

PYP Program of Inquiry
Global Primary Academy (PK-3) / Global Intermediate Academy (4-6)

	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
Trans-disciplinary Theme	<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 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>
PK	<p>Central Idea People grow and change over time.</p> <p>Key Concepts: change, connection, reflection</p> <p>Related Concepts: relationships, growth</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • How people change • Important events in our past • Past and present 	<p>Central Idea Physical space is organized and connects us to the world.</p> <p>Key Concepts: form, perspective</p> <p>Related Concepts: relationships, interconnectedness</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Space and place • Spatial relationships • Organization of space 	<p>Central Idea Music helps us express our feelings in many ways.</p> <p>Key Concepts: function, perspective</p> <p>Related Concepts: point of view, connection</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Identifying basic feelings of self and others • How music can bring out feelings • How senses can be used to identify feelings • Safe ways to express feelings 	<p>Central Idea The world is full of natural patterns that are predictable.</p> <p>Key Concepts: causation, change, form</p> <p>Related Concepts: cycles, patterns</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • basic needs for survival • how living things develop in predictable patterns • Patterns of night, day, and seasons 	<p>Central Idea People have jobs to help others.</p> <p>Key Concepts: responsibility, function</p> <p>Related Concepts: connection</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Jobs and how they might look in different countries • Consequences of not working • How specific jobs help people • Tools that people use for particular jobs 	<p>Central Idea The earth has natural resources that are used and affect how we live.</p> <p>Key Concepts: form, responsibility</p> <p>Related Concepts: cause and effect</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Renewable resources • Natural resources • Preserving natural resources
K	<p>Central Idea Rules and responsibilities help make a community.</p> <p>Key Concepts: connection, responsibility</p> <p>Related Concepts: character, structure</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Why communities need rules to function • How everyone has responsibilities within a community • How exhibiting the traits of the learner profile helps build a community • Different authority figures 	<p>Central Idea Time and change help us understand the world around us.</p> <p>Key Concepts: connection, change</p> <p>Related Concepts: growth, historical</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Personal and historical growth and change over time • Important events in our lives • Memories from the past 	<p>Central Idea An author’s knowledge and experiences influence how stories are created.</p> <p>Key Concepts: causation, perspective</p> <p>Related Concepts: connection, point of view</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Individual experiences • Different authors’ styles and formats • How authors entertain 	<p>Central Idea Animals have different physical characteristics and move in different ways.</p> <p>Key Concepts: form, function</p> <p>Related Concepts: movement</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Animal movements: fast/slow • Different animal groups • The physical features of animals 	<p>Central Idea People belong to diverse groups and settings that are connected through needs.</p> <p>Key Concepts: connection, reflection</p> <p>Related Concepts: culture, geography</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Maps and globes • Wants and needs • Cultural similarities 	<p>Central Idea Living things need the sun to survive.</p> <p>Key Concepts: function, form</p> <p>Related Concepts: cycle, change</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Function of the sun • How plants grow • How the sun affects living things and the earth • Blocked sunlight

