

DAYSTAR ACADEMY PYP PROGRAM OF INQUIRY

	<p style="text-align: center;">Who We Are</p> <p style="text-align: center;"><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></p>	<p style="text-align: center;">Where We Are in Place and Time</p> <p style="text-align: center;"><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></p>	<p style="text-align: center;">How We Express Ourselves</p> <p style="text-align: center;"><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></p>	<p style="text-align: center;">How the World Works</p> <p style="text-align: center;"><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></p>	<p style="text-align: center;">How We Organize Ourselves</p> <p style="text-align: center;"><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></p>	<p style="text-align: center;">Sharing the Planet</p> <p style="text-align: center;"><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></p>
PreK	<p style="text-align: center;"><i>“An inquiry into human relationships including communities”</i></p> <p>Central Idea The choices we make impact our community.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> ● Exchange of money for goods and services ● Community Helpers ● Jobs <p>Key Concepts</p> <ul style="list-style-type: none"> ● Causation--How does what we do make an impact on our community? ● Responsibility--What responsibility do we have to our community and each other? ● Function--How do people function in roles in a community? <p>Related Concepts</p> <ul style="list-style-type: none"> ● Supply & demand ● Organization ● Ownership <p style="text-align: center;">March-April</p>	<p style="text-align: center;"><i>“An inquiry into orientation in place and time...interconnectedness of individuals and civilizations from local and global perspectives”</i></p> <p>Central Idea People around the world have similarities and differences.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> ● Similarities and differences between cultures ● How culture is affected by environments ● Holidays of Light around the world <p>Key Concepts</p> <ul style="list-style-type: none"> ● Connection--how are people around the world connected? ● Perspective--how does one’s culture and location determine one’s perspective? ● Form--What is my place on the map: city/state/country/continent/planet? <p>Related Concepts</p> <ul style="list-style-type: none"> ● Diversity ● Culture ● Beliefs <p style="text-align: center;">November-January</p>	<p style="text-align: center;"><i>“An inquiry into the ways in which we discover and express feelings...beliefs and values...”</i></p> <p>Central Idea My choices help me express myself.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> ● People express their interests through hobbies ● Art can be made through a variety of processes ● Expressing and managing our feelings <p>Key Concepts</p> <ul style="list-style-type: none"> ● Reflection--What are the effects of my choices? ● Responsibility--What connections do I have to my friends? How are my actions and feelings connected? ● Connection--How can I make responsible choices? <p>Related Concepts</p> <ul style="list-style-type: none"> ● Communication ● Interpretation ● Creation <p style="text-align: center;">August-November</p>	<p style="text-align: center;"><i>“An inquiry into the natural world and its laws”</i></p> <p>Central Idea Nature follows predictable cycles.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> ● Life cycles (animal and plant) ● Cycle of seasons ● Weather and water cycle <p>Key Concepts</p> <ul style="list-style-type: none"> ● Change--How do things in the natural world change over time? ● Connection--What sequences and patterns can we see in nature? ● Form--Identify the different stages of cycles <p>Related Concepts</p> <ul style="list-style-type: none"> ● Cycles ● Progress ● Pattern <p style="text-align: center;">April-June</p>		

K	<p>Community <i>“An inquiry into human relationships including families, friends, communities, and cultures; rights and responsibilities”</i></p> <p>Central Idea: Communities need helpers and rules to make it function.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Different communities have specific rules and jobs • Community leaders and their responsibilities • Ways to contribute to a community <p>Key Concepts:</p> <ul style="list-style-type: none"> • Function (How do leaders help our community?) • Form (What are different communities? What are the different roles within each community?) • Responsibility (What are our responsibilities in our community?) <p>Related Concepts:</p> <ul style="list-style-type: none"> • Community • Interdependence • Cooperation 	<p>People through Time <i>“An inquiry into...homes and journeys; the relationships between and the interconnectedness of individuals and civilizations, from local and global perspectives”</i></p> <p>Central Idea: Time and location influence how people live.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Some societal rules have changed with time • Culture and traditions affect daily life • A person’s location can decide certain lifestyle traits <p>Key Concepts:</p> <ul style="list-style-type: none"> • Function (How do cultures and traditions affect our daily life? How does one’s location affect one’s lifestyle?) • Change (How have societal rules changed over time?) • Perspective (How can we understand different points of view?) <p>Related Concepts:</p> <ul style="list-style-type: none"> • Diversity • Culture • Tradition 	<p>Story Telling <i>“An inquiry into the ways in which we discover and express ideas”</i></p> <p>Central Idea: Art communicates ideas and information.