

Adams Elementary School

Programme of Inquiry 2015-2016

Age/ Grade	An Inquiry into:					
	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
	<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>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>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>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>Inquiry into rights and responsibilities in the struggle to share finite resources with other people and other living things; communities and the relationship within and between them; access to equal opportunities; peace and conflict resolution.</i>
Ages 4-5 Preschool	<p>Central Idea: Relationships grow and help us learn.</p> <p>Key Concepts: form, function, connection</p> <p>Related Concepts: peace, similarities, differences, friendship</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Why relationships are important <input type="checkbox"/> What makes a relationship <input type="checkbox"/> Creating healthy relationships 		<p>Central Idea: Words and play help to communicate.</p> <p>Key Concepts:, reflection, perspective</p> <p>Related Concepts: behavior, choice, and opinions</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ways to communicate appropriately <input type="checkbox"/> Ways to play in a variety of settings and situations <input type="checkbox"/> Ways to play effectively through compromise 	<p>Central Idea: Seasons can impact our daily life.</p> <p>Key Concepts: change, causation</p> <p>Related Concepts: cycles, patterns</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Daily activities and routines <input type="checkbox"/> How the environment changes with the seasons <input type="checkbox"/> Climate and where we live 	<p>Central Idea: Schools are organized to help us learn.</p> <p>Key Concepts: function, responsibility</p> <p>Related Concepts: roles, system, choice</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ways schools are organized <input type="checkbox"/> Roles and responsibilities as a group member <input type="checkbox"/> Routines and systems 	

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Ages 5-6 Kindergarten	<p>Central Idea: Learning involves behaviors and discovery.</p> <p>Key Concepts: function, responsibility, reflection</p> <p>Related Concepts: roles, behaviors</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The ways in which we learn <input type="checkbox"/> How learners behave at school <input type="checkbox"/> The responsibilities of learners 	<p>Central Idea: Change happens in our world over time.</p> <p>Key Concepts: causation, connection, change</p> <p>Related Concepts : past, present, future, time, history</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ways history impacts our world <input type="checkbox"/> Important people/events in our history <input type="checkbox"/> How past, present and future work in time 	<p>Central Idea: People communicate in many ways to share ideas.</p> <p>Key Concepts: form, function, perspective</p> <p>Related Concepts: similarities, differences, communication</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ways people communicate <input type="checkbox"/> Structures found in communication <input type="checkbox"/> An author's purpose 	<p>Central Idea: Forces affect objects in our world.</p> <p>Key Concepts: form, change</p> <p>Related Concepts: motion, movement, position, shape</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Types of force <input type="checkbox"/> How force affects motion and position <input type="checkbox"/> How properties of an object affect movement 	<p>Central Idea: Needs and wants influence goods and services.</p> <p>Key Concepts: connection, function, responsibility</p> <p>Related Concepts: relationships. economics</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Needs and wants <input type="checkbox"/> Goods and services <input type="checkbox"/> Reasons people trade 	<p>Central Idea: Living things have basic needs.</p> <p>Key Concepts: form function, connection</p> <p>Related Concepts: Living/nonliving, structure</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Similarities and differences between living and nonliving things <input type="checkbox"/> <i>The basic needs of living things</i> <input type="checkbox"/> <i>The structures of living things (plants and animals)</i>

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Ages 6-7 1st Grade	<p>Central Idea: People belong to families that are unique.</p> <p>Key Concepts: function, form, causation</p> <p>Related Concepts: families, traditions</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Similarities and differences in families <input type="checkbox"/> Roles and responsibilities of family members <input type="checkbox"/> How families carry out traditions 	<p>Central Idea: Evidence helps us to understand the past and make connections to the present.</p> <p>Key Concepts: causation, change, connection</p> <p>Related Concepts: past, present, future (timelines)</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How and why special days can be created because of influential people <input type="checkbox"/> Historical artifacts can be used to understand the past <input type="checkbox"/> Timelines and how they help reflect on the past and present 	<p>Central Idea: Learning about where people come from can help connect us to the world.</p> <p>Key Concepts: connection, perspective, reflection</p> <p>Related Concepts: relationships, geography</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Daily life of people from different locations <input type="checkbox"/> Geography and its impact on locations <input type="checkbox"/> Similarities/differences between people 	<p>Central Idea: Inquiry can lead to discovery.</p> <p>Key Concepts: function, form</p> <p>Related Concepts: tools, observation, discovery</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How and why people make, record, and share observations <input type="checkbox"/> Tools used in investigations <input type="checkbox"/> How senses help us to make observations to gain information 	<p>Central Idea: People and resources build communities.</p> <p>Key Concepts: connection, responsibility</p> <p>Related Concepts: communities, helpers, needs and wants, economics, money</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How community helpers influence communities <input type="checkbox"/> How available resources affect needs and wants <input type="checkbox"/> Reasons people work 	<p>Central Idea: Living things interact with the environment.</p> <p>Key Concepts: change, connection, causation</p> <p>Related Concepts: habitats, interdependence</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Features and classification of living things <input type="checkbox"/> Interdependence of living things <input type="checkbox"/> How habitats meet the needs of living things

