













Program of Inquiry AIA 2015-2016



Age	An inquiry into: Who We Are 	An inquiry into: Where We Are in Place and Time 	An inquiry into: How We Express Ourselves 	An inquiry into: How the World Works 	An inquiry into: How We Organize Ourselves 	An inquiry into: Sharing the Planet 
	<p>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.</p>	<p>An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilizations, from local and global perspectives.</p>	<p>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.</p>	<p>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.</p>	<p>An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organizations; societal decision-making; economic activities and their impact on humankind and the environment.</p>	<p>An inquiry into 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.</p>
<p>3 to 4 years PS PRE K</p>	<p>Central Idea: We may be the same and different.</p> <p>Key Concepts: form, reflection, connection</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Our physical characteristics • Our interests • Our skills <p>Our similarities and differences</p>		<p>Central Idea: Stories inform and provoke us, and give us pleasure.</p> <p>Key Concepts: connection, perspective, reflection</p> <p>Related Concept: communication</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What a story is • What stories convey • How stories are created and shared • Feelings and emotions that stories evoke 	<p>Central Idea Understand how the natural elements help us to know more about our world.</p> <p>Key Concepts: form, function, connection</p> <p>Related Concept: properties, transformation</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What the natural elements are (air, earth, water) • Characteristics of natural elements • Importance of natural elements • How people use the natural elements (uses and preservation) 		<p>Central Idea: Relationships exist between animals and people.</p> <p>Key Concepts: function, connection, responsibility</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • The roles animals play in people's lives • How animals and people interact • Our responsibility towards animals







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4 to 5 years MS K1	<p>Central Idea: Friendships enrich our lives and require nurturing in order to develop.</p> <p>Key Concepts: function, connection, responsibility</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How friends are made and kept • Why friends are needed • Characteristics that develop a healthy friendship 		<p>Central Idea: Play allows us to explore and express ourselves in different ways.</p> <p>Key Concepts: causation, perspective, reflection</p> <p>Related Concepts: rehearsal, performance, script writing</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What is play • Our responsibilities to play • How reflecting on our play helps us to improve • How we share our Ideas and interpretations with others 	<p>Central Idea: Food changes in many ways.</p> <p>Key Concepts: function, change, connection</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Where food comes from • How food changes • How food is prepared in different ways. 		<p>Central Idea: Plants are a life-sustaining resource for us and for other living things.</p> <p>Key Concepts: form, function, responsibility, connection</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What plants provide for us and for other living things. • The structure of a plant – plant cycle. • Caring for plant life







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5 to 6 years GS K2	<p>Central Idea: Making balanced choices about daily routines enables us to have a healthy lifestyle.</p> <p>Key Concepts: function, causation, reflection, responsibility</p> <p>Related Concepts: balance, well-being</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Daily habits and routines (hygiene, sleep, play, eating) Balanced choices Consequences of choices 	<p>Central Idea: Documenting personal histories allows us to reflect on and celebrate who we are and where we come from.</p> <p>Key Concepts: form, connection, perspective</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Personal experiences from birth to present Personal change from birth to present Reflecting on who is/has been important in our lives. 	<p>Central Idea: Celebrations may be influenced by cultures.</p> <p>Key Concepts: function, perspective connection</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Types of celebrations How people celebrate Why people celebrate 	<p>Central Idea: Different factors affect balance and motion</p> <p>Key Concepts: function, causation, change</p> <p>Related Concepts: equilibrium, mechanics</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> How things move How things balance How we can affect the way things move and or balance 	<p>Central Idea: School communities may be enriched by their members and the different roles they bring.</p> <p>Key Concepts: connections, perspective</p> <p>Related Concepts: continuity, diversity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> What is a school People within the school community The personal stories of school community members 	<p>Central Idea: All living things go through a process of change.</p> <p>Key Concepts: change, connection, function</p> <p>Related Concepts: cycles, transformation</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Life cycles How living things change over their life time Developmental stages of various living things