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Understanding the various ways to tell a story • Everyone can express themselves through the arts • Appreciating the diversity of the arts <p>Key Concepts:</p> <ul style="list-style-type: none"> • Connection (How do stories relate to each other? How are storytellers and artists connected?) • Reflection (How do we know what an artist is communicating?) • Perspective (<i>Who</i> is communicating and <i>what</i> is the artist/storyteller communicating?) <p>Related Concepts:</p> <ul style="list-style-type: none"> • Interpretation • Meaning • Creativity 	<p>Survival of Living Things <i>“An inquiry into the natural world and its laws”</i></p> <p>Central Idea: Living things require specific conditions to survive.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Different habitats around our world • Climate/weather • Survival requirements of living things (plants and animals) <p>Key Concepts:</p> <ul style="list-style-type: none"> • Causation (Why do living things adapt? How do weather patterns and geography affect the way living things survive?) • Change (How do habitats and living things change over time?) • Connection (How are people and nature connected?) <p>Related Concepts:</p> <ul style="list-style-type: none"> • Cycles • Adaptation • Habitat 		
1	<p><i>“An inquiry into family, friends, community and cultures.”</i></p> <p>Central Idea Everyone’s contributions are important to a community.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Understand what a community is • Observe various responsibilities within a community • Different cultural groups have made our city unique <p>Key Concepts</p> <ul style="list-style-type: none"> • Causation (How do different cultural groups have an impact on our city?) • Connection (Connections 	<p><i>“An inquiry into orientation in place and time [and] the discoveries...”</i></p> <p>Central Idea Throughout history, humans have created ways to improve life.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • People have built upon other’s inventions to continue societal changes. • Every human-made product is designed by applying knowledge of the natural world and is built to impact quality of life. • The time and place in which one lives shapes one’s worldview. <p>Key Concepts</p>	<p><i>“An inquiry into the ways in which we discover and express ideas, beliefs, and values”</i></p> <p>Central Idea People communicate ideas and learning in different ways.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • There are different platforms to express oneself. • Learners hold active responsibility to continue their learning throughout life. • People have different opinions based on their own beliefs. • Backing up opinions with valid evidence helps 	<p><i>“An inquiry into the natural world and its laws and how humans use their understanding of scientific principles”</i></p> <p>Central Idea Patterns in the natural world can be observed and used as evidence to make predictions</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Each day, the sun rises in the east and sets in the west because of the earth’s rotation. • Seasons and weather change because of the Earth’s revolution around the sun. • All the planets in the Solar 	<p><i>“An inquiry into economic activities”</i></p> <p>Central Idea Money can be used in many different ways; it is our responsibility to use it wisely.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Understand what income is and how people work to earn pay • When choices are made, something is given up • Everyone has a unique ability to produce a good or service <p>Key Concepts</p> <ul style="list-style-type: none"> • Function (How does our basic economic system work?) 	<p><i>“An inquiry into people and other living things...relationships within and between them”</i></p> <p>Central Idea Different factors impact an organism’s ability to survive.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Animals exhibit both instinctive and learned behaviors. • Plants and animals have structural features to meet their needs. • Living things are like, but not exactly like their parents. <p>Key Concepts</p> <ul style="list-style-type: none"> • Form (A living organism’s form changes over their life

	<p>between individual, classroom, school, city, world)</p> <ul style="list-style-type: none"> Responsibility (What is our responsibility in each community that we are a part of?) <p>Related Concepts</p> <ul style="list-style-type: none"> Community Structure Behavior 	<ul style="list-style-type: none"> Perspective (What are the points of view of various people throughout history?) Connection (How does the past connect to the present?) Change (How has life changed over time?) <p>Related Concepts</p> <ul style="list-style-type: none"> Growth Responding Problem/solution 	<p>solidify a point of view.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> Perspective (What are the points of view?) Causation (Why do people have different opinions?) Reflection (How can we respect everyone's way of expressing themselves?) <p>Related Concepts</p> <ul style="list-style-type: none"> Communication Audience Respect 	<p>System revolve around the sun.