



# MZS PROGRAM OF INQUIRY 2020-21

## EARLY YEARS

	<b>Who We Are</b> An inquiry into the nature of the self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.	<b>Where We Are In Place and Time</b> An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between the interconnectedness of individuals and civilizations, from local and global perspectives.	<b>How We Express Ourselves</b> An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.	<b>How the World Works</b> An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principles; the impact of scientific and technological advances on society and on the environment.	<b>How We Organize Ourselves</b> An inquiry into the interconnectedness of human-made systems and communities; their structure and function of organization; societal decision-making; economic activities and their impact on humankind and the environment	<b>Sharing the Planet</b> An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.
	Relationships and culture help individuals and communities define who we are.	Past, present and future events shape the world and our perception of place and time.	Different forms of expression help us extend our understanding of the world.	Scientific discoveries impact societies and the environment.	Societal systems and organizations influence our world.	Limited resources create opportunities and challenges.
	Aug- Oct	--	Oct-Dec	Feb- April	April- June	April- June
<b>PK</b>	<p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>Physical and emotional characteristics, and likes &amp; dislikes</li> <li>Personal and social identity</li> <li>Celebrating our unique physical, social, and emotional characteristics</li> </ol> <p><b>Key &amp; Related Concepts::</b> FORM, FUNCTION, PERSPECTIVE Identity, Self, Diversity, Comparing and Contrasting</p> <p><b>ATL:</b> Social Agents &amp; Researchers</p>		<p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>Different ways of expressing ourselves</li> <li>Understanding the expressions of others</li> <li>Connecting with each other through respectful expression</li> </ol> <p><b>Key &amp; Related Concepts::</b> FORM, FUNCTION , CONNECTION Expression, Forms, Purpose &amp; Effectiveness</p> <p><b>ATL:</b> Communicators &amp; Self-Management</p>	<p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>Different types of materials</li> <li>The behaviour and use of different materials</li> <li>Using different materials to design new object and promote new behaviours</li> </ol> <p><b>Key &amp; Related Concepts::</b> FORM, FUNCTION, CHANGE Observation, Materials, Properties and Behaviors</p> <p><b>ATL:</b> Thinkers &amp; Researchers</p>		<p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>Characteristics of living and non-living things</li> <li>How living things change</li> <li>Caring for and sharing with living things</li> </ol> <p><b>Key &amp; Related Concepts::</b> FORM, CHANGE, RESPONSIBILITY Responsibility, Needs, Growth, Natural Resources</p> <p><b>ATL:</b> Social Agents &amp; Self-Management</p>
<b>KG</b>	<p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>Ways living and nonliving things can be organized</li> <li>How people interact with each other in different groups</li> <li>How the environment affects our behaviour and interactions</li> </ol> <p><b>Key &amp; Related Concepts:</b> FORM, FUNCTION, RESPONSIBILITY Group, Interactions, Rights and Responsibilities, Values, Agency, Participation</p> <p><b>ATL:</b> Social Skills and Thinker</p>		<p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>Patterns in stories</li> <li>Role of and patterns in stories</li> <li>Ways stories can be transformed</li> </ol> <p><b>Key &amp; Related Concepts::</b> FORM, FUNCTION, PERSPECTIVE, CHANGE Communication, Stories, Types, Patterns, Purpose, Values and Message, Adaptation</p> <p><b>ATL:</b> Self-manager and Communicator</p>	<p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>Identifying forces and motion around us</li> <li>Observing cause and effect with forces and motion</li> <li>Ways forces and motion are interconnected</li> </ol> <p><b>Key &amp; Related Concepts::</b> FUNCTION, CAUSATION, CHANGE, CONNECTION Exploration, Cause and Effect, Observations, Variables, Interdependence</p> <p><b>ATL:</b> Researcher and Thinker</p>		<p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>Different types of systems around us</li> <li>How systems work</li> <li>Ways systems are interconnected</li> </ol> <p><b>Key &amp; Related Concepts::</b> FORM, FUNCTION, CONNECTION System, Structure, Relationship</p> <p><b>ATL:</b> Researcher and Thinker</p>



