

# Kehoe-France Northshore's PYP Programme of Inquiry 2019-2020

Grade Age	Who We Are <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>	Where We Are In Place and Time <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>	How We Express Ourselves <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>	How the World Works <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>	How We Organize Ourselves <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>	Sharing the Planet <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>
PreK-3 3-4	<p><b>Central Idea:</b> Living things utilize senses in order to explore the world around them.</p> <p><b>Key Concepts:</b> form, function, connection</p> <p><b>Related Concepts:</b> properties, role, interaction</p> <p><b>Lines of Inquiry:</b> * Using senses to explore the world * Parts of the body * Comparing animal and human senses</p>		<p><b>Central Idea:</b> Individuals utilize artistic expression to explore their creativity, ideas, or feelings.</p> <p><b>Key Concepts:</b> form, connection, perspective</p> <p><b>Related Concepts:</b> description, relationships, opinion, repetition, rhythm</p> <p><b>Lines of Inquiry:</b> * Exploring the meaning of visual art * Materials used to create art * Using art to express oneself</p>	<p><b>Central Idea:</b> Living things use resources in order to grow and sustain life.</p> <p><b>Key Concepts:</b> change, causation, function</p> <p><b>Related Concepts:</b> cycle, consequences, properties</p> <p><b>Lines of Inquiry:</b> * Purpose of each part of a plant * The needs of a plant * Characteristics in the stages of growth of a plant</p>		<p><b>Central Idea:</b> Individuals can protect the environment in which they live.</p> <p><b>Key Concepts:</b> responsibility, causation, function</p> <p><b>Related Concepts:</b> initiative, consequences, system</p> <p><b>Lines of Inquiry:</b> * Protecting the environment * Various Items for recycling * How to reduce garbage in landfills</p>
PreK-4 4-5	<p><b>Central Idea:</b> Personal choices influence health and safety.</p> <p><b>Key Concepts:</b> causation, responsibility</p> <p><b>Related Concepts:</b> consequences, growth</p> <p><b>Lines of Inquiry:</b> * How foods affect our bodies * Taking care of our bodies * Making safe choices</p>		<p><b>Central Idea:</b> Expression of feelings and emotions determine personal interactions.</p> <p><b>Key Concepts:</b> perspective, connection</p> <p><b>Related Concepts:</b> opinion, interpretation, behavior</p> <p><b>Lines of Inquiry:</b> * Experiencing emotions * Different ways we show our feelings * Recognizing and acknowledging others' feelings</p>	<p><b>Central Idea:</b> Living things possess needs.</p> <p><b>Key Concepts:</b> responsibility, function</p> <p><b>Related Concepts:</b> similarities and differences, behavior</p> <p><b>Lines of Inquiry:</b> * Why we care for living things * Similar needs of living things * Specific needs of particular living things * Reasons living things have different needs</p>	<p><b>Central Idea:</b> Patterns repeat in predictable ways.</p> <p><b>Key Concepts:</b> form, change, connection</p> <p><b>Related Concepts:</b> patterns, cycles, sequences</p> <p><b>Lines of Inquiry:</b> * Predictable patterns * Types of patterns * Investigating patterns in our lives</p>	

