</p> <p>Central Idea: Making connections influences the formation of systems. Inquiry into: -Challenges of forming a new government -Importance of democratic values and beliefs -Parts to whole: fractions, decimals and geometry -Roles within an ecosystem Key Concepts: Form – What is it like? Responsibility – What is our responsibility? Related Concepts: Systems Connections</p>	<p align="center">Theme: HOW THE WORLD WORKS</p> <p>Central Idea: Sequence and interaction affect an outcome. Inquiry into: -The nature of light and sound -New territories gained through Westward Expansion -Expressions of decimals with common fractional denominators -Geometric analysis of angles and circles Key Concepts: Causation – Why is it like it is? Related Concepts: Interaction Sequence</p>	<p align="center">Theme: SHARING THE PLANET</p> <p>Central Idea: Change impacts balance. Inquiry into: -Historical and personal effects of economic decisions -Adaptations necessary for survival -Solving word problems involving measurement conversions Key Concepts: Causation – Why is it like it is? Related Concepts: Change Balance</p>
	<p align="center">5</p>	<p align="center">Theme: WHERE WE ARE IN PLACE AND TIME</p> <p>Central Idea: Discovery will lead to new understandings. Inquiry into: - Causes of Westward Expansion -Effects of Big Business -Invention of the time period -Similarities between electricity and magnetism -Relationship between multiplying and dividing decimals Key Concepts: Function – How does it work? Reflection – How do we know? Related Concepts: Discovery Migration</p>	<p align="center">Theme: HOW WE ORGANIZE OURSELVES</p> <p>Central Idea: Systems and structures impact our world. Inquiry into: - Causes and effects of World War I -Economic Changes 1920s-30s and their effect on culture -Various approaches to classification -Cells and microorganisms make up living things -Fractional relationships Key Concepts: Connection – How is it connected? Related Concepts: Structure Systems Networks</p>	<p align="center">Theme: SHARING THE PLANET</p> <p>Central Idea: Solving real-world problems and conflicts bring about change. Inquiry into: - World War II: causes, relationships and conflict -Cold War: war fought with words and ideas -Relationships between Multiplying and Dividing Fractions -Comparing Inherited Traits vs. Learned Behaviours Key Concepts: Change – How does it change? Related Concepts: Conflict Resolutions Power Relationships</p>	<p align="center">EXHIBITION</p> <p align="center">Theme: WHO WE ARE</p> <p>Central Idea: An inquiry into local issues can lead to action within a community. Inquiry into: -Human behaviours can affect relationships (people and animals) -Human choices influence the state of the environment -Lifestyles impact our health -Appreciation of aesthetics without our culture Key Concepts: ALL Related Concepts: TOPIC SPECIFIC</p>	<p align="center">Theme: HOW THE WORLD WORKS</p> <p>Central Idea: Society's structure is both man-made and natural. Inquiry into: -Constructive and deconstructive forces -Change in human societies 1950s-80s -Structures of geometric figures Key Concepts: Causation – Why is it like it is? Responsibility – What is our responsibility? Related Concepts: Relationships Structure Systems</p>