</p> <ul style="list-style-type: none"> Every month, the moon goes through predictable phases. <p>Key Concepts</p> <ul style="list-style-type: none"> Change (What changes as our planet rotates and revolves) Connection (How are the different aspects of the solar system connected to each other?) Function (How does our solar system work?) <p>Related Concepts</p> <ul style="list-style-type: none"> Pattern Prediction Location 	<ul style="list-style-type: none"> Responsibility (How can we be responsible with money?) Reflection (How do our choices impact our life?) <p>Related Concepts</p> <ul style="list-style-type: none"> Economics Choices System 	<p>cycle)</p> <ul style="list-style-type: none"> Function (How do plants and animal features function so that they can survive?) Connection (How are all living things connected?) <p>Related Concepts</p> <ul style="list-style-type: none"> Survival Stages Adaptations
2	<p>Connecting Ourselves to Others</p> <p><i>"the nature of the self; personal, physical, social and spiritual health; human relationships including families, friends, communities, and cultures;"</i></p> <p>Central Idea The student cultivates an understanding of who we are and how we connect with others around us.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> How our bodies function Empathizing what our differences are Historical figures that have made significant contributions Significant contributions are being made by different people The importance of individual actions and character <p>Key Concepts Function:</p> <ul style="list-style-type: none"> Why do we have so many bones and muscles? What is the purpose of each part? How do the parts of our body work together? <p>Form</p>	<p>Natural Systems that have Changed the Earth</p> <p><i>"the relationships between and the interconnectedness of individuals and civilizations from local and global perspectives."</i></p> <p>Central Idea The Earth's changes are observable and can demonstrate changes over time.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Earth's processes change the land Earth's processes impact communities Humans respond to the changes caused by the Earth's processes <p>Key Concepts Form: What is it like? I understand that everything has a form with recognizable features which can be observed, identified, described and categorized.</p> <p>Causation: Why is it the way it is? I understand that things do not just happen. I can find out why things happen.</p> <p>Change: How does it change? I understand that change is the process of movement from one</p>	<p>Word Expression</p> <p><i>"An inquiry into the ways in which we discover and express ideas through culture"</i></p> <p>Central Idea Words are created and expressed through poetry and stories for many purposes.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Story structure and elements Purposes of stories Same stories have cultural similarities and differences Cultures connect in different ways Customs and traditions are exhibited in a culture <p>Key Concepts Connection: people's culture and way of doing things reflect in their stories and styles of writing</p> <p>Perspective-discover how people from other cultures, characters in stories, characteristics of shapes, and words in poetry express themselves.</p> <p>Reflection-Identify some cultural and environmental characteristics of our community and compare to</p>	<p>Scientific Principles</p> <p><i>"An inquiry into the natural world and its laws and how humans use their understanding of scientific principles"</i></p> <p>Central Idea Everything is made up of matter and we can be good caretakers of it.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> The sequence of the scientific method States of matter in our world Change occurs both physically and on a molecular level between each state <p>Key Concepts Form-What are solids, liquids, and gases like? What features can be observed, identified, described and categorized about these 3 states of matter? Materials and shapes of boats impact their purpose and function.</p> <p>Function- How can solids be compared to other solids, liquids and gases to other liquids? What are the functions of boats?</p> <p>Change-How can these states</p>	<p>Decision-Making</p> <p><i>"An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organizations; societal decision-making;"</i></p> <p>Central Idea We have structures and functions that organize the way we perceive human made systems.</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> The connection between human-made systems The structure and function of organizations Impact of economic activities on humankind and their environment Nature of societal decision making <p>Key Concepts Connection: How are things connected? What are ways we are connected and ways we can positively affect others through our actions.</p> <p>Perspective: What are the points of view? How can we view our role and use it to best benefit others?</p>	<p>Habitats and Adaptations</p> <p><i>"An inquiry into communities and the relationships within and between them"</i></p> <p>Central Idea Living things have special needs for survival</p> <p>Lines of Inquiry An inquiry into</p> <ul style="list-style-type: none"> All living things have basic needs for survival Different habitats affect the diversity of life Human's actions are connected to the survival of living things <p>Key Concepts Function: How does it work? What are the parts and functions of a plant? How do they adapt for survival? I can develop a model to mimic the function of an animal in dispersing seeds or pollinating plants.</p> <p>Causation: Why is it this way? I can find out why things happen. I can find out why something has happened because I understand that things do not just happen. I understand that there are</p>

