

Transdisciplinary Program of Inquiry
 Shaker Heights City School District
 Onaway Elementary School 2022-2023
 October 2022

T H E M E / G R A D E	<p>Who We Are</p> <p><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>Where We Are In Place & Time</p> <p><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>How We Express Ourselves</p> <p><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>How The World Works</p> <p><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>How We Organize Ourselves</p> <p><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>Sharing The Planet</p> <p><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>
Pre K Yr 1	<p>Central Idea: Actions form relationships</p> <p>Key Concepts: Balanced, caring, risk takers</p> <p>Related Concepts: relationships; similarities and differences; responsibility</p> <p>Lines of Inquiry: people in our classroom relationships Responsibility to others</p> <p>1</p>		<p>Central Idea: Art can be expressed in different ways.</p> <p>Key Concepts: Perspective, responsibility, function</p> <p>Related Concepts: opinions, initiative, behavior</p> <p>Lines of Inquiry: types of art artists impact of art</p> <p>3</p>	<p>Central Idea: Cycles create change</p> <p>Key Concepts: causation, change, connection.</p> <p>Related Concepts: Adaptations, cycle, characteristics</p> <p>Lines of Inquiry: changes in Fall changes in Winter changes in Spring</p> <p>2, 4, 6 (Revisited)</p>	<p>Central Idea: People create communities.</p> <p>Key Concepts: connection, function perspective</p> <p>Related Concepts: impact, structures, systems</p> <p>Lines of Inquiry: Communities and their helpers, maps; traveling</p> <p>5</p>	
Pre K Yr 2	<p>Central Idea: Children’s lives are the same and different.</p> <p>Key Concepts: form, connection, perspective,</p> <p>Related Concepts: beliefs, similarities and differences, relationships.</p> <p>Lines of Inquiry: Children’s activities families traditions</p> <p>3</p>		<p>Central Idea: People tell stories.</p> <p>Key Concepts: function, form, perspective</p> <p>Related Concepts: structure, interpretation, communication</p> <p>Lines of Inquiry: Stories from around the world Sharing Stories Writing Stories</p> <p>4</p>	<p>Central Idea: Investigative thinking helps us learn.</p> <p>Key Concepts: form, function, change</p> <p>Related Concepts: properties, systems, transformations</p> <p>Lines of Inquiry: Body parts and processes; Properties of objects, materials, sound and light; Forces and motion</p> <p>2, 5, 6 (Revisited)</p>		<p>Central Idea: People can work together</p> <p>Key Concepts: causation; responsibility, connection</p> <p>Related Concepts: consequences, citizenship, behavior</p> <p>Lines of Inquiry: Impact of actions; citizenship; conflict resolution strategies</p> <p>1</p>

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K	<p><u>Central Idea:</u> We are all different and we all belong. <u>Key Concepts:</u> responsibility, causation perspective, function <u>Related Concepts:</u> properties, opinions, systems <u>Lines of Inquiry:</u> similarities and differences; the characteristics of a learner roles and rules within communities</p> <p>1</p>		<p><u>Central Idea:</u> People around the world express themselves in different ways. <u>Key Concepts:</u> form, perspective, connection, causation <u>Related Concepts:</u> properties, values, traditions <u>Lines of Inquiry:</u> forms of expression, Cultures (commonalities and differences); maps</p> <p>5</p>	<p><u>Central Idea:</u> Observing changes in nature helps us understand how the world works. <u>Key Concepts:</u> form, function, change <u>Related Concepts:</u> transformations and predictions, systems, patterns <u>Lines of Inquiry:</u> patterns in nature; traits and behaviors of living things; observable changes in the sky</p> <p>2; 4; 6 (Revisited)</p>		<p><u>Central Idea:</u> Decisions impact people and the environment. <u>Key Concepts:</u> perspective, responsibility, connection <u>Related Concepts:</u> opinion; balance; initiative <u>Lines of Inquiry:</u> human impact; decision making; peacemakers</p> <p>3</p>

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1	<p><u>Central Idea:</u> People have roles and responsibilities</p> <p><u>Key Concepts:</u> connection, function, responsibility</p> <p><u>Related Concepts:</u> role, balance, citizenship</p> <p><u>Lines of Inquiry:</u> roles; responsibilities; learner profile attributes</p> <p>1</p>	<p><u>Central Idea:</u> Environment and culture affect how people live</p> <p><u>Key Concepts:</u> connection, form, perspective, function</p> <p><u>Related Concepts:</u> diversity; geography; similarities and differences</p> <p><u>Lines of Inquiry:</u> Geography; characteristics of physical environments; diverse cultural practices</p> <p>5</p>	<p><u>Central Idea:</u> We can express ourselves by taking action.</p> <p><u>Key Concepts:</u> causation, perspective, responsibility</p> <p><u>Related Concepts:</u> relationships, opinions, initiatives</p> <p><u>Lines of Inquiry:</u> the impact of actions; collaboration; citizenship</p> <p>4</p>	<p><u>Central Idea:</u> Objects can move and their properties can change.</p> <p><u>Key Concepts:</u> form, change, causation</p> <p><u>Related Concepts:</u> properties, reflection, consequence</p> <p><u>Lines of Inquiry:</u> properties of water and objects, how properties change, how things move</p> <p>3</p>	<p><u>Central Idea:</u> The ways needs and wants are met can change.</p> <p><u>Key Concepts:</u> causation, change, connection</p> <p><u>Related Concepts:</u> bartering; production and consumption; consequences</p> <p><u>Lines of Inquiry:</u> life over time wants and needs; goods and services</p> <p>2</p>	<p><u>Central Idea:</u> Living things depend on the resources in their environment.</p> <p><u>Key Concepts:</u> responsibility; causation; connection</p> <p><u>Related Concepts:</u> resources; consequences; habitats</p> <p><u>Lines of Inquiry:</u> elements of a habitat, sun as a primary source of energy, availability of resources</p> <p>6</p>

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2	<p><u>Central Idea:</u> Cultures can change over time. <u>Key Concepts:</u> form, perspective, responsibility <u>Related Concepts:</u> diversity, traditions, time <u>Lines of Inquiry:</u> rights and responsibilities; characteristics of a culture; interactions among cultures</p> <p>2</p>	<p><u>Central Idea:</u> People’s actions shape the world in which we live. <u>Key Concepts:</u> form, connection, responsibility <u>Related Concepts:</u> change, chronology, artifacts, impact <u>Lines of Inquiry:</u> documenting people’