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Ages 7-8 2nd Grade	<p>Central Idea: As citizens we have rights and responsibilities.</p> <p>Key Concepts: responsibility, causation, function</p> <p>Related Concepts: rights, citizenship, similarities/differences, consequences</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Rights and responsibilities in a community <input type="checkbox"/> Consequences of decisions <input type="checkbox"/> Similarities and differences of different environments 	<p>Central Idea: Learning about change can help us understand our world.</p> <p>Key Concepts: perspective, causation, change</p> <p>Related Concepts: time, history</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How changes from the past connect to our lives today <input type="checkbox"/> Relationship between cause and effect <input type="checkbox"/> How personal experiences differ from one another 	<p>Central Idea: People share their thinking through stories and text(s).</p> <p>Key Concepts: perspective, connection, reflection</p> <p>Related Concepts: beliefs, relationships, opinion</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ways people define themselves and view others <input type="checkbox"/> Features of stories and writing <input type="checkbox"/> How we use communication skills for a variety of purposes 	<p>Central Idea: The natural world works in predictable cycles.</p> <p>Key Concepts: function, change, form</p> <p>Related Concepts: plants, patterns, interdependence</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Purpose of plants in the natural world <input type="checkbox"/> Features of plants <input type="checkbox"/> Patterns within our world 	<p>Central Idea: Societal decisions influence behavior.</p> <p>Key Concepts: perspective, reflection, function</p> <p>Related Concepts: evidence, interpretation, opinion, choice</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The role maps play in how decisions are made <input type="checkbox"/> Why choices are made <input type="checkbox"/> How communities review and interpret behaviors to make decisions 	<p>Central Idea: Communities form relationships and share resources.</p> <p>Key Concepts: change, responsibility, connection</p> <p>Related Concepts: interdependence, changes of state, systems (water cycle)</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Decisions and their effect on communities <input type="checkbox"/> Interdependence of communities <input type="checkbox"/> Systems established to share resources

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Ages 8-9 3rd Grade	<p>Central Idea: People learn about each other and build relationships through new experiences.</p> <p>Key Concepts: causation, responsibility, perspective</p> <p>Related Concepts: relationship, citizenship</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How people cooperate to form a community <input type="checkbox"/> Ways people learn from new experiences <input type="checkbox"/> Similarities/differences among people 	<p>Central Idea: Migration and immigration may occur due to challenges or opportunities.</p> <p>Key Concepts: function, change, form</p> <p>Related Concepts: pattern, structure, systems</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Opportunities that come from migration and immigration <input type="checkbox"/> Reasons for migration and immigration <input type="checkbox"/> Impact of migration and immigration <input type="checkbox"/> How location impacts choice 	<p>Central Idea: Authors and illustrators share their views and/or experiences through words, pictures, and ideas.</p> <p>Key Concepts: perspective, connection, form</p> <p>Related Concepts: patterns, relationships</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ways an author connects stories to life <input type="checkbox"/> How an author expresses mood and feelings <input type="checkbox"/> How your past can influence your life 	<p>Central Idea: Understanding the use of energy and forces can make work easier.</p> <p>Key Concepts: function, form, causation</p> <p>Related Concepts: structure, communication, relationships</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Ways force and weight impact movement <input type="checkbox"/> How gravity affects objects and people <input type="checkbox"/> Friction and its impact on movement 	<p>Central Idea: Location affects how and where people organize communities.</p> <p>Key Concepts: connection, causation, perspective</p> <p>Related Concepts: organization, community, opportunity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Connection between location and communities <input type="checkbox"/> How communities are organized <input type="checkbox"/> Reasons people locate/relocate to an area 	<p>Central Idea: People interact with their environment to meet their needs.</p> <p>Key Concepts: responsibility, function, form</p> <p>Related Concepts: conservation, citizenship, Earth</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Conservation of natural resources (reduce, reuse, recycle) <input type="checkbox"/> Regions provide a variety of resources <input type="checkbox"/> Natural resources provide needs for survival

