

2021-22 Cloverleaf Elementary PYP Programme of Inquiry

	Who We Are	Where We Are In Place and Time	How We Express Ourselves	How the World Works	How We Organize Ourselves	Sharing The Planet
	An inquiry into the nature of 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	An inquiry into orientation in place and time; personal histories, homes and journeys; discoveries, explorations and migrations of humankind;the relationships between and interconnectedness of individuals and civilizations from local and global perspectives	An inquiry into the ways in which we discover and express ideas,feelings,nature, culture,beliefs and values;the way in which we reflect on,extend and enjoy our creativity;our appreciation of the aesthetic	An inquiry into the natural world and it's 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 environment	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	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 resolutions
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	<p>Central Idea: <i>Our differences and similarities make us unique.</i></p> <p>Key Concepts: Connection, Perspective, Responsibility</p> <p>Related Concepts: Roles, citizenship, relationships</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How we develop relationships • How choices can affect everyday life • How our roles at home, school, and community affect ourselves and others 	<p>Central Idea: <i>People use tools to explore the world around them.</i></p> <p>Key Concepts: Form, Function</p> <p>Related Concepts: Symbols, positions, interdependence</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Explorations with maps, globes, and digital tools to locate places and features • Distinguish landforms and physical features • Identify different locations using positional words 	<p>Central Idea: <i>All people in the world express their cultures in many ways.</i></p> <p>Key Concepts: Form, Perspective, Connection</p> <p>Related Concepts: Culture, beliefs, comparison, diversity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How people express their cultures • Seasonal traditions in various cultures • Similarities and differences between traditions 	<p>Central Idea: <i>Changes in the environment have impacts on the way people live their lives.</i></p> <p>Key Concepts: Causation, Form, Change</p> <p>Related Concepts: Weather, patterns, seasons</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Observing and comparing weather and seasons • How different weather affects daily life • How life events bring change 	<p>Central Idea: <i>People have different roles in the community to meet their families' wants and needs.</i></p> <p>Key Concepts: Responsibility, Form, Function</p> <p>Related Concepts: Community, economics, interdependence</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • A community is a group that lives and works together • Understanding the difference between communities' wants and needs • Roles and how they help the community meet wants and needs 	<p>Central Idea: <i>All organisms change over time.</i></p> <p>Key Concepts: Function, Change</p> <p>Related Concepts: Adaptation, comparisons, and interdependence</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Similarities and differences in organisms • Growth and change
	8/23-10/8; 1st	1/10-2/18; 4th	11/22-1/7; 3rd	2/22-4/8; 5th	10/11-11/19; 2nd	4/11-5/20; 6th

1	Who We Are	Where We Are In Place and Time	How We Express Ourselves	How the World Works	How We Organize Ourselves	Sharing The Planet
	An inquiry into the nature of 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	An inquiry into orientation in place and time; personal histories, homes and journeys; discoveries, explorations and migrations of humankind;the relationships between and interconnectedness of individuals and civilizations from local and global perspectives	An inquiry into the ways in which we discover and express ideas,feelings,nature, culture,beliefs and values;the way in which we reflect on,extend and enjoy our creativity;our appreciation of the aesthetic	An inquiry into the natural world and it's 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 environment	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	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 resolutions
	<p>Central Idea: <i>Our actions affect human relationships.</i></p> <p>Key concepts: Responsibility, Causation, Function</p> <p>Related Concepts: Relationships, Behavior, Citizenship, Consequences</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> How actions influence human relationships Why people develop rules How people resolve conflict 	<p>Central Idea: <i>People use geography to explore communities and the world around them.</i></p> <p>Key concepts: Form, Function, Change</p> <p>Related Concepts: Maps, Representations, Roles, Adaptation, Responsibility</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Ways places can be represented The relationship of our location to other parts of the world Characteristics and attributes of various landforms. 	<p>Central Idea: <i>Relationships influence beliefs, roles, and environment.</i></p> <p>Key concepts: Perspective, Function, Connection</p> <p>Related Concepts: Subjectivity, relationships, patterns</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> How beliefs and values define a culture Features and characteristics of celebrations Languages, traditions, and holidays of various cultures 	<p>Central Idea: <i>Natural cycles impact our daily lives.</i></p> <p>Key concepts: Change, Connection, Form</p> <p>Related Concepts: Patterns, cycles, relationships</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Recognize differences and features of day and night sky Movement of objects in space How the moon changes in the night sky 	<p>Central Idea: <i>Human needs and wants influence economic systems.</i></p> <p>Key concepts: Connection, Causation, Function</p> <p>Related Concepts: Choices, Relationships, Structure, Roles</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Ways people earn and use money Choices families and communities make based on supply and demand Examples of goods and services in the home, school, and community 	<p>Central Idea: <i>Living things have specific needs met in order to survive.</i></p> <p>Key concepts: Causation, Form, Responsibility, Change</p> <p>Related Concepts: Patterns, rights, adaptation</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Needs of plants and animals How habitats impact survival of plants and animals How people impact the environment and habitats of plants and animals
	8/23 - 9/17; 1st unit	9/20-10/29; 2nd unit	11/1-12/22; 3rd unit	2/21-4-8; 5th unit	1/5-2/18; 4th unit	4/11-5/27; 6th unit

