

Bellevue Children's Academy Program of Inquiry 2018-2019

	Pre-K	K	1 st	2 nd	3 rd	4 th	5 th
<p>Who we are 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>All About Me</p> <p>Central Idea: Learning about ourselves helps us learn about others.</p> <p>Key Concepts: Perspective, Form, Connection</p> <p>Related Concepts: identity, relationships, growth</p> <p>Lines of Inquiry: *Our physical characteristics (Form) *Our feelings, likes, and dislikes (Perspective) *Differences and similarities in all of us (Connection)</p>	<p>Relationships</p> <p>Central Idea: Relationships influence our lives.</p> <p>Key Concepts: Reflection, Perspective, Connection</p> <p>Related Concepts: emotions, identity communication</p> <p>Lines of Inquiry: *Families and friends in literature (Connection) *Characteristics that develop healthy friendships (Perspective) *Handling conflicts when they arise (Reflection)</p>	<p>Healthy Me</p> <p>Central Idea: The health of humans involves physical and emotional factors.</p> <p>Key Concepts: Responsibility, Causation, Connection</p> <p>Related Concepts: nutrition, hygiene, fitness, emotions</p> <p>Lines of Inquiry: *Human physical and emotional needs (Connection) *The effect of physical activity, nutrition and sleep on our bodies (Causation) *Developing healthy habits (Responsibility)</p>	<p>World Culture and Traditions</p> <p>Central Idea: People use their senses to interpret identity and cultures.</p> <p>Key Concepts: Form, Connection, Perspective</p> <p>Related Concepts: commonality, unity, expression</p> <p>Lines of Inquiry: *How culture is interpreted through the five senses (Perspective) *How cultural traditions influence a community (Connection) *Personal culture (Form)</p>	<p>Heroes</p> <p>Central Idea: Characteristics of heroes help define individual values.</p> <p>Key Concepts: Form, Causation, Perspective</p> <p>Related Concepts: values, hero, heroine,</p> <p>Lines of Inquiry: *Past and present heroes (Form) *Why values are important (Causation) *Attributes of heroes (Perspective)</p>	<p>Systems</p> <p>Central Idea: Systems interact and function in a dynamic balance.</p> <p>Key Concepts: Form, Function, Connection</p> <p>Related Concepts: consequences, growth, values</p> <p>Lines of Inquiry: *Types of systems (Form) *Function of body systems (Function) *Interdependence of body systems (Connection)</p>	<p>Civil Rights</p> <p>Central Idea: Citizens affect the way power is used in their society.</p> <p>Key Concepts: Perspective, Change, Responsibility</p> <p>Related Concepts: governance, justice, force</p> <p>Lines of Inquiry: *Change through non-violence (Change) *Responsibility and choice (Responsibility) *Balance of power (Perspective)</p>
<p>Where we are in place and time 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>	N/A	<p>Solar System</p> <p>Central Idea: Our solar system is made up of different planets with their own characteristics.</p> <p>Key Concepts: Form, Connection, Function</p> <p>Related Concepts: space, solar system, discovery</p> <p>Lines of Inquiry: *Characteristics of the solar system (Form) *The relationship between the sun, moon, and each planet (Connection) *Types of space exploration (Function)</p>	<p>Inventions</p> <p>Central Idea: Inventions influence individuals and communities over time.</p> <p>Key Concepts: Causation, Change, Reflection</p> <p>Related Concepts: technology, innovation, invention</p> <p>Lines of Inquiry: *The motivations for inventing (Causation) *The impact of inventions on people (Reflection) *How and why inventions have changed over time (Change)</p>	<p>Technology and Tools</p> <p>Central Idea: Technology and tools help people discover the world.</p> <p>Key Concepts: Form, Function, Connection</p> <p>Related Concepts: technology, exploration transformation</p> <p>Lines of Inquiry: *Properties of simple machines (Form) *How explorers utilize tools to discover the world (Connection) *The impact of tools and machines on daily life over time (Function)</p>	<p>Journeys</p> <p>Central Idea: Journeys lead to changes and challenges.</p> <p>Key Concepts: Connection, Change, Causation</p> <p>Related Concepts: impact, motivation, knowledge</p> <p>Lines of Inquiry: *Motivating factors of journeys (Connection) *Challenges of journeys (Causation) *How journeys have changed over time (Change)</p>	<p>Migration</p> <p>Central Idea: Experiences and opportunities lead to migration.</p> <p>Key Concepts: Perspective, Causation, Change</p> <p>Related Concepts: migration, settlement, survival</p> <p>Lines of Inquiry: *Causes and effects of migration (Causation) *Experiences of people who migrate (Perspective) *How migrations change lives and landscapes (Change)</p>	<p>Ancient Civilizations</p> <p>Central Idea: Aspects of ancient civilizations impact and influence daily life.</p> <p>Key Concepts: Form, Function, Connection</p> <p>Related Concepts: civilization, history, technology</p> <p>Lines of Inquiry: *Artifacts, discoveries, and social systems of ancient civilizations (Form) *Ways ancient civilizations contributed to life today (Connection) *Ways in which people find out about the past (Function)</p>