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6 to 7 years P1 G1	<p>Central Idea: Safety is a shared responsibility.</p> <p>Key Concepts: function, responsibility, reflection</p> <p>Related Concepts: behavior, safety, relationships</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What helps us stay safe • How others help us stay safe • How I am responsible for making safe choices 	<p>Central Idea: Cities have special characteristics that make them unique.</p> <p>Key Concepts: function, connection</p> <p>Related Concepts: cooperation, ownership, perspective</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • The physical characteristics of Alexandria • The heritage of where we live • The places and things you would like a visitor to see • Similarities and differences between Alexandria and other cities 	<p>Central Idea: We learn about ourselves and others through different emotions.</p> <p>Key Concepts: form, change, reflection</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Different emotions and how we express them • Our responses to emotions • How we deal with emotions 	<p>Central Idea: Understanding the properties of air allows people to make practical applications.</p> <p>Key Concepts: function, causation, connection</p> <p>Related Concepts: force, energy</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • The evidence of the existence of air • What air can do and how we use it • The relationship between air, light and sound 	<p>Central Idea: Systems of trade and exchange make products available.</p> <p>Key Concepts: function, causation, connection</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Trading and exchanging affects our lives • Products available to us • Journeys our products make • The interconnectedness within/between systems 	<p>Central Idea: Life within an ecosystem is interdependent</p> <p>Key Concepts: function, connection, responsibility</p> <p>Related Concepts: behavior, adaptation, systems</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • What an ecosystem is • How an ecosystem works • The effects of removing an element from an ecosystem • Our role in protecting ecosystems







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7 to 8 years	<p>Central Idea: <i>By exploring our environment with our five senses, we are able to better understand our world.</i></p> <p>Key Concepts: <i>form, function, connection</i></p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> <i>The five senses and their uses.</i> <i>Taking care of our senses</i> <i>Understanding disabilities related to our senses</i> <i>The role senses play in understanding our environment</i> 	<p>Central Idea: <i>The development of global perspectives may help us understand our place in the world in relation to others.</i></p> <p>Key Concepts: <i>connection, perspective, responsibility</i></p> <p>Related Concepts: <i>context, location, orientation</i></p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <i>How we represent place/ the world/ Egypt</i> <i>Representations of Egypt through time</i> <i>The relationship of our location to other parts of the world</i> 	<p>Central Idea: <i>Through the arts people use different forms of expression to convey their uniqueness as human beings.</i></p> <p>Key Concepts: <i>function, perspective, reflection</i></p> <p>Related Concepts: <i>perception, self-expression</i></p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> <i>The diverse ways in which people express themselves</i> <i>How everyone can express their uniqueness through the arts</i> <i>The role of art in culture and society</i> 	<p>Central Idea: <i>Simple machines transfer force and affect the way humans do work.</i></p> <p>Key Concepts: <i>causation, function, connection</i></p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <i>How simple machines work</i> <i>The scientific principles of work and force</i> <i>How simple machines affect our lives</i> 	<p>Central Idea: <i>In a workplace people share responsibility towards a common purpose.</i></p> <p>Key Concepts: <i>function, connection, responsibility</i></p> <p>Related Concepts: <i>cooperation, employment</i></p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> <i>Purpose of a workplace</i> <i>Interconnectedness of people in a workplace and the community</i> <i>Impact of people working together to achieve a common purpose</i> 	<p>Central Idea: <i>The seas and oceans are a resource for all life on earth.</i></p> <p>Key Concepts: <i>connection, perspective, responsibility,</i></p> <p>Related Concepts: <i>conservation, interconnectedness</i></p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <i>Features of the world's seas and oceans</i> <i>The role of seas and oceans to support life</i> <i>Our responsibility to conserve our seas and oceans</i>