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	<p>Central Idea: <i>Beliefs and values contribute to the uniqueness of all individuals.</i></p> <p>Key Concepts: Connection, Perspective, Reflection</p> <p>Related Concepts: relationships, networks</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> ● Impact of wants and needs on how people live ● How beliefs and values shape people's lives ● Influence of family differences on beliefs and values 	<p>Central Idea: <i>People, places, and ideas change over time.</i></p> <p>Key Concepts: Change, Responsibility, Perspective</p> <p>Related Concepts: Location, attributes, sequence, interpretations</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> ● Changes brought by historical contributions ● Impact of historical events on communities over time ● How points of view change 	<p>Central Idea: <i>Beliefs and values are expressed through cultures.</i></p> <p>Key Concepts: Perspective, Causation, Connection</p> <p>Related Concepts: Expression, impact, social skills</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> ● Methods of expression ● Ways in which groups create culture and community 	<p>Central Idea: <i>The natural world influences our lives and environment.</i></p> <p>Key Concepts: Causation, Function, Change</p> <p>Related Concepts: States of matter, patterns, seasons</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> ● Impact of weather on human behavior ● Influence of the sun on weather patterns and conditions ● Ways and methods of monitoring weather 	<p>Central Idea: <i>Community services and workers influence how people live.</i></p> <p>Key Concepts: Responsibility, Form</p> <p>Related Concepts: Government, consequences, systems, beliefs</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> ● Contributions of citizens to community services ● Exploration of services needed in a community ● How communities are structured 	<p>Central Idea: <i>Living things interact with the environment.</i></p> <p>Key Concepts: Form, Change, Connection</p> <p>Related Concepts: Cycles, systems, similarities and differences</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> ● Characteristics of life cycles ● Relationship between the environment and living things
10/4-11/12; 2nd unit	1/5-2/11; 4th unit	11/15-12/22; 3rd unit	2/14-4/1; 5th unit	8/23-10/1; 1st unit	4/4-5/13; 6th unit	

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<p>Central Idea: <i>Human body systems are essential for life.</i></p> <p>Key Concepts: Function, Connection, Change</p> <p>Related Concepts: Structure, systems, interdependency</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Frameworks of the human body • Purposes of body systems and how they work together • How bodies change over time 	<p>Central Idea: <i>Earth and Solar System patterns impact living things.</i></p> <p>Key Concepts: Form, Function, Causation</p> <p>Related Concepts: Systems, transformation, patterns</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Major components and patterns observed in the solar system • Movement in the solar system • Impact of changes in the solar system on living things 	<p>Central Idea: <i>People's experiences shape their opinions.</i></p> <p>Key Concepts: Perspective, Connection, Reflection</p> <p>Related Concepts: Transformation, relationships, open-mindedness</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Different ways to express feelings and beliefs • Culture impacts our values • How opinions are formed and changed 	<p>Central Idea: <i>Changes in energy affect the world around us.</i></p> <p>Key Concepts: Change, Causation, Connection</p> <p>Related Concepts: Cause and effect, transformation, impact</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Properties and structure of matter before/after change • Interactions of energy and matter among solids, liquids, and gases • How energy can transfer from one object to another 	<p>Central Idea: <i>Regions are described by various elements.</i></p> <p>Key Concepts: Form, Causation, Perspective</p> <p>Related Concepts: Properties of landforms; , economics, dependency</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How regions are described • Impact of elements on a region • Exploration of the different characteristics of elements 	<p>Central Idea: <i>Living things are interdependent.</i></p> <p>Key concepts: Connections,Change, Function</p> <p>Related Concepts: Relationships, Cycles</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How the structure of an organism helps it to survive • How an environment affects an organism • Interdependence of living things
10/11 - 11/26; 2nd unit	1/24 - 3/4; 4th unit	11/29 - 1/21; 3rd unit	4/25 - 6/3 ; 6th unit	8/30 - 10/8; 1st unit	3/14 - 4/22; 5th unit

