

Bellevue Children's Academy Program of Inquiry 2017-2018

	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: An awareness of yourself develops an awareness of 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>Human Interactions</p> <p>Central Idea: Making and keeping relationships are important to our lives and our connection with others.</p> <p>Key Concepts: Reflection, Perspective, Connection</p> <p>Related Concepts: values, character, 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</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 & Traditions</p> <p>Central Idea: People interpret culture and the world through their senses.</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>Body Systems</p> <p>Central Idea: Body systems interact and function in a dynamic balance.</p> <p>Key Concepts: Connection, Function, Form</p> <p>Related Concepts: systems, structure, interdependence</p> <p>Lines of Inquiry: *Types and functions of body systems (Function) *Structure of different body systems (Form) *The interdependence of body systems (Connection)</p>	<p>Nutrition and Self</p> <p>Central Idea: People make nutritional choices that affect their daily lives.</p> <p>Key Concepts: Causation, Function, Responsibility</p> <p>Related Concepts: consequences, growth, values</p> <p>Lines of Inquiry: *The components of a healthy diet (Function) *How healthy/unhealthy nutrition choices affect our bodies (Causation) *Our responsibility to make healthy food choices (Responsibility)</p>	<p>Civil Rights</p> <p>Central Idea: Citizens affect the way power is used in their society.</p> <p>Key Concepts: Perspective, Causation, Responsibility</p> <p>Related Concepts: governance, justice, force</p> <p>Lines of Inquiry: *Human conflict and resolution (Causation) *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>Simple Machines</p> <p>Central Idea: Simple machines help us explore, work, survive, and adapt to the world around us.</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>Exploration</p> <p>Central Idea: Exploration leads to discovery and can bring about change.</p> <p>Key Concepts: Function, Responsibility, Causation</p> <p>Related Concepts: impact, motivation, knowledge</p> <p>Lines of Inquiry: *Motivating factors for exploration (Responsibility) *Consequences of exploration (Causation) *What we can learn through exploration (Function)</p>	<p>Migration</p> <p>Central Idea: Challenges, risks, and experiences lead to migration.</p> <p>Key Concepts: Connection, Causation, Change</p> <p>Related Concepts: migration, opportunity, survival</p> <p>Lines of Inquiry: *Personal history of migration (Connection) *Causes and effects of migration (Causation) *Migration patterns (Change)</p>	<p>Ancient Civilizations</p> <p>Central Idea: Aspects of ancient civilizations influence and impact modern 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 (Connect.) *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</p> <p>Central Idea: Humans express their ideas, feelings and values in a variety of ways.</p> <p>Key Concepts: Perspective, Reflection Responsibility</p> <p>Related Concepts: voice, choice, expression</p> <p>Lines of Inquiry: *Expression through many different forms (Perspective) *Sharing and reflecting on our ideas and feelings. (Reflection) *Using purposeful language and action to communicate with others. (Responsibility)</p>	<p>Cultural Expression: Music and Visual Arts</p> <p>Central Idea: People express culture and beliefs through the arts.</p> <p>Key Concepts: Connection, Perspective, Responsibility</p> <p>Related Concepts: culture, creativity, tradition</p> <p>Lines of Inquiry: *Respecting a culture's traditions (Responsibility) *Comparing and contrasting our traditions to other people's traditions (Connection) *Interpreting artistic expression across cultures (Perspective)</p>	<p>Indigenous Communities</p> <p>Central Idea: Indigenous people explain the world around them through art and stories.</p> <p>Key Concepts: Connection, Form, Perspective</p> <p>Related Concepts: culture, communication, environment</p> <p>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</p> <p>Central Idea: Symbols are designed to represent and express culture, ideas, & beliefs.</p> <p>Key Concepts: Perspective, Function, Reflection</p> <p>Related Concepts: identity, symbol, design</p> <p>Lines of Inquiry: *The purpose of symbols (Function) *Interpretations and perspectives of symbols (perspective) *Design process for making a symbol (Reflection)</p>	<p>Marketing</p> <p>Central Idea: Marketing influences the decisions people make.</p> <p>Key Concepts: Causation, Reflection, Form</p> <p>Related Concepts: design, aesthetic, communication</p> <p>Lines of Inquiry: *Types of marketing (Form) *Effective marketing (Causation) *Engineering design process (Reflection)</p>	<p>Structures of Beauty and Strength</p> <p>Central Idea: Structures are cultural expressions that connect to heritage and environment.</p> <p>Key Concepts: Form, Function, Perspective</p> <p>Related Concepts: aesthetic, structure, identity</p> <p>Lines of Inquiry: *Diversity of structures (Form) *Significance of structures (Function) *Recognizing and valuing cultural heritage (Perspective)</p>	<p>Capstone Project</p> <p>Central Idea: People's beliefs influence their behavior.</p> <p>Key Concepts: Perspective, Causation, Responsibility</p> <p>Related Concepts: beliefs, commonality, comparison</p> <p>Lines of Inquiry: *Beliefs and values influencing people's identity (Reflection) *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</p> <p>Central Idea: The natural world can be utilized by humans.