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1	<p>Central Idea Knowing about yourself helps one connect to others.</p> <p>Key Concepts: connection, function, responsibility</p> <p>Related Concepts: cooperation, identity</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Commonalities ● Personal commitments that benefit all members of the group ● An appreciation for self and others 	<p>Central Idea People use geographic terms, tools, and technology to connect to the world.</p> <p>Key Concepts: change, form, function</p> <p>Related Concepts: connection, location</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● The use of geographic tools ● How maps are connected to the world ● How maps have changed over time (technology) 	<p>Central Idea People celebrate family and cultural traditions throughout the year.</p> <p>Key Concepts: connection, form, perspective</p> <p>Related Concepts: culture, diversity</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Patriotic symbols ● Family traditions and celebrations around the world ● Festivities throughout the year 	<p>Central Idea Everything around us is matter and has different properties that can change.</p> <p>Key Concepts: form, change</p> <p>Related Concepts: causation, cycles</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Earth's materials ● Properties of matter ● How matter changes from one state to another ● How the world is made of matter 	<p>Central Idea People work to produce goods and services and to receive an income.</p> <p>Key Concepts: responsibility, reflection</p> <p>Related Concepts: choice, cause and effect</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Goods and services ● Careers that produce goods and provide services ● Short term financial goals 	<p>Central Idea Organisms interact with their parents and inherit physical traits that help them live.</p> <p>Key Concepts: connection, causation</p> <p>Related Concepts: relationships, compare and contrast</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Similarities and differences between offspring and parents ● Inherited physical characteristics that help plants and animals live ● How parents interact with their offspring to help them survive
2	<p>Central Idea People use multiple ways to resolve conflicts or differences.</p> <p>Key Concepts: perspective, responsibility</p> <p>Related Concepts: conflict and resolution, equality</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Conflict and resolution ● Different ways to resolve conflicts or differences ● Equal opportunities ● Justice and responsibility in the community and the world 	<p>Central Idea Over time, communities have changed due to people and events in history.</p> <p>Key Concepts: change, connection, reflection</p> <p>Related Concepts: causation</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Physical features of a community ● How people and events change a community ● Similarities and differences of neighborhoods and communities. ● Tools historians use to uncover the past 	<p>Central Idea Poets see the world in different ways.</p> <p>Key Concepts: connection, form, reflection</p> <p>Related Concepts: self-expression, stylistic choice</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Seeing with a poet's eyes ● Music and rhythm of poetry ● Expressing and interpreting feelings in poetry ● Comparisons 	<p>Central Idea Outside forces can change the speed and direction of an object and can affect our daily lives.</p> <p>Key Concepts: form, function, causation</p> <p>Related Concepts: variables interconnectedness</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Changes in speed and direction ● Outside forces ● Forces and motion in everyday life 	<p>Central Idea Based on scarcity, people make financial decisions.</p> <p>Key Concepts: responsibility, reflection</p> <p>Related Concepts: scarcity, choice</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Scarcity of resources ● Wants and needs ● Long term financial goals 	<p>Central Idea Living things have structures and behaviors to survive in their environment.</p> <p>Key Concepts: causation, function</p> <p>Related Concepts: environment, structure</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> ● Habitats and climates around the world ● Structures and behaviors of living things ● How weather affects living and non-living things

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3	<p>Central Idea Students are members of a democratic society who provide civil services in the community and participate in the process.</p> <p>Key Concepts: connection, function, responsibility</p> <p>Related Concepts: governance, power</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • How local governments and their citizens are interdependent • Democratic process • How a citizen's rights and responsibilities enable others to learn and understand diverse perspectives 	<p>Central Idea The migration of populations within a nation changes the culture of a society.</p> <p>Key Concepts: change, causation, reflection</p> <p>Related Concepts: causality, culture</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Historical artifacts • Historical accounts • Influences of Westward Expansion • Geographical and cultural impact of migration 	<p>Central Idea Messages and themes in a story enable citizens to analyze and interpret meaning across diverse cultures.</p> <p>Key Concepts: connection, change, perspective</p> <p>Related Concepts: point of view, theme</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Theme vs. main idea in various traditional stories • How people from around the world express themselves • Comparing stories from around the world 	<p>Central Idea Organisms evolve overtime and are interdependent.</p> <p>Key Concepts: function, change connection</p> <p>Related Concepts: cycles, transformation</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Life cycles of single celled organisms such as bacterium • Factors that impact the development of an organism • Similarities and differences between single-celled and multi-celled organisms 	<p>Central Idea The interdependent relationship between consumers and producers determines the success of a community.</p> <p>Key Concepts: form, function, responsibility</p> <p>Related Concepts: consumption, trade</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Setting and meeting financial goals • Production and consumption • How goods are exchanged and influence supply and demand 	<p>Central Idea The earth's materials change over time to form finite resources used for human activity.</p> <p>Key Concepts: causation, change, function</p> <p>Related Concepts: interaction, transformation</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Formation of earth's materials • Responsible use of natural resources • Physical and chemical changes • Effects of heating and cooling a substance
4	<p>Central Idea The rights, roles, and responsibilities of citizens and government officials are interconnected and affect society in various ways.</p> <p>Key Concepts: function, responsibility</p> <p>Related Concepts: processes, power</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Multiple perspectives on an issue • Structure and function of government • Rights, roles, and responsibilities of citizens 	<p>Central Idea Geography and relocation have impacted historical events that have influenced various aspects of change over time.</p> <p>Key Concepts: change, causation</p> <p>Related Concepts: relocation, patterns and trends</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • The changes and effects of transportation • The discovery and advancement of a government led society • Migration that led to statehood • Archaeological findings 	<p>Central Idea Observing and interpreting data about celestial natural phenomena leads to how different cultures make sense of the world.</p> <p>Key Concepts: perspective, reflection</p> <p>Related Concepts: movement, patterns</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Patterns in the solar system • Scientific data about the planets • Ancient beliefs about celestial phenomenon 	<p>Central Idea Energy exists in various forms and can be transferable.</p> <p>Key Concepts: form, function</p> <p>Related Concepts: energy, transfer</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • The transfer of energy from one source to another • The various forms of energy • The ways in which energy can be produced • How energy transfer can be predictable and measured 	<p>Central Idea The influence of various resources and economic choices impact others from a personal and global perspective.</p> <p>Key Concepts: change, connection, responsibility</p> <p>Related Concepts: choice, resources</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • How resources have a positive and negative impact on development • Recognizing the difference between positive and negative economic decisions • The connection between choice and opportunity cost 	<p>Central Idea The components of a system need to interact or be interdependent upon one another in order to thrive.</p> <p>Key Concepts: causation, change, connection</p> <p>Related Concepts: systems, interconnectedness</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> • Classification of organisms • Components of a system • Interactions between organisms within a system