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<p>Central Idea: <i>Choices that people make influence well-being.</i></p> <p>Key Concepts: Responsibility, Causation</p> <p>Related Concepts: Health, financial responsibility, consequences</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Impact of nutrition, rest, and exercise on health • Impact of market economy on life • Impact of economic factors on personal choices 	<p>Central Idea: <i>Relocation influences cultures and resources of a community.</i></p> <p>Key Concepts: Causation, Change, Perspective</p> <p>Related Concepts: Factors impacting migration and movement of people</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Causes and effects of settlement • How migration affects relationships • How availability of resources affects resettlement 	<p>Central Idea: <i>Development of technology and energy use changes the expression of culture over time.</i></p> <p>Key Concepts: Connection, Change, Causation</p> <p>Related Concepts: progression of technology and energy use; force and motion</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Forms of energy • Impact of technology • Changes in cultural expression 	<p>Central Idea: <i>Changes in the environment affect natural systems.</i></p> <p>Key Concepts: Function, Form, Connection</p> <p>Related Concepts: Cause and effect</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How environmental changes affect the survival of organisms • How humans can influence the environment 	<p>Central Idea: <i>Government systems influence the lives of citizens at local, state, federal and international levels.</i></p> <p>Key Concepts: Form, Function, Responsibility</p> <p>Related Concepts: Organization of local, state, federal and international governments; rights/responsibilities of citizens and elected leaders.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Similarities and differences of governmental structures at local, state, federal and international levels • Impact of types of governments on humanity • Citizen roles in government 	<p>Central Idea: <i>Natural resources are affected by natural phenomena and human beings.</i></p> <p>Key Concepts: Change, Form, Reflection</p> <p>Related Concepts: Physical and chemical change, forms of rocks, minerals and fossils; electricity and magnets</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Properties and changes in matter • How earth and its life forms have changed • How electricity and magnetism create change in the environment
10/19-11/24; 2nd unit	11/30 - 1/15; 3rd unit	1/19 - 2/11; 4th unit	2/15 - 3/26; 5th unit	3/29 - 5/21; 6th unit	8/24 - 10/16; 1st unit

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	<p>Central Idea: <i>Various factors define culture, heritage, and social norms.</i></p> <p>Key Concepts: Connection, Causation, Form</p> <p>Related Concepts: leadership, culture, heritage</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How rituals, traditions, and artifacts reflect beliefs and values of cultural groups (student selected), and shared values of a community • Characteristics can be inherited and learned • Effects of climate on human activity (based on catastrophic events in specific areas) 	<p>Central Idea: <i>Human activity has and continues to shape our world.</i></p> <p>Key Concepts: Perspective, Change, Reflection</p> <p>Related Concepts: Migration, historical understanding, cause and effect</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Interpretation of migration and explorations of people and how early explorers helped shape a location (and as related to life changing historical events) • Contributions immigrants had on the development of our country • Heat transfer and energy as related to matter and life changing events 	<p>Central Idea: <i>Personal choices in health and economics can result in benefits and consequences.</i></p> <p>Key Concepts: Responsibility, Perspective, Function</p> <p>Related Concepts: Budgets, body systems, single and multi-cell organisms</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How Budgets are developed; Importance of spending, borrowing, saving • Body systems/ Uni and Multi cellular organisms • Compare single and multi celled organisms 	<p>Central Idea: <i>Forces and energy impact human progress.</i></p> <p>Key Concepts: Function, Form, Causation</p> <p>Related Concepts: Force and motion, energy, cause and effect, connections</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How force and mass affect motion, distance, and direction • Interactions of energy and matter • Technological advances and industrialism's impact on people 	<p>Central Idea: <i>Systems help people organize and bring structure to their world.</i></p> <p>Key Concepts: Form, Function, Connection</p> <p>Related Concepts: Government, weather, citizenship</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Origin, structure, and function of government • How systems change over time • Weather systems and connections to climate change and global issues 	<p>Central Idea: <i>Natural resources exist in different forms and are used and stored within ecosystems.</i></p> <p>Key Concepts: Causation, Responsibility, Connections</p> <p>Related Concepts: Environments, systems, impact features, migration</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Human impact/effect on the environment • Components of an ecosystems and their interactions, Similarities and differences between Biomes • Variations between organisms as producers, consumers, and decomposers
	1/5/22-2/15/22; 3rd unit	10/4/21-11/14/21; 2nd unit	2/21-4/8; 5th unit (spring break)	8/30-10-1; 1st unit	11/15-12/22; 4th unit	4/11/22-5/20/22; 6th unit