

Ilmesters Academy
Programme of Inquiry
Pre-K

Who we are	Where we are in place and time	How we express ourselves	How the world works	How we organize ourselves	Sharing the planet
<p>Central Idea: People’s relationship with each other can have an impact on well-being</p> <p>LOI: How we develop relationships</p> <p>How relationships affect us</p> <p>Roles and behavior within relationships</p> <p>Key Concept: Function, connection, responsibility</p>		<p>Central Idea: Stories inform us about the world and provoke our imagination</p> <p>LOI: What do we know from stories</p> <p>Different types of stories</p> <p>Stories make us think</p> <p>Key Concept: Form, perspective, reflection</p>			<p>Central Idea: Living things interact among themselves and with their environment</p> <p>LOI: Characteristics of living things</p> <p>Comparison between living things according to their needs</p> <p>Relationship between humans and other living things</p> <p>Key Concept: Function, connection, responsibility</p>

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Kindergarten**

Who we are	Where we are in place and time	How we express ourselves	How the world works	How we organize ourselves	Sharing the planet
<p>Central Idea: Our actions affect others</p> <p>LOI: Attributes of learner profile</p> <p>Our actions determine who we are</p> <p>Taking responsible actions</p> <p>Key Concept: Reflection, responsibility, perspective</p>	<p>Central Idea: Geography helps us to define location</p> <p>LOI: The earth's surface</p> <p>Continents and oceans</p> <p>People on the continent</p> <p>Key Concept: Form, connection</p>	<p>Central Idea: People use different techniques of art to express themselves</p> <p>LOI: Different techniques of art</p> <p>Everyone expresses themselves through art</p> <p>Art is all around us</p> <p>Key Concept: Form, connection, perspective</p>	<p>Central Idea: People use their understanding of the behaviour of light in their daily lives.</p> <p>LOI: Sources of light</p> <p>The way light behaves</p> <p>Ways light is used</p> <p>How light affect our lives</p> <p>Key Concept: Function, connection, causation</p>	<p>Central Idea: Transportation systems are directly related to the needs of community</p> <p>LOI: Transportation systems are different in various areas</p> <p>Changes in transportation systems over time</p> <p>Decisions involved in using transportation</p> <p>Key Concept: Form, connection, function</p>	<p>Central Idea: Living things develop and change through lifecycles</p> <p>LOI: Things grow and change</p> <p>Physical characteristics of different developmental stages</p> <p>Importance of developmental stages</p> <p>Key Concept: Form, function, change</p>

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Grade 1

Who we are	Where we are in place and time	How we express ourselves	How the world works	How we organize ourselves	Sharing the planet
<p>Central Idea: Personal choices affect our health</p> <p>LOI: Food choices affect our health</p> <p>Physical choices affect our health</p> <p>Our choices affect our performance in school</p> <p>How we make personal choices</p> <p>Key Concepts: Reflection, causation, responsibility</p>	<p>Central idea: Cultures and traditions evolve over time</p> <p>LOI: Beliefs and practices that shape cultures</p> <p>Changes in traditions and cultures from past to present</p> <p>Diversity of cultures</p> <p>Key concepts: Change, reflection, perspective</p>	<p>Central Idea: Stories are told in a variety of ways for different purposes</p> <p>LOI: How stories are told</p> <p>Structure of stories</p> <p>Stories around the world</p> <p>Purpose of stories</p> <p>Key Concept: Connection, perspective, function</p>	<p>Central Idea: Materials have properties that can be changed to be used in different ways</p> <p>LOI: The properties of materials</p> <p>The changing states of matter</p> <p>How humans use different materials</p> <p>Key Concept: Form, change, function</p>	<p>Central Idea: People work in order to support themselves and the community</p> <p>LOI: Jobs in our community</p> <p>The importance of work for individual, family and community</p> <p>How jobs interconnect with each other to support community</p> <p>Obtaining and retaining employment</p> <p>Key Concept: Function, causation, connection</p>	<p>Central Idea: Water is a finite resource</p> <p>LOI: Where does water come from</p> <p>Water and ecosystem</p> <p>How water impact our lives</p> <p>What is our responsibility to conserve the resource</p> <p>Key Concept: Form, responsibility, function</p>

Programme of Inquiry

Grade 2

Who we are	Where we are in place and time	How we express ourselves	How the world works	How we organize ourselves	Sharing the planet
<p>Central Idea: Children have rights to enjoy and responsibilities to fulfill</p> <p>LOI: The rights that all children should have</p> <p>Similarities and differences between rights and responsibilities</p> <p>Whether these right differ throughout the world</p> <p>Key Concepts: Reflection, connection, responsibility</p>	<p>Central Idea: Man evolved on earth a long time ago and his physical features and lifestyle has undergone a change</p> <p>LOI: Evolution of man</p> <p>Lifestyle of man (Then and now)</p> <p>Discovery of fire and invention of wheel</p> <p>Key Concept: Causation, change, connection</p>	<p>Central Idea: Performing arts allow us to express ourselves, be creative and communicate with others</p> <p>LOI: The performing arts (acting, miming, improvising, body expression, dance)</p> <p>The role of costumes, props and scenery</p> <p>Expressing ourselves through performing art</p> <p>Creating a performance</p> <p>Key Concept: Function, form, perspective</p>	<p>Central Idea: Knowledge of the solar system helps us understand how the world works</p> <p>LOI: The solar system</p> <p>How movements of solar system affects climate and landforms</p> <p>Tools used to understand the solar system</p> <p>Key Concept: Form, causation</p>	<p>Central Idea: Most foods need to go through various stages before they reach our mouth</p> <p>LOI: Sources of food</p> <p>Stages food go through before we eat them</p> <p>The choices we make and the impact they have on our health and environment</p> <p>Key Concept: Change, reflection</p>	<p>Central Idea: We share planet with many different living things</p> <p>LOI: Features that define different habitats</p> <p>Living things and their needs within the habitat</p> <p>Causes and effect relationships within the habitat</p> <p>Humans need to work to protect habitats</p> <p>Key Concept: Connection, causation, responsibility</p>