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<b>KDG.</b> <b>5-6</b>	<p><b>Central Idea:</b> Healthy relationships in a community bring about positive change.</p> <p><b>Key Concepts:</b> change, causation, connection</p> <p><b>Related Concepts:</b> community, interaction, interdependence</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Building positive relationships</li> <li>* Reasons for helping others</li> <li>* Planning for change</li> </ul>		<p><b>Central Idea:</b> Expressing and sharing ideas leads to new discoveries.</p> <p><b>Key Concepts:</b> function, form, perspective</p> <p><b>Related Concepts:</b> communication, genre</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Types of communication</li> <li>* Expressing creativity</li> <li>* Understanding others' ideas</li> </ul>		<p><b>Central Idea:</b> *Communities work when members follow shared rules and routines.</p> <p><b>Key Concepts:</b> causation, responsibility</p> <p><b>Related Concepts:</b> community, cooperation</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Importance of rules and laws</li> <li>* Being a good citizen in your community</li> <li>* Rights and responsibilities</li> </ul>	<p><b>Central Idea:</b> *Earth's resources produce and provide food.</p> <p><b>Key Concepts:</b> function, form, change</p> <p><b>Related Concepts:</b> cause and effect, interdependence</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Jobs of a farmer</li> <li>* Plants and animals as food</li> <li>* Caring for Earth's resources</li> </ul>
<b>1<sup>st</sup></b> <b>6-7</b>	<p><b>Central Idea:</b> Friends and family can shape the people we become.</p> <p><b>Key Concepts:</b> form, connection, perspective</p> <p><b>Related Concepts:</b> relationships, change, diversity</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Celebrating family traditions</li> <li>* Differences in families</li> <li>* Qualities of a good friend</li> </ul>	<p><b>Central Idea:</b> Maps and globes can help us explore communities and the world.</p> <p><b>Key Concepts:</b> function, causation, change</p> <p><b>Related Concepts:</b> form, systems, civilization</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Purposes of maps and globes</li> <li>* Different types of maps</li> <li>* How maps and globes help people</li> </ul>	<p><b>Central Idea:</b> Signs and symbols help aid communication.</p> <p><b>Key Concepts:</b> form, causation</p> <p><b>Related Concepts:</b> expression, communication, system</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Types of signs and symbols</li> <li>* Reasons for signs and symbols</li> <li>* Features used to communicate</li> </ul>	<p><b>Central Idea:</b> Investigating the Solar System leads us to an understanding of life on Earth.</p> <p><b>Key Concepts:</b> function, connection, causation</p> <p><b>Related Concepts:</b> systems, patterns, space and time</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* The dynamics of planets, moons, stars, and the importance of gravity</li> <li>* The Earth's movement relative to the sun</li> <li>* Movement and phases of the moon</li> <li>* Scientists and machines that explore space</li> </ul>	<p><b>Central Idea:</b> Members of a community work together to meet a common goal.</p> <p><b>Key Concepts:</b> connection, responsibility</p> <p><b>Related Concepts:</b> populations, interaction, interdependence</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Communities and their interconnectedness</li> <li>* Communities we belong to</li> <li>* Roles of people in a community</li> </ul>	<p><b>Central Idea:</b> Plants and animals in a habitat depend on one another to survive and grow.</p> <p><b>Key Concepts:</b> form, responsibility, change</p> <p><b>Related Concepts:</b> structure, adaptation, impact</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Types of living things and their needs</li> <li>* Life cycles of living things</li> <li>* Human responsibility to care for the Earth</li> </ul>

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<p><b>2nd 7-8</b></p>	<p><b>Central Idea:</b> Understanding cultural similarities and differences can diversify thinking and attitudes.</p> <p><b>Key Concepts:</b> form, perspective, connection</p> <p><b>Related Concepts:</b> culture, diversity, interaction, point of view, beliefs and values</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Understanding cultural similarities and differences</li> <li>* Different ways people learn their culture</li> <li>* Being valued and respected in a community</li> </ul>	<p><b>Central Idea:</b> Colonization creates change and conflict.</p> <p><b>Key Concepts:</b> form, change, causation</p> <p><b>Related Concepts:</b> civilization, beliefs, population, migration</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Similarities and differences among Native Americans</li> <li>* Effects of colonization on Native Americans</li> <li>* Migration and colonization of people</li> </ul>	<p><b>Central Idea:</b> Poetry expresses ideas which provides ways to communicate and connects people.</p> <p><b>Key Concepts:</b> perspective, connection</p> <p><b>Related Concepts:</b> style, creativity, communication, patterns, theme, point of view</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Styles of poetry</li> <li>* Differences in interpretation of poetry</li> <li>* Purposes for writing a poem</li> </ul>	<p><b>Central Idea:</b> The understanding of matter can inform and help us discover our world.</p> <p><b>Key Concepts:</b> function, change, form</p> <p><b>Related Concepts:</b> cause and effect, cycles, interactions</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Differences in states of matter</li> <li>* Structure and properties of matter</li> <li>* Reversible and irreversible changes in states of matter</li> </ul>	<p><b>Central Idea:</b> Systems connect people and societies.</p> <p><b>Key Concepts:</b> function, causation, change</p> <p><b>Related Concepts:</b> systems, change/continuity, migration</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Different types and uses of transportation</li> <li>* Changes in transportation</li> <li>* How and why people, food, and products move from place to place</li> </ul>	<p><b>Central Idea:</b> Equal opportunities can dictate people's lifestyles.</p> <p><b>Key Concepts:</b> responsibility, causation</p> <p><b>Related Concepts:</b> cause and effect, impact, initiative, evidence</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Importance of water as a resource</li> <li>* Availability of fresh drinking water in the world</li> <li>* Possible causes and solutions of the water crisis around the world</li> </ul>