<p>How we express ourselves 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>Express Yourself Central Idea: Humans express their ideas, feelings and values in a variety of ways. Key Concepts: Perspective, Reflection Responsibility Related Concepts: choice, expression, communication Lines of Inquiry: *Expression through many different forms (Perspective) *Sharing and reflecting ideas and feelings (Reflection) *Using purposeful language and action to communicate with others (Responsibility)</p>	<p>World Music and Art Central Idea: People celebrate and express their culture with music and art. Key Concepts: Form, Connection, Perspective Related Concepts: culture, creativity, tradition Lines of Inquiry: *The art and music of different cultures (Form) *Comparing our art and music to other cultures (Connection) *Honoring artistic expression across cultures (Perspective)</p>	<p>Indigenous Communities Central Idea: Indigenous people explain the world through art and stories. Key Concepts: Connection, Form, Perspective Related Concepts: culture, communication, environment Lines of Inquiry: *Methods indigenous people share art and stories (Form) *Messages within art and storytelling (Perspective) *Influence of indigenous people (Connection)</p>	<p>Symbols Central Idea: Symbols are designed to represent ideas. Key Concepts: Perspective, Function, Form Related Concepts: symbol, symbolism, poetry Lines of Inquiry: *The purpose of symbols (Function) *Symbolism in poetry and literature (Form) *Interpretations of symbols (Perspective)</p>	<p>Marketing Central Idea: Marketing influences the decisions people make. Key Concepts: Causation, Form, Function Related Concepts: psychology, emotions, advertising Lines of Inquiry: *Types of marketing (Form) *Psychology of marketing (Causation) *How the brain influences emotions (Function)</p>	<p>Structures Central Idea: Structures are cultural expressions. Key Concepts: Form, Function, Perspective Related Concepts: aesthetic, structure, identity Lines of Inquiry: *Diversity of structures (Form) *Significance of structures (Function) *Aesthetics of structures (Perspective)</p>	<p>Capstone Project Central Idea: People's beliefs influence their behavior. Key Concepts: Perspective, Causation, Responsibility Related Concepts: beliefs, commonality, comparison Lines of Inquiry: *Beliefs and values influencing people's identity (Causation) *Expressing our belief system (Perspective) *Rights and responsibilities as we interact with others (Responsibility)</p>
<p>How the world works 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; and the impact of scientific and technological advances on society and on the environment.</p>	<p>The World Around Us Central Idea: The natural world can be used by humans. Key Concepts: Change, Function, Form Related Concepts: energy, discovery, adaptation Lines of Inquiry: *How humans use the natural world (Change) *How humans use energy (Function) * Characteristics of the natural world (Form)</p>	<p>Conservation Central Idea: Conservation impacts the environment and society. Key Concepts: Causation, Responsibility, Form Related Concepts: sustainability, environment, survival Lines of Inquiry: *How we reduce, reuse, recycle (Form) *Human impact on the planet (Causation) *Choices we can make to help the environment (Responsibility)</p>	<p>Weather Central Idea: By understanding weather and climate, people can predict and prepare for it. Key Concepts: Form, Function, Causation Related Concepts: cycles, patterns, systems Lines of Inquiry: *Climate and daily weather patterns (Form) *How we observe, measure, and predict weather (Function) *How weather affects human activity (Causation)</p>	<p>Electricity Central Idea: People transform and use energy in various ways. Key Concepts: Form, Function, Responsibility Related Concepts: magnetism, electricity, resources Lines of Inquiry: *Properties of electricity and magnetism (Form) *How circuits work (Function) *Human uses of energy and its effect (Responsibility)</p>	<p>Plants Central Idea: Plants have specific needs in order to grow and stay healthy. Key Concepts: Causation, Form, Change Related Concepts: germination, pollination, photosynthesis Lines of Inquiry: *Characteristics of seeds (Form) *The life cycle of plants (Change) *The effect of environmental conditions on plant growth (Causation)</p>	<p>Energy Central Idea: Energy supports human progress. Key Concepts: Form, Function, Responsibility Related Concepts: distribution, interaction, energy Lines of Inquiry: *Uses of energy (Function) *Renewable and non-renewable energy (Form) *Sharing resources (Responsibility)</p>	<p>DNA and Genetics Central Idea: Natural guidelines influence human experiences. Key Concepts: Connection, Form, Responsibility Related Concepts: system, identity, order Lines of Inquiry: *Characteristics of DNA and genetics (Form) *Nature vs. nurture (Connection) *Society's responsibility to the health of others. (Responsibility)</p>