	<ul style="list-style-type: none"> What bones do we have in our body? What do the bones look like and what are they called? <p>Connection</p> <ul style="list-style-type: none"> How can we use our skills to positively impact our communities and other communities? How have individuals and groups in the past impacted who we are today? <p>Related Concepts Classification, organization, community, values, relationships</p>	<p>state to another. I can investigate why something has changed or why it is changing.</p> <p>Related Concepts Data, analysis, prediction, force, processes,</p>	<p>other countries</p> <p>Related Concepts Community, beliefs, cultures, diversity, communication</p>	<p>change/transform into other states? How can mixing these states change its properties?</p> <p>Related Concepts Structure, pictures, images, presentation, data, prediction, classification, function, properties, matter</p>	<p>Responsibility: What is our responsibility? We have a responsibility to help others and make a difference.</p> <p>Related Concepts Symbol, representation, government</p>	<p>relationships at work and that actions have consequences.</p> <p>Responsibility: What is my responsibility? I understand that I can make a difference through my thoughts, choices, and actions.</p> <p>Related Concepts interaction, connections, ecosystem, adaptation</p>
3	<p>Central Idea Responsible choices help maintain healthy systems.</p> <p>Key Concepts Form, function, responsibility</p> <p>Related Concepts Health, wellness, responsibility, self, lifestyle</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Digestive system and how it works. Investigate different habits affect our physical and mental health Determine how choices influence our health as a community 	<p><i>“explorations and migrations of humankind”</i></p> <p>Central Idea Past civilizations shape present day systems.</p> <p>Key Concepts Causation, perspective, change</p> <p>Related Concepts Community, conflict, history, growth, and movement</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> History of Indigenous peoples Types of journeys people make and changes experienced How experiences affect the future 	<p>Central Idea People use their creativity to convey messages and show innovation.</p> <p>Key Concepts Perspective, function, change</p> <p>Related Concepts Expression, shape, angle, creativity, balance</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> How creativity is shared New discoveries lead to new inventions How electric and magnetic forces work 	<p>Central Idea Our natural world contains laws, cycle, and order.</p> <p>Key Concepts Connection, function, causation</p> <p>Related Concepts Order, cycles, classification, living, non-living, force, relationships, research, survival</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Life cycles and characteristics of organisms How animals survive in various environments Natural laws and forces of the world 	<p>Central Idea Structure allows for communities to support one another.</p> <p>Key Concepts Function, change, responsibility</p> <p>Related Concepts Organization, systems, beliefs, supply and demand, citizenship</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Comparison of governments How to make responsible economic decisions The roles of banks in an economy Reaching agreements, rules, and laws 	<p>Central Idea People interact with, use, and value the natural environment in different ways.</p> <p>Key Concepts Reflection, form, causation</p> <p>Related Concepts Geography, location, change, creation, energy, behavior, resources</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Physical features and landforms Weather and climate Natural resources Human Interaction with resources

4	<p>Structure and Function <i>An inquiry into the nature of the self and what it means to be human</i></p> <p>Central Idea: All living beings have internal and external structures and processes that support life.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> - Function - Change - Connection <p>Related Concepts</p> <ul style="list-style-type: none"> - Communication - Systems - Adaptation - Homeostasis <p>Lines of Inquiry</p> <ul style="list-style-type: none"> - Living beings have functions that support survival, growth and behavior. - Living beings can adapt to their habitat to support survival. - Information can be received through senses and responded to in different ways. 	<p>Contributions that leave a legacy <i>"Personal histories"</i></p> <p>Central Idea: Studying the past will help us understand the legacy we make for ourselves.