

Programme of Inquiry
Borman Elementary School
Updated 4/2019

Borman's Mission Statement: *Borman is committed to empowering each learner to achieve their fullest potential.*

	Who We Are An inquiry into the nature of the self; beliefs & values; personal, physical, mental, social & spiritual health; human relationships including families, friends, communities, & cultures; rights & responsibilities; what it means to be human.	Where We Are in Place and Time An inquiry into orientation in place & time; personal histories; homes & journeys; the discoveries, explorations & migrations of humankind; the relationships between & the interconnectedness of individuals & civilizations, from local & global perspectives.	How We Express Ourselves An inquiry into the ways in which we discover & express ideas, feelings, nature, culture, beliefs & values; the ways in which we reflect on, extend & enjoy our creativity; our appreciation of the aesthetic.	How the World Works An inquiry into the natural world & its laws; the interaction between the natural world (physical & biological) & human societies; how humans use their understanding of scientific principles; the impact of scientific & technological advances on society & on the environment.	How We Organize Ourselves An inquiry into the interconnectedness of human-made systems & communities; the structure & function of organizations; societal decision-making; economic activities & their impact on humankind & the environment.	Sharing the Planet An inquiry into rights & responsibilities in the struggle to share finite resources with other people & with other living things; communities & the relationships within & between them; access to equal opportunities; peace & conflict resolution.
Pre-K	CI: I am a human able to think and act differently. . Key Concepts: Connection, Function, Responsibility Related Concepts: LOI: An inquiry into... <ul style="list-style-type: none"> Taking care of our bodies (Responsibility) Rules and routines (Function) Similarities and differences (Connection) <p style="text-align: right;">Aug-Oct</p>		CI: I can communicate my ideas and feelings. Key Concepts: Causation, Reflection, Perspective Related Concepts: LOI: An inquiry into... <ul style="list-style-type: none"> How we express our feelings The feelings we have Communicating our ideas through words and pictures <p style="text-align: right;">Nov/Dec</p>		CI: I am part of a community made up of people, places, and transportation. Key Concepts: Form, Connection, Function, Responsibility Related Concepts: LOI: An inquiry into... <ul style="list-style-type: none"> Community helpers How places have common symbols representing the culture How we move from one place to another <p style="text-align: right;">Feb - March</p>	CI: Earth depends on us. Key Concepts: Change, Function, Responsibility Related Concepts: LOI: An inquiry into... <ul style="list-style-type: none"> How to take care of the Earth Choosing how to help Basic needs <p style="text-align: right;">March - May</p>
Kinder	CI: Governing bodies implement order for safety of citizens. Key Concepts: Responsibility, Causation, Function		CI: Celebrations demonstrate culture through customs and traditions. Key Concepts: Causation, Perspective, Connection Related Concepts:	CI: Human interactions are driven by the characteristics of the world around them. Key Concepts: Form, Function, Change Related Concepts:		CI: Relationships exist between living and non-living things. Key Concepts: Function, Change, Responsibility Related concepts:

	Related Concepts: LOI: An inquiry into... <ul style="list-style-type: none"> Responsibility of Citizenship (Responsibility) The role of Rules (Function) I The Authority of Government (Causation) <p>18-19 Sept- May</p>		LOI: An inquiry into... <ul style="list-style-type: none"> Meanings and components of celebrations (Causation) Cultural influences of celebrations (Connection) Diversity among communities (Perspective) <p>Continuous</p>	LOI: An inquiry into... <ul style="list-style-type: none"> Physical Characteristics (Form) Interactions of Everyday Life (Function) Reactions of the Environment due to Characteristics (Change) <p>Oct/Nov 18-19</p>		LOI: An inquiry into... <ul style="list-style-type: none"> Living things adapt to their environment (Change) Basic needs of living things (Function) Human responsibilities with environmental interactions (Responsibility) <p>Apr/May 18-19</p>
1st	CI: Origins shape our beliefs, values, and life choices of communities. Key Concepts: Perspective, Causation, Responsibility Related concepts: LOI: An inquiry into... <ul style="list-style-type: none"> Holidays, customs, and cultures of families and communities (Perspective) Qualities of a good citizen (Responsibility) Goods and services (Connection) <p>18-19 Nov - Jan</p>	CI: Physical environment and culture are transformed over time. Key Concepts: Causation, Function, Change Related concepts: Responsibility, Causation LOI: An inquiry into... <ul style="list-style-type: none"> Past, present, and future (Causation) Geography (Function) Change-makers (Change) <p>18-19 Jan / Feb</p>	CI: People communicate ideas and new learning in different ways. Key Concepts: Form, Perspective, Function Related Concepts: LOI: An inquiry into... <ul style="list-style-type: none"> Forms of Writing (Form) Expression through numbers (Perspective) Choices for expression (Function) <p>Continuous</p>	CI: Conflict motivates change and transformation in the natural world. Key Concepts: Change, Causation, Function Related concepts: LOI: An inquiry into... <ul style="list-style-type: none"> Rules of force and motion (Change) Motivation of change makers (Function) Drawing conclusions based on data (Causation) <p>18-19 Oct/Nov</p>	CI: Order and symbols promote understanding of the world. Key Concepts: Function, Responsibility, Causation Related concepts: LOI: An inquiry into... <ul style="list-style-type: none"> Scientific organization (Function) Symbolic relationships (Causation) Function of authority figures (Function and Responsibility) <p>18-19 Aug - Sept</p>	CI: All living things are given energy as food chains are established and maintained. Key Concepts: Function, Connection, Responsibility Related concepts: LOI: An inquiry into... <ul style="list-style-type: none"> How adaptations help living things survive (Function) How interdependency contributes to food chains (Responsibility) How animals transform during their life cycles (Connection) <p>April / May</p>