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5	<p>Central Idea All organisms have systems that are interdependent and can be affected by health choices.</p> <p>Key Concepts: function, causation, connection</p> <p>Related Concepts: systems, interdependence</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Structure and function of different systems • Health choices • Compare/contrast to other organisms 	<p>Central Idea Choices that were made in the past help define who we are today.</p> <p>Key Concepts: perspective, causation</p> <p>Related Concepts: culture, innovation and revolution</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Reasons people came to North America • Events that lead to the American Revolution • Colonies and how they were established • Historical figures 	<p>Central Idea Self-expression comes in many forms and can be tied to personal reflection.</p> <p>Key Concepts: form, perspective, reflection</p> <p>Related Concepts: style self-expression,</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Structures and forms of poetry • Figurative language • Ways in which we express personal feelings and ideas 	<p>Central Idea Matter can be separated based on its form.</p> <p>Key Concepts: change, form</p> <p>Related Concepts: evidence, measurement</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Tools used to separate various mixtures and solutions • The separation of mixtures and solutions based on their properties of matter • The effects mixtures and solutions can have on our environment 	<p>Central Idea The government and financial institutions were founded and organized by the people and are constantly changing through national and local decision-making.</p> <p>Key Concepts: function, responsibility</p> <p>Related Concepts: choice, governance</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • The founding of the US government • Historical documents • Citizenship in the US • Organization of financial institutions • How decision-making influences the economy 	<p>Central Idea Weather conditions change constantly and can create natural hazards that impact communities and their resources.</p> <p>Key Concepts: causation, change, perspective</p> <p>Related Concepts: interactions, energy</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • How Earth’s natural resources are used and shared • Changes in daily weather and the formation of different weather phenomena • Tools that measure different data and types of phenomena • How weather phenomena impacts many things
6	<p>Central Idea Humans consist of the same matter as the rest of the universe.</p> <p>Key Concepts: connection, reflection</p> <p>Related Concepts: evidence form</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Different forms and characteristics of matter • Mass, weight, volume, and density • Models and theories of matter 	<p>Central Idea Knowledge of ancient civilization can develop a sense of interconnectedness and cultural awareness.</p> <p>Key Concepts: causation, reflection, connection</p> <p>Related Concepts: culture, interconnectedness, relationships</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Aztecs, Mayans, and Incas • The impact of exploration • Influence of ancient civilizations on modern civilization • An appreciation of different cultures 	<p>Central Idea Personal expression is formed and influenced by experiences.</p> <p>Key Concepts: form, perspective</p> <p>Related Concepts: theme, setting</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Different literary elements • Different genres • Biases and stereotypes based on experiences and culture 	<p>Central Idea Interaction of Earth systems influence the natural world over time.</p> <p>Key Concepts: change, causation, function</p> <p>Related Concepts: systems, patterns, cycles</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Earth systems/processes/ natural products • Constructive and destructive forces • Earth features • Effects on humans 	<p>Central Idea Political and economic systems structure how nations are organized and interact with each other.</p> <p>Key Concepts: connection, form, function</p> <p>Related Concepts: globalization, interconnectedness</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Types of government systems • Global economic systems • International trade 	<p>Central Idea The survival of individual organisms and populations can be affected by change in environmental conditions.</p> <p>Key Concepts: connection, responsibility</p> <p>Related Concepts: cycles, change, causation</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • How organisms will adapt in varying environments • Food webs in ecosystems • The flow of energy and cycling of matter within different ecosystems • The connection a top predator has on an ecosystem