</p> <p>Key Concepts: Connection, perspective</p> <p>Related Concepts: Geography, government/governance, process, relationships</p> <p>Lines of Inquiry: An inquiry into -Looking at geography and changes in land features, from rural to urban. -looking how people work toward developing communities -Understanding settlement hierarchy -The process of establishing and sustaining a working economy</p>	<p>Expression through architecture <i>"Appreciation and Reflection on the aesthetics"</i></p> <p>Central Idea: Progress and development is an expression of identity.</p> <p>Key Concepts: Change, function, connection</p> <p>Related Concepts: Interaction, community, connection, expression</p> <p>Lines of Inquiry: An inquiry into - how cities contribute to the expression of ideas through innovation and architecture (Chicago World's Columbian Exposition) -how natural and human caused disasters can have drastic implications on human development (Chicago Fire) -how the economy (imports and exports) aid in the expression of a group of people</p>	<p>Earth Systems <i>An inquiry into the natural world and its laws; how humans use their understanding of the environment.</i></p> <p>Central Idea: The Earth provides evidence to explain and support the patterns and rock formations that lead to change over time.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> - Form - Causation - Change <p>Related Concepts</p> <ul style="list-style-type: none"> - Patterns - Similarities - Differences - Cycles <p>Lines of Inquiry</p> <ul style="list-style-type: none"> - Identifying evidence of the patterns that exist with weathering and erosion. - How rocks and minerals are formed. - The cause behind earth's physical changes. - How earth's physical events impact humans. 	<p>Civics An inquiry into the interconnectedness of human-made systems and communities</p> <p>Central Idea: Humans recognize the rights and responsibilities established by laws in a given nation.</p> <p>Key Concepts: function, change, responsibility</p> <p>Related Concepts: structure, beliefs, purpose, communication</p> <p>Lines of Inquiry: An inquiry into -Identifying governing principles that guide nations -Identifying the responsibilities and powers of government -Investigating the implications and social influences that laws have in society</p>	<p>Energy <i>An inquiry into rights and responsibilities to share finite resources</i></p> <p>Central Idea: Energy is an essential resource that affects people and the environment.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> - Form - Change - Reflection <p>Related Concepts</p> <ul style="list-style-type: none"> - Properties - Patterns - Transformation - Responsibility <p>Lines of Inquiry</p> <ul style="list-style-type: none"> - Different forms of energy. - Energy and the relation to speed. - How energy is transferred from place to place. - Energy is a finite resource.
5	<p>RIGHTS & RESPONSIBILITIES</p> <p>Central Idea Government systems determine rights and responsibilities.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> • Form • Function • Responsibility <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Why and how the U.S. government was established • The roles and responsibilities of the different branches of government • Our government in 	<p>DISCOVERIES, EXPLORATION, & MIGRATIONS OF HUMAN KIND</p> <p>Central Idea Changes in population and geography impact natural and human environments.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> • Function • Causation • Perspective <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • The different forces that cause groups of people to relocate • How migration affects the way societies develop • Consequences and 	<p>EXPRESSION THROUGH WRITING</p> <p>Central Idea People use written language as a form of expression to convey their personal experiences, opinions, and ideas.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> • Form • Function • Perspective <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • How writers tell about their experiences • The characteristics that make up a piece of writing 	<p>MATTER & ITS INTERACTIONS</p> <p>Central Idea Understanding properties of matter allow us to use and change elements of matter</p> <p>Key Concepts</p> <ul style="list-style-type: none"> • Form • Function • Causation <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • The different characteristics of solids, liquids, and gases • Mixing substances can cause new substances to form • Physical and chemical 	<p>ECONOMICS</p> <p>Central Idea Economic activities reflect and shape how societies develop.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> • Form • Causation <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • How the wants and needs of goods and services create a system of economy • How incentives influence behavior • How an economy is an interconnected system 	<p>ECOSYSTEMS</p> <p>Central Idea Communities and their relationships within and between them.</p> <p>Key Concepts</p> <ul style="list-style-type: none"> • Form • Function • Connection <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • The components of an ecosystem • The importance of a balanced system - cause and effect of changes within an ecosystem • Our role within ecosystems

	comparison to other other governments around the world	potential solutions to the implications of movement on people and the environment	<ul style="list-style-type: none">• How writers choose what they will include in their writing	changes impact our world		
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