2nd	<p>CI:Our communities and their citizens are similar, different, and unique.</p> <p>Key Concepts: Responsibility, Function</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • Government (Function) • Types of Communities • Personal responsibility (Responsibility) <p>18-13</p> <p>April/May</p>	<p>CI: People can alter communities, nations, and the world through their actions.</p> <p>Key Concepts: Change, Causation, Connection</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • Influence through time (Change) • Historical figures (Connection) • Impact of events (Causation) <p>18-19 Nov/Dec</p>	<p>CI: Our culture is expressed through our arts and creations.</p> <p>Key Concepts: Form, Connection, Perspective</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • Folktales and other cultural literature (Perspective) • Cultural traditions (Form) • Cultural artifacts (Connection) <p>18-19 Feb-Mar</p>	<p>CI: Structure/function of nature represents the interdependence of the world</p> <p>Key Concepts: Connection, Form, Function</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • What living things need to survive (Function) • Changing/ combining materials improve quality of life (Form) • Written works reflect our organization of information (Connection) <p>18-19 Oct-Nov</p>	<p>CI: Structure provides organization and coordination in communities.</p> <p>Key Concepts: Connection, Function, , Responsibility</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • Classification systems (Connection) • Parts of a community (Responsibility) • Interpretation of structures (Function) <p>18-19 Aug/Sept</p>	<p>CI: The community interacts to create observable resources and patterns</p> <p>Key Concepts: Change, Connection, Form</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • Properties of Earth's materials (Form) • Recognizable patterns (Change) • How physical properties are classified (Connection) <p>18-19 Jan-Feb</p>
3rd	<p>CI: The choices we make contribute to who we become.</p> <p>Key Concepts: Responsibility, Connection, Causation</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • The contributions of scientists (Connection) • Human obligations (Responsibility) • How every action has a reaction (Causation) 	<p>CI: Where we are drives our global perspective.</p> <p>Key Concepts: Change, Causation Perspective</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • Location of the physical world impacts our decisions of where we move (Change) • The cause and effects of people's choices (Causation) • Resources and industry available in 	<p>CI: Economic decisions reflect values and transform the environment</p> <p>Key Concepts: Form, Perspective, Function</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • How the future is impacted by the use of natural resources (Form) • The economic system (Function) 	<p>CI: Position drives function to provide foundations for development.</p> <p>Key Concepts: Change, Causation, Perspective, Connection</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • Text structure (Perspective) • Numerical notations (Change) • Forces (Causation) 	<p>CI: Structure of routines can lead to organization</p> <p>Key Concepts: Form, Responsibility, Causation</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • How people communicate (Responsibility) • Classification systems in the physical world (Form) • Community changes that result from 	<p>CI: Interactions between all organisms and their environment forges survival.</p> <p>Key Concepts: Connection, Change, Responsibility</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> • Investigating and comparing diverse life cycles(Change) • Exploring structures and functions of plants and animals (Connection) • Identifying, describing, and