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## LOWER ELEMENTARY

	<b>Who We Are</b> An inquiry into the nature of the self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; rights and responsibilities; what it means to be human.	<b>How the World Works</b> An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principles; the impact of scientific and technological advances on society and on the environment.	<b>Where We Are In Place and Time</b> An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between the interconnectedness of individuals and civilizations, from local and global perspectives.	<b>How We Organize Ourselves</b> An inquiry into the interconnectedness of human-made systems and communities; their structure and function of organization; societal decision-making; economic activities and their impact on humankind and the environment	<b>Sharing the Planet</b> An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and the relationships within and between them; access to equal opportunities; peace and conflict resolution.
	Relationships and culture help individuals and communities define who we are.	Scientific discoveries impact societies and the environment.	Past, present and future events shape the world and our perception of place and time.	Societal systems and organizations influence our world.	Limited resources create opportunities and challenges.
	Sept- Oct	Nov- Dec	Feb-March	March- April	May- June
	<b>How We Express Ourselves- Collaborative Parallel Unit</b> Engaging in and reflecting on a range of creative experiences broadens our understanding and appreciation of culture.  <b>Key and Related Concepts:</b> FORM, FUNCTION, CAUSATION Discovery, Features, Behaviour, Relationships <b>ATL:</b> Communicators				
<b>G1</b>	<b>Lines of Inquiry:</b> 1. Relationships and interaction 2. Defining choices and possible consequences in the group 3. Ways to build relationships  <b>Key &amp; Related Concepts:</b> FORM, CAUSATION, PERSPECTIVE Relationships, Interactions, Choices, Group, Cooperation and Conflict  <b>ATL:</b> Communicators & Social Agents	<b>Lines of Inquiry:</b> 1. Types of natural phenomena and how it connects to weather and climate 2. Making predictions about different kinds of weather patterns 3. How weather impacts our lives and how humans impact the environment  <b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CONNECTION, RESPONSIBILITY Patterns, Weather and Climate, Prediction, Consequences  <b>ATL:</b> Thinkers & Communicators	<b>Lines of Inquiry:</b> 1. Similarities and differences between life of long ago and today [places, events/situations, and people] 2. How can time be measured [past and present] 3. Ways past events can impact future events  <b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CHANGE, CAUSATION Change, Compare and Contrast, Past/ Present, Factors  <b>ATL:</b> Researchers	<b>Lines of Inquiry:</b> 1. Societal systems and structure 2. Identifying and defining human rights and responsibilities 3. How societal systems impact our lives - citizenship  <b>Key &amp; Related Concepts:</b> FORM, CONNECTION, CAUSATION Citizenship, Societal systems, Roles and responsibilities, Impact  <b>ATL:</b> Social Agents & Self-Managers	<b>Lines of Inquiry:</b> 1. Structures and function of plants and animals 2. Interconnectedness between animals, plants, humans and the physical environment 3. Plants and animals as a limited or unlimited resource  <b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CONNECTION, CAUSATION Processes, Structures and Function, Cycles, Interconnection  <b>ATL:</b> Social Agents & Researchers
<b>G2</b>	<b>Lines of Inquiry:</b> 1. Different types of roles at home, in the community, and school 2. Roles of children from different cultures 3. The influence of roles in shaping 'Who We Are' and communities  <b>Key &amp; Related Concepts:</b> FORM, PERSPECTIVE, CAUSATION Roles, Responsibility, Choices, Influence, Specialization  <b>ATL:</b> Social-Agents & Researchers	<b>Lines of Inquiry:</b> 1. Defining matter, changes, and interactions 2. Behaviours and relationships of matter 3. How scientific discoveries impact our life  <b>Key &amp; Related Concepts:</b> FORM, CHANGE, CONNECTION, CAUSATION Properties of Matter, Transformation, Impact  <b>ATL:</b> Self-Managers & Researchers	<b>Lines of Inquiry:</b> 1. Physical features of the environment 2. How humans adapt to their physical environment 3. Factors that contribute to the change of environments  <b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CAUSATION Adaptation, Physical environment, Location, Patterns  <b>ATL:</b> Communicator, Researcher	<b>Lines of Inquiry:</b> 1. Cooperation and conflict 2. Impact of decision making 3. How our actions influence people's life  <b>Key &amp; Related Concepts:</b> FORM, PERSPECTIVE, CAUSATION Decision Making, Problem Solving, Leadership, Agencies, Cooperation & Conflict  <b>ATL:</b> Self-Managers & Social Agents	<b>Lines of Inquiry:</b> 1. How humans interact with the environment 2. Ways to support sustainability 3. How changes in lifestyle impact the environment  <b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CHANGE, RESPONSIBILITY Human Impact, Choices, Sustainability  <b>ATL:</b> Thinkers & Social Agents