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<b>3rd 8-9</b>	<p><b>Central Idea:</b> Systems function together to maintain balance.</p> <p><b>Key Concepts:</b> function, responsibility, connection</p> <p><b>Related Concepts:</b> systems, change, cause and effect</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* The structure and function of systems</li> <li>* Physical traits inherited through genes</li> <li>* Maintaining a healthy mind and body</li> </ul>	<p><b>Central Idea:</b> Explorers changed the way we live today.</p> <p><b>Key Concepts:</b> form, change, causation</p> <p><b>Related Concepts:</b> immigration, diversity</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Human exploration over time</li> <li>* Human circumstances that lead to exploration</li> <li>* Consequences of explorations</li> </ul>	<p><b>Central Idea:</b> Carnival can be expressed and celebrated in many different ways around the world.</p> <p><b>Key Concepts:</b> form, change, causation</p> <p><b>Related Concepts:</b> beliefs and values, culture, expression</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Different ways cultures celebrate carnival</li> <li>* Reasons carnival is celebrated</li> <li>* Changes in carnival over time</li> <li>* Customs and traditions of carnival</li> </ul>	<p><b>Central Idea:</b> Understanding factors cause predictions.</p> <p><b>Key Concepts:</b> function, causation, form</p> <p><b>Related Concepts:</b> cause and effect, cycles, patterns</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Causes of weather</li> <li>* Factors that affect weather</li> <li>* How we measure and monitor weather</li> <li>* Ways to prepare for extreme weather</li> </ul>	<p><b>Central Idea:</b> Networks of goods and services meet the needs of a community.</p> <p><b>Key Concepts:</b> function, responsibility, connection</p> <p><b>Related Concepts:</b> operation, value, interactions</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* The production and exchange of goods and services</li> <li>* The elements that form a marketplace and the organization of economic systems</li> <li>* How to market a product or service</li> <li>* The difference between needs and wants</li> </ul>	<p><b>Central Idea:</b> Actions alter survival.</p> <p><b>Key Concepts:</b> perspective, responsibility</p> <p><b>Related Concepts:</b> interactions, population</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* How people or nature impact animal habitats</li> <li>* Our responsibility in preserving animal lives</li> <li>* How living things adapt to survive in an environment and coexist with each other</li> </ul>

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<b>4<sup>th</sup></b> <b>9-10</b>	<p><b>Central Idea:</b> Leadership can improve communities.</p> <p><b>Key Concepts:</b> responsibility, form, change</p> <p><b>Related Concepts:</b> character, cause and effect, beliefs and values</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Qualities and responsibilities of a leader</li> <li>* Rights and responsibilities of active leadership</li> <li>* Leaders and citizens who change(d) their community</li> </ul>	<p><b>Central Idea:</b> History and journeys connect individuals.</p> <p><b>Key Concepts:</b> connection, perspective</p> <p><b>Related Concepts:</b> cause and effect, migration, immigration</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Personal stories, relationships and understanding from one person to another</li> <li>* Movement of people over time</li> <li>* Hardships and successes of settlement</li> </ul>	<p><b>Central Idea:</b> Different ways of communicating promotes understanding.</p> <p><b>Key Concepts:</b> function, perspective, connection</p> <p><b>Related Concepts:</b> form, point of view, audience</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Importance of communication</li> <li>* Ways we communicate</li> <li>* Understanding different forms of communication</li> </ul>	<p><b>Central Idea:</b> Innovative thinking leads to change.</p> <p><b>Key Concepts:</b> causation, change</p> <p><b>Related Concepts:</b> model, theory, replication</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Definition of innovation and what causes it</li> <li>* Major inventions and how the changed society</li> <li>* Impact of technology (both positive and negative) on everyday life</li> </ul>	<p><b>Central Idea:</b> Structure in society provides organization.</p> <p><b>Key Concepts:</b> function, responsibility, form</p> <p><b>Related Concepts:</b> systems, interaction, conflict, cooperation</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* The voting process to elect officials</li> <li>* Different types of governments</li> <li>* Branches of government</li> </ul>	<p><b>Central Idea:</b> Uses of resources causes change.</p> <p><b>Key Concepts:</b> causation, function, responsibility</p> <p><b>Related Concepts:</b> interaction, cause and effect</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>* Renewable and nonrenewable resources</li> <li>* Human use and dependence on energy</li> <li>* The use of natural resources affects the environment</li> </ul>