	18-19 Oct/Nov/Dec	different areas where we live affects our economics (Perspective) 18-19 Jan/Feb	<ul style="list-style-type: none"> The power of persuasion (Perspective) 	<ul style="list-style-type: none"> The impact of contributions made by individuals (Connection) 	individual or group ideas (Causation) 18-19 Sept/Oct	predicting flow of energy and changes (Change) March/April
			18-19 April/May	18-19 Nov-Dec		
4th	<p>CI: Individuals form identities based on personal perspectives driven by their interactions in the world.</p> <p>Key Concepts: Change, Connection, Perspective</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Introspection (Perspective) The impact of AGENCY (Change) Personal histories (Connection) <p>18-19 Jan-May</p>	<p>CI: Intrinsic and external factors motivate exploration of our world.</p> <p>Key Concepts: Causation, Reflection, Change</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Exploration (Change) The interaction of people and cultures(Causation) How past explorers influence the world today (Reflection) <p>18-19 Nov-Jan</p>	<p>CI: Individuals can creatively express themselves to communicate their perspective.</p> <p>Related concepts:</p> <p>Key Concepts: Form, Function,, Perspective</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Analyzing literary genres (Form) Addressing different audiences, purposes, and occasions(Function) Influential authors (Perspective) <p>18-19 Jan- Mar</p>	<p>CI: Humans use observations to make connections, sort, and classify.</p> <p>Key Concepts: Function, Form, Connection</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Geographic regions (Connection) Properties of matter (Form) Number systems (Function) Interactions <p>18-19 Aug/Sept</p>	<p>CI: Connections within society influence decision making.</p> <p>Key Concepts: Change, Connection, Responsibility</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Problem solving (Change) Collaboration outcomes (Responsibility) Ways to Present Information (Connection) <p>18-19 April - May</p>	<p>CI: Limited resources and interconnectedness forge global consequences from human choices.</p> <p>Key Concepts: Function, Responsibility, Causation</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Options and Opportunity (Function) Management of resources (Responsibility)) Our impact on the environment (Causation) <p>18-19 Oct - Nov</p>
5th	<p>CI: Growth as an individual affects the world we interact and live in.</p> <p>Key Concepts: Responsibility, Form, Reflection</p> <p>Related concepts: Interaction, Structure</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Colonization (Form) 	<p>CI: Change leads to various outcomes.</p> <p>Key Concepts: Causation, Change, Function</p> <p>Related concepts:Rotation /Revolution</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> How sequence of events leads to an action (Function) 	<p>CI: Design established change to create a potentially different outcome.</p> <p>Key Concepts: Reflection Connection, Change</p> <p>Related Concepts Colonization,Government, Consequences, Purpose</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Authors message (Connection) 	<p>CI: Characteristics and properties help determine how relationships are built.</p> <p>Key Concepts: Responsibility, Connection Perspective</p> <p>Related Concepts: Interaction, transformation</p> <p>LOI: An inquiry into...</p>	<p>CI: Influences of the environment change the behavior of the mediums they encounter.</p> <p>Key Concepts: Function, Causation, Change</p> <p>Related Concepts: Representation, Balance, Energy</p> <p>LOI: An inquiry into...</p>	<p>CI: Our connection to natural resources and living things brings a responsibility to protect the planet.</p> <p>Key Concepts: Function, Connection, Change</p> <p>Related Concepts: Living vs. non-living, ecosystems, habitat</p> <p>LOI: An inquiry into...</p>

	<ul style="list-style-type: none"> Rights and responsibilities (Responsibility) How rights were earned (Reflection) <p>18-19 Jan/Feb</p>	<ul style="list-style-type: none"> Cause and effect of Earth's patterns (Causation) Knowledge about a topic informs(Change) <p>18-19 Feb/Mar</p>	<ul style="list-style-type: none"> Types of energy(Connection) Restructuring government (Change) <p>18-19 Nov/Dec</p>	<ul style="list-style-type: none"> Human relationships(Responsibility) Patterns and processes (Connection) Identifying, sorting, classifying (Perspective) <p>18-19 Aug/Sept</p>	<ul style="list-style-type: none"> Parts of a whole (Function) Changes in environment (Change) Effects of conflict (Causation) <p>18-19 Oct/Nov</p>	<ul style="list-style-type: none"> Food Chain (Function) Choices of the past affect the present and future (Change) Interdependency (Connection) <p>18-19 March-May</p>
Special Areas	<p>CI: Learning new skills helps us grow as individuals.</p> <p>Key Concepts: Change, Form, Responsibility</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Development of movement skills Specialized terminology Lifelong learning <p>Aug - Oct</p>	<p>CI: Our culture is reflected through our activities.</p> <p>Key Concepts: Connection, Perspective, Reflection</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> History of the arts and games How culture changes Connections between cultures <p>Nov/Dec</p>	<p>CI: Our experiences influence our creations.</p> <p>Key Concepts: Connection, Reflection, Perspective</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Skills for creating and expressing ourselves Evaluating our creations and the creations of others Our perceptions of the arts and physical activities <p>April/May</p>	<p>CI: Understanding the individual parts makes a better understanding of the whole.</p> <p>Key Concepts: Causation, Function, Responsibility</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> The science behind art, music, and physical education How the choices we make impact us <p>Feb - April</p>	<p>CI: Different activities have their own language.</p> <p>Key Concepts: Form, Function, Responsibility</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> The arrangement of elements How systems are governed by rules Knowledgeable student creations <p>Oct/Nov</p>	<p>CI: Different perspectives can strengthen the group.</p> <p>Key Concepts: Reflection, Perspective, Responsibility</p> <p>Related concepts:</p> <p>LOI: An inquiry into...</p> <ul style="list-style-type: none"> Conflict resolution Collaboration and compromise Accepting differences <p>Jan/Feb</p>
Spanish			<p>CI: Cultures express beliefs through language, traditions, and celebrations.</p> <p>Key Concepts: Function, Causation, Connection, Perspective</p> <p>Related concepts:</p> <p>LOI:</p>			

			<p>An inquiry into...</p> <ul style="list-style-type: none">• Language similarities and differences (Connection)• The contributions that build traditions and celebrations (Causation)• Expression and structure of language (Function)			
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