**Programme of Inquiry
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<p>Central idea: The body has a complex system and these systems work together to keep us alive LOI: Main organs of the body</p> <p>Different systems have different functions</p> <p>Making healthy or unhealthy choices affect how human body functions</p> <p>Key Concept: Form, function, causation</p>	<p>Central Idea: Exploration leads to discoveries, opportunities and new understandings LOI: Reasons of exploration (historical and personal)</p> <p>How exploration have taken place over time</p> <p>The consequences of exploration</p> <p>Key concept: Causation, perspective, reflection</p>	<p>Central Idea: Artists make choices to communicate different expressions LOI: Elements of art</p> <p>How people use different art forms to express themselves</p> <p>How art contributes to bring about change</p> <p>Key Concept: Form, perspective, connection</p>	<p>Central Idea: Energy may be converted, transformed and used to support human progress LOI: Different forms of energy sources (renewable and non-renewable)</p> <p>How energy is used (transformation)</p> <p>Sustainable energy practices</p> <p>Key Concept: Form, causation, responsibility</p>	<p>Central Idea: People and organizations can prepare for and respond to disaster in a variety of ways LOI: Causes of natural disaster</p> <p>Precautions and management of natural disasters</p> <p>How has disaster management changed over time</p> <p>Key Concept: Causation, function, change</p>	<p>Central Idea: People can make choices to support the sustainability of the earth's resources LOI: Earth's finite and infinite resources</p> <p>The impact of people's choices on the environment</p> <p>The balance between meeting human needs and the limited resources</p> <p>Key Concept: Perspective, responsibility, reflection</p>

Programme of Inquiry

Grade 4

Who we are	Where we are in place and time	How we express ourselves	How the world works	How we organize ourselves	Sharing the planet
<p>Central Idea: Diversity of faiths can help us understand ourselves and others</p> <p>LOI: Beliefs and practices around the world</p> <p>Differences and similarities between faiths</p> <p>Our responsibility of respecting different faiths and perspectives</p> <p>Key Concept: Perspective, connection, responsibility</p>	<p>Central Idea: Throughout history people have moved and brought about change</p> <p>LOI: Reasons people migrate</p> <p>Where they come from and where they go</p> <p>Effects on indigenous population</p> <p>Key Concept: Causation, function, reflection</p>	<p>Central Idea: Media influences our thinking</p> <p>LOI: Different forms of media</p> <p>Purpose of media</p> <p>How media affects our opinion and thinking</p> <p>Stereotypes and gender bias</p> <p>Key Concept: Form, function, perspective</p>	<p>Central Idea: Understanding of scientific knowledge is constantly evolving and has an impact on people’s lives</p> <p>LOI: What leads to advances in scientific knowledge and understanding</p> <p>The role of technology in scientific understanding</p> <p>The effects of scientific advances on people and the environment</p> <p>Key Concept: Change, connection, responsibility</p>	<p>Central Idea: Economic activity relies on systems of production, exchange and consumption of goods and services</p> <p>LOI: The role of supply and demand</p> <p>The distribution of goods and services</p> <p>Our responsibility as consumers</p> <p>Key Concept: Function, connection, responsibility</p>	<p>Central Idea: Children worldwide encounter a range of challenges, risks and opportunities</p> <p>LOI: Challenges, risks and opportunities that children encounter (local and global)</p> <p>How children respond to challenges, risks and opportunities</p> <p>Ways in which individuals and organizations work to protect children from risk</p> <p>Key Concept: Form, perspective, reflection</p>

Programme of Inquiry

Grade 5

Who we are	Where we are in place and time	How we express ourselves	How the world works	How we organize ourselves	Sharing the planet
<p>Central Idea: Challenges people experience at different stages of their lives affect their evolving sense of self</p> <p>LOI: Physical, social, emotional, and intellectual changes that occur throughout life</p> <p>Factors that contribute to well-being during adolescence</p> <p>How relationships contribute to our self-confidence</p> <p>Key Concept: Function, change, responsibility</p>	<p>Central Idea: Evidences of past civilizations can be used to make connections to present day societies</p> <p>LOI: Characteristics of civilization and societies</p> <p>Connection between past and present</p> <p>Implications for the future</p> <p>Processes involved in collecting, analyzing, and validating evidence</p> <p>Key Concept: Form, change, connection</p>	<p>Central Idea: Many factors determine how effective communication is to an audience</p> <p>LOI: Forms of communication</p> <p>Factors that influence effective communication</p> <p>Adapting communication to suit different audience</p> <p>Key Concept: Form, Causation, Perspective</p>	<p>Central Idea: Different reactions occur when everyday substances react</p> <p>LOI: The different states of matter</p> <p>Basic chemical actions and reactions</p> <p>How common substances interact when they are mixed</p> <p>The scientific method</p> <p>Key Concepts: Form, change, causation</p>	<p>Central Idea: Government systems and decisions can promote or deny equal opportunities and social justice</p> <p>LOI: Need for government and electoral process</p> <p>Legislative process and implementation</p> <p>Responsibilities of individuals and communities</p> <p>Key Concept: Responsibility, function, reflection</p>	<p>Central Idea: Living things in an ecosystem are interconnected and impact each other</p> <p>LOI: Components of an ecosystem</p> <p>Interaction within the ecosystem</p> <p>Human effects on ecosystem</p> <p>Key Concept:</p>