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## UPPER ELEMENTARY

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	<b>Relationships and culture help individuals and communities define who we are.</b> <i>*Lines of Inquiry developed by student</i>	<b>Scientific discoveries impact societies and the environment.</b> <i>*Lines of Inquiry developed by student</i>	<b>Past, present and future events shape the world and our perception of place and time.</b> <i>*Lines of Inquiry developed by student</i>	<b>Societal systems and organizations influence our world.</b> <i>*Lines of Inquiry developed by student</i>	<b>Limited resources create opportunities and challenges.</b> <i>*Lines of Inquiry developed by student</i>
	<b>Sept- Oct</b>	<b>Nov- Dec</b>	<b>Feb-March</b>	<b>March- April</b>	<b>May- June</b>
			<b>How We Express Ourselves- Collaborative Parallel Unit</b> <b>Engaging in and reflecting on a range of creative experiences broadens our understanding and appreciation of culture.</b> <i>*Lines of Inquiry developed by students</i> <b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CONNECTION, PERSPECTIVE, Appreciation, Aesthetics, Interpretation, Response, Expression, Creativity, Relationship (artist/ audience), Purpose <b>ATL:</b> Communicator		
<b>G3</b>	<b>Key &amp; Related Concepts:</b> FORM, PERSPECTIVE, RESPONSIBILITY Diversity, Regions and People, History and Traditions <b>ATL:</b> Researchers & Social-Agents	<b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CHANGE, CONNECTION Interactions, Forces, Motion and Response, Energy and Dynamics, Implications of Discoveries <b>ATL:</b> Researchers & Self-Managers	<b>Key &amp; Related Concepts:</b> FORM/FUNCTION, PERSPECTIVE, CAUSATION Changes overtime, Time and Location Measuring Tools, Explorations, Views and Perceptions of the world <b>ATL:</b> Researchers & Communicators	<b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CAUSATION, CONNECTION Governance, Leadership and Service, Power, Impact, Representation <b>ATL:</b> Social Agents & Thinkers	<b>Key &amp; Related Concepts:</b> CONNECTION, FORM, RESPONSIBILITY Resources, Sustainability, Renewable and Non-renewable, Processes, Wants and Needs, Implications <b>ATL:</b> Social- Agents & Researchers
<b>G4</b>	<b>Key &amp; Related Concepts:</b> CONNECTION, PERSPECTIVE, RESPONSIBILITY Communities, Cultural Expectations, Rituals, Codes, Perceptions and Reactions <b>ATL:</b> Communicators & Social Agents	<b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CAUSATION, RESPONSIBILITY Transfer & Conservation, Energy, Function & Use, Implications of Discoveries <b>ATL:</b> Self-Managers & Researchers	<b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CHANGE, CAUSATION Systems, Earth and Solar system, Chronology, Transformation, Interdependence <b>ATL:</b> Researchers & Communicators	<b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CHANGE, CAUSATION Political systems, Organization, Impact, Effects of Conflict & Cooperation <b>ATL:</b> Researcher & Social-Agents	<b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CONNECTION, CAUSATION Dependence & Interdependence, Habitats and ecosystems, Responsibility, Competition <b>ATL:</b> Researchers & Social Agents
	<b>September</b>	<b>Oct-Nov</b>	<b>Nov-Dec</b>	<b>Jan- March</b>	<b>March- April</b>
<b>G5</b>	<b>Key &amp; Related Concepts:</b> FORM, PERSPECTIVE, CONNECTION, Beliefs, Culture, Systems, Diversity, Diffusion <b>ATL:</b> Thinkers & Communicators	<b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CONNECTION, CAUSATION Reactions, Structure and Properties, Matter <b>ATL:</b> Self-Managers & Researchers	<b>Key &amp; Related Concepts:</b> FORM, CAUSATION, CONNECTION, PERSPECTIVE Cause & Effect, Population and Migration, Human & Physical Characteristics, Prejudice, Conflict and Cooperation <b>ATL:</b> Researchers & Communicators	<b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CHANGE, CAUSATION, RESPONSIBILITY Exchange, Trade, Progress, Impact, Organizations <b>ATL:</b> Researchers & Social-Agents	<b>G5 EXHIBITION (May-Jun)- Open Inquiry</b> <b>Key &amp; Related Concepts:</b> FORM, FUNCTION, CONNECTION, RESPONSIBILITY Adaptation, Biodiversity, Heredity <b>ATL:</b> Researchers & Social-Agents