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<p>8 to 9 years G3</p>	<p>Central Idea: Rights and responsibilities impact on our lives. Key Concepts: function, responsibility, perspective Related Concepts: organization, governments, conflict Lines of Inquiry:</p> <ul style="list-style-type: none"> • Our rights and responsibilities • The rights and responsibilities of other children (comparative study) • The connection between rights and responsibilities • The impact of rights being denied and met 	<p>Central Idea: Events in our history shape our environment and lives Key Concepts: perspective, connection, reflection Related Concepts: chronology, history, tradition Lines of Inquiry:</p> <ul style="list-style-type: none"> • Understanding family ancestry (Grade 3) • The influence of Egyptian history on the world today (Grade 4) • Artifacts, events and rituals have meaning in a society • Changes over time 	<p>Central Idea: Cultures use different forms of visual art to express feelings and ideas Key Concepts: form, function, connection, perspective Related Concepts: culture, media, pattern Lines of Inquiry:</p> <ul style="list-style-type: none"> • Different forms of visual art expression • How visual art is expressed in our culture • The function/role of artistic expression within a culture • Ways that artistic expression can be interpreted 	<p>Central Idea: Weather affects life on earth. Key Concepts: connection, causation, form Related Concepts: climate, systems, pollution, Lines of Inquiry:</p> <ul style="list-style-type: none"> • What causes different kinds of weather • How weather affects life on earth • How human actions might affect the weather 	<p>Central Idea: NGO's within a community provide services designed to meet people's needs. Key Concepts: function, form, perspective, responsibility Related Concept: networks Lines of Inquiry:</p> <ul style="list-style-type: none"> • Reasons NGO's exist in our community • Services NGO's provide to support our community • Services International organizations provide to our community and to other countries • Action we can take to support our community 	<p>Central Idea: The importance of water and its effect on human survival. Key Concepts: function, responsibility, connection Related Concepts: conservation, equity, processes Lines of Inquiry:</p> <ul style="list-style-type: none"> • Sources of water and how water is used • What happens to water after we have used it • Distribution and availability of usable water • Responsibilities regarding water







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<p>9 to 10 years G4</p>	<p>Central Idea: <i>Our bodies allow us to be functional human beings and productive citizens.</i></p> <p>Key Concepts: <i>function, responsibility, connection</i></p> <p>Related Concepts: <i>nutrition, exercise, growth,</i></p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • <i>Body systems</i> • <i>How our body systems work together</i> • <i>How to take care of our bodies</i> 	<p>Central Idea: <i>Human migration is a response to challenges, risks and opportunities.</i></p> <p>Key Concepts: <i>causation, change, perspective</i></p> <p>Related Concepts: <i>population, settlement</i></p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • <i>The reasons why people migrate</i> • <i>Migration throughout history</i> • <i>Effects of migration on communities, cultures and individuals</i> 	<p>Central Idea: <i>Choices of role models reflect the characteristics that societies and individuals value.</i></p> <p>Key Concepts: <i>causation, perspective, reflection</i></p> <p>Related Concepts: <i>self-fulfillment, influence</i></p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • <i>Role models and why we value them</i> • <i>Why we should develop our own gifts, talents and interests</i> • <i>How personal strengths can be applied to help others</i> 	<p>Central Idea: <i>The evolution of inventions can change the way we live.</i></p> <p>Key Concepts: <i>function, change, connection</i></p> <p>Related Concepts: <i>mechanics, technological advances, ecology</i></p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • <i>Inventions throughout human history</i> • <i>How inventions work</i> • <i>The process and purpose of inventing</i> • <i>The positive and negative impacts of human inventions</i> 	<p>Central Idea: <i>The choices we make as consumers may be affected by the marketing of goods and services.</i></p> <p>Key Concepts: <i>form, reflection, connection</i></p> <p>Related Concepts:</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • <i>The needs and wants of consumers force choices to be made</i> • <i>How advertising affects consumer choices</i> • <i>Marketing process</i> 	<p>Central Idea: <i>Energy exists in different forms and it is changed, stored, and used in different ways</i></p> <p>Key Concepts: <i>form, function, connection</i></p> <p>Related Concepts: <i>conservation, transformation</i></p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • <i>Forms of Energy</i> • <i>The storage and transformation of energy</i> • <i>Conservation of energy</i> • <i>Renewable and sustainable energy</i>







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10 to 11 years P5 G5	<p>Central Idea Finding peaceful solutions to conflict leads to a better quality of human life.</p> <p>Key Concepts: causation, perspective, responsibility Related Concepts: conflict, diversity, justice Lines of Inquiry:</p> <ul style="list-style-type: none"> • Causes of conflict • Conflict resolution and management • Living and working together peacefully 	<p>Central Idea Past civilizations shape present day systems and technologies.</p> <p>Key Concepts: function, connection, perspective Related Concepts: continuity, progress, Lines of Inquiry</p> <ul style="list-style-type: none"> • Aspects of past civilizations that have survived • Reasons these systems and technologies developed • Why modern societies continue to use adaptations of these systems and technologies 	<p>Central Idea Culture influences our beliefs and lives.</p> <p>Key Concepts: Perspective, reflection, function Related Concepts: acceptance, diversity, values, culture Lines of Inquiry</p> <ul style="list-style-type: none"> • Our own culture and beliefs • What influences beliefs • How culture and beliefs are similar and different • How culture and beliefs influence the way we live 	<p>Central Idea: Everything in our world is composed of matter.</p> <p>Key Concepts: form, change, reflection Related Concepts: interdependence Lines of Inquiry</p> <ul style="list-style-type: none"> • The properties of matter • Processes that cause matter to change • How we use these understandings • The importance of scientific inquiry 	<p>Central Idea: Government systems influence the lives of citizens.</p> <p>Key Concepts: function, perspective, responsibility Lines of Inquiry:</p> <ul style="list-style-type: none"> • How government systems function • Decision making process • The impact of government on citizens 	EXHIBITION

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Age	An inquiry into: Who We Are 	An inquiry into: Where We Are in Place and Time 	An inquiry into: How We Express Ourselves 	An inquiry into: How the World Works 	An inquiry into: How We Organize Ourselves 	An inquiry into: Sharing the Planet 
	<i>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.</i>	<i>An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilizations, from local and global perspectives.</i>	<i>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.</i>	<i>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.</i>	<i>An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organizations; societal decision-making; economic activities and their impact on humankind and the environment.</i>	<i>An inquiry into 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.</i>
8 to 10 years P3/4	<p>Central Idea: <i>Our bodies allow us to be functional human beings and productive citizens.</i></p> <p>Key Concepts: function, responsibility, connection</p> <p>Related Concepts: nutrition, exercise, growth,</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Body systems • How our body systems work together • How to take care of our bodies 	<p>Central Idea: <i>Human migration is a response to challenges, risks and opportunities.</i></p> <p>Key Concepts: causation, change, perspective</p> <p>Related Concepts: population, settlement</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • The reasons why people migrate • Migration throughout history • Effects of migration on communities, cultures and individuals 	<p>Central Idea: <i>Choices of role models reflect the characteristics that societies and individuals value.</i></p> <p>Key Concepts: causation, perspective, reflection</p> <p>Related Concepts: self-fulfillment, influence</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Role models and why we value them • Why we should develop our own gifts, talents and interests • How personal strengths can be applied to help others 	<p>Central Idea: <i>Weather affects life on earth.</i></p> <p>Key Concepts: connection, causation, form</p> <p>Related Concepts: climate, systems, pollution,</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What causes different kinds of weather • How weather affects life on earth • How human actions might affect the weather 	<p>Central Idea: <i>NGO's within a community provide services designed to meet people's needs.</i></p> <p>Key Concepts: function, form, perspective, responsibility</p> <p>Related Concept: networks</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Reasons NGO's exist in our community • Services NGO's provide to support our community • Services International organizations provide to our community and to other countries • Action we can take to support our community 	<p>Central Idea: <i>The importance of water and its effect on human survival.</i></p> <p>Key Concepts: function, responsibility, connection</p> <p>Related Concepts: conservation, equity, processes</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Sources of water and how water is used • What happens to water after we have used it • Distribution and availability of usable water • Responsibilities regarding water