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Ages 9-10 4th Grade	<p>Central Idea: We are influenced by our journey in the world and are always adding to our life story.</p> <p>Key Concepts: perspective, connection, reflection</p> <p>Related Concepts: diversity, environment</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How our perspective is influenced by where we live <input type="checkbox"/> Opportunities that may occur because of our place in the world <input type="checkbox"/> Changes to our life story after learning about others 	<p>Central Idea: Exploration leads to discovery and develops new understandings.</p> <p>Key Concepts: causation, change, perspective</p> <p>Related Concepts: growth, impact, subjectivity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How new discoveries and understandings come from explorations <input type="checkbox"/> Ways challenges can cause change <input type="checkbox"/> How our world has been impacted by exploration 	<p>Central Idea: Forms of expression are tools for communication.</p> <p>Key Concepts: perspective, form, change</p> <p>Related Concepts: persuasion, observation, location</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How people communicate to express themselves <input type="checkbox"/> How communication may change our perspective <input type="checkbox"/> Ways communication can be adapted to an audience 	<p>Central Idea: People use natural and man-made materials in different ways.</p> <p>Key Concepts: change, causation, function</p> <p>Related Concepts: matter, interaction</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Advancements in technology <input type="checkbox"/> How people interact with the natural world <input type="checkbox"/> How materials change 	<p>Central Idea: The ways in which we are organized are different and can be changed.</p> <p>Key Concepts: function, responsibility, reflection</p> <p>Related Concepts: government, energy, pattern</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How people are organized <input type="checkbox"/> How ideas influence change (both positively and negatively) <input type="checkbox"/> How governments function and impact our world 	<p>Central Idea: People make choices that can impact living things.</p> <p>Key Concepts: responsibility, connection, change</p> <p>Related Concepts: leadership, conflict, cooperation</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The impact of activism <input type="checkbox"/> Responsibility toward living things <input type="checkbox"/> How people initiate change on issues that matter to them

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Ages 10-11 5th Grade	<p>Central Idea: We depend on networks to help us conquer challenges.</p> <p>Key Concepts: form, function, causation</p> <p>Related Concepts: discovery, interdependence, system</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The unique elements that work together to form networks <input type="checkbox"/> How characteristics of networks can determine how problems are solved <input type="checkbox"/> How networks affect each other's outcomes 	<p>Central Idea: We are influenced by our environment and the lives of others.</p> <p>Key Concepts: connection, change, perspective</p> <p>Related Concepts: adaptation, migration, civilization</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Different Influences (environment, communities, cultures, etc.) affect lives over time <input type="checkbox"/> How perspectives are formed/changed by the environment and others <input type="checkbox"/> How the present is connected to the past 	<p>Central Idea: We use creativity to reach an audience.</p> <p>Key Concepts: reflection, perspective, connection</p> <p>Related Concepts: conflict, mood persuasion</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How forms of expression persuade <input type="checkbox"/> Perspectives affect expression of thought <input type="checkbox"/> Creative expression can connect to an audience 	<p>Central Idea: The condition of forces create interactions that affect the world.</p> <p>Key Concepts: causation, change, connection</p> <p>Related Concepts: force, interaction, influence</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How forces impact people and their choices <input type="checkbox"/> Forces affect outcomes <input type="checkbox"/> Cause and effect of forces 	<p>Central Idea: The structure and organization of systems impact its members.</p> <p>Key Concepts: connection, form, perspective</p> <p>Related Concepts: relationships, interdependence, democracy</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Structure and function of systems <input type="checkbox"/> Beliefs affect choices <input type="checkbox"/> Connections between cultures 	<p>Central Idea: Actions can make a difference in conflict and resolution.</p> <p>Key Concepts: responsibility, reflection, change</p> <p>Related Concepts: initiative, application</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> <input type="checkbox"/> How conflicts can be resolved <input type="checkbox"/> Impact actions have on the world <input type="checkbox"/> Role of citizens in conflict and resolution <p style="text-align: center;">EXHIBITION EVENTUALLY</p>