<p>How we organize ourselves 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>N/A</p>	<p>Neighborhood and Communities</p> <p>Central Idea: People live and work together in organized communities.</p> <p>Key Concepts: Form, Function, Responsibility</p> <p>Related Concepts: roles, identity, community</p> <p>Lines of Inquiry: *The organization of a community (Form) *Mapping as a tool for communities (Function) *The roles of people and places in a community (Responsibility)</p>	<p>Mapping</p> <p>Central Idea: People develop and use maps to understand the world.</p> <p>Key Concepts: Form, Function, Change</p> <p>Related Concepts: navigation, grid, symbols</p> <p>Lines of Inquiry: *Types of maps and their features (Form) *Using and interpreting maps (Function) *How maps have changed over time (Change)</p>	<p>Earth's Structure and Landforms</p> <p>Central Idea: Natural elements affect communities.</p> <p>Key Concepts: Form, Causation, Connection</p> <p>Related Concepts: industry, landforms, organization</p> <p>Lines of Inquiry: *Features of landforms (Form) *The impact of natural disasters (Connection) *How location affects industry (Causation)</p>	<p>Government</p> <p>Central Idea: Societies have governments that influence the lives of citizens.</p> <p>Key Concepts: Form, Function, Responsibility</p> <p>Related Concepts: organization, roles, balance</p> <p>Lines of Inquiry: *Different types of governments (Form) *Function of governments (Function) *Responsibility and roles within a governmental system (Responsibility)</p>	<p>Economics</p> <p>Central Idea: Resources impact economic growth and society.</p> <p>Key Concepts: Form, Connection, Causation</p> <p>Related Concepts: distribution, interdependence, sustainability</p> <p>Lines of Inquiry: *System of exports and imports (Form) *How resources drive economic impact (Connection) *The effect of supply and demand on society (Causation)</p>	<p>Entrepreneurship and Engineering</p> <p>Central Idea: Innovation and entrepreneurship stem from societal needs.</p> <p>Key Concepts: Connection, Function, Reflection</p> <p>Related Concepts: design, cycle, entrepreneurship</p> <p>Lines of Inquiry: *Maslow's Hierarchy of Needs (Connection) *The design cycle (Reflection) *How needs are created (Function)</p>
<p>Sharing the planet 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>The Planet We Share</p> <p>Central Idea: All living things are connected to each other.</p> <p>Key Concepts: Form, Responsibility, Causation</p> <p>Related Concepts: cycle, environment, nature</p> <p>Lines of Inquiry: *Characteristics of living things (Form) *How the actions of living things affect the environment (Causation) *Protection of living things (Responsibility)</p>	<p>Animals</p> <p>Central Idea: Animals have specific needs for survival.</p> <p>Key Concepts: Change, Responsibility, Function</p> <p>Related Concepts: adaptation, survival, habitat</p> <p>Lines of Inquiry: *Animal classification (Form) *Our responsibility towards animals and nature (Responsibility) *How biomes and adaptations support life (Function)</p>	<p>Plants</p> <p>Central Idea: Plants are a natural resource and serve a purpose in our lives.</p> <p>Key Concepts: Responsibility, Function, Connection</p> <p>Related Concepts: sustainability, role, change</p> <p>Lines of Inquiry: *Structures/classifications of plants (Form) *How plants contribute to life on Earth (Connection) *Human impact on natural resources (Responsibility)</p>	<p>Adaptation</p> <p>Central Idea: Living things adapt in order to survive.</p> <p>Key Concepts: Change, Reflection, Responsibility</p> <p>Related Concepts: adaptation, relationship, environment</p> <p>Lines of Inquiry: *Animal adaptations (Change) *Ways living things and the environment respond to change (Reflection) *Human responsibility to preserve the environment (Responsibility)</p>	<p>Peace and Conflict</p> <p>Central Idea: Peace and conflict impacts human lives.</p> <p>Key Concepts: Perspective, Form, Reflection</p> <p>Related Concepts: resolution, dispute, negotiation</p> <p>Lines of Inquiry: *Types of conflicts (Form) *Causes of conflict (Resolution) *Conflict resolution (Reflection)</p>	<p>Inventions</p> <p>Central Idea: Scientific discoveries and technological advances change our daily lives.</p> <p>Key Concepts: Causation, Reflection, Responsibility</p> <p>Related Concepts: cooperation, adaptation, transformation</p> <p>Lines of Inquiry: *The design process (Reflection) *Influence of science and technology (Causation) *Using inventions to help others (Responsibility)</p>	<p>Ecosystems and Chemistry</p> <p>Central Idea: The balance of Earth's ecosystems can be impacted by human interaction with the environment.</p> <p>Key Concepts: Causation, Function, Change</p> <p>Related Concepts: humanity, justice, access</p> <p>Lines of Inquiry: *Implication of molecular behavior (Function) *The role and effect of humans on the environment (Causation) *Importance of balance in natural cycles (Change)</p>