</p> <p>Key Concepts: Change, Function, Form</p> <p>Related Concepts: energy, discovery, adaptation</p> <p>Lines of Inquiry: *How humans use the natural world (Change) *How humans use energy (Function) * Characteristics of the natural world (Form)</p>	<p>Conservation</p> <p>Central Idea: Conservation impacts the environment and society.</p> <p>Key Concepts: Causation, Responsibility, Form</p> <p>Related Concepts: sustainability, environment, survival</p> <p>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>States of Matter</p> <p>Central Idea: Matter exists in different forms and can undergo changes.</p> <p>Key Concepts: Form, Function, Change</p> <p>Related Concepts: transformation, process, structure</p> <p>Lines of Inquiry: *The properties of matter (Form) *How the world is made up of matter (Function) *How we can change one state of matter to another (Change)</p>	<p>Electricity</p> <p>Central Idea: We transform and use energy in various ways.</p> <p>Key Concepts: Form, Function, Responsibility</p> <p>Related Concepts: magnetism, electricity, resources</p> <p>Lines of Inquiry: *Properties of electricity and magnetism (Form) *How circuits work (Function) *human uses of energy and its effect (Responsibility)</p>	<p>Plants</p> <p>Central Idea: Plants have specific needs in order to grow and stay healthy.</p> <p>Key Concepts: Causation, Form, Change</p> <p>Related Concepts: germination, pollination, photosynthesis</p> <p>Lines of Inquiry: *Characteristics of seeds (Form) *The life cycle of plants (Change) *The effect of environmental conditions on plant growth (Causation)</p>	<p>Inventions</p> <p>Central Idea: Scientific discoveries and technological advances can change our daily lives.</p> <p>Key Concepts: Function, Causation, Reflection</p> <p>Related Concepts: cooperation, adaptation, transformation</p> <p>Lines of Inquiry: *The engineering design process (Reflection) *Influence of science and technology (Causation) *The need for inventions (Function)</p>	<p>DNA and Genetics</p> <p>Central Idea: Natural guidelines influence human experiences.</p> <p>Key Concepts: Causation, Form, Responsibility</p> <p>Related Concepts: system, identity, order</p> <p>Lines of Inquiry: *Characteristics of DNA and genetics (Form) *Nature vs. nurture (Causation) *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 Community</p> <p>Central Idea: People live and work together in organized communities.</p> <p>Key Concepts: Form, Function, Responsibility</p> <p>Related Concepts: roles, structure, community</p> <p>Lines of Inquiry: *Services provided by community members (Function) *Human responsibilities within a community (Responsibility) *The organization of a community (Form)</p>	<p>Weather</p> <p>Central Idea: Weather affects where people live and visit.</p> <p>Key Concepts: Function, Causation, Connection</p> <p>Related Concepts: cycles, patterns, systems</p> <p>Lines of Inquiry: *Climate patterns around the world (Causation) *The instruments used to measure and predict weather (Function) *How human actions are connected to weather (Connection)</p>	<p>Earth's Structure and Landforms</p> <p>Central Idea: The organization of communities is affected by natural elements.</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) *Location affects community development and 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: *Function of governments (Function) *Different types of governments (Form) *Responsibility and roles within a governmental system (Responsibility)</p>	<p>Economic Impact</p> <p>Central Idea: Resources impact economic growth and society.</p> <p>Key Concepts: Connection, Form, Causation</p> <p>Related Concepts: distribution, interdependence, sustainability</p> <p>Lines of Inquiry: *System of exports and imports (Form) *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 entrepreneurs create needs (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 an interdependent relationship with people and other animals of the world.</p> <p>Key Concepts: Form, Responsibility, Change</p> <p>Related Concepts: adaptation, survival, habitat</p> <p>Lines of Inquiry: *Animal life cycles (Change) *Animal classification (Form) *Habitats around the world (Form) *Human's responsibility to protect animal habitats (Responsibility)</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 share resources and adapt in order to survive in their environment.</p> <p>Key Concepts: Change, Reflection, Responsibility</p> <p>Related Concepts: adaptation, relationship, environment</p> <p>Lines of Inquiry: *Changing habitats and animal adaptations (Change) *Ways living things respond to environmental changes (Reflection) *Human responsibility to share the environment with other living things (Responsibility)</p>	<p>Ecotourism</p> <p>Central Idea: Tourism impacts environments and communities.</p> <p>Key Concepts: Connection, Causation, Responsibility</p> <p>Related Concepts: environment, consequences, interactions</p> <p>Lines of Inquiry: *The impact of tourism on the environment (Causation) *The influence of culture on tourism (Connection) *The responsibility of tourists (Responsibility)</p>	<p>Energy</p> <p>Central Idea: Energy may be converted, transformed and used to support human progress.</p> <p>Key Concepts: Form, Function, Responsibility</p> <p>Related Concepts: distribution, interaction, energy</p> <p>Lines of Inquiry: *Conservation of energy (Function) *Renewable and non-renewable energy (Form) *Sharing finite resources (Responsibility)</p>	<p>Ecosystems and Chemistry</p> <p>Central Idea: Observable laws of nature help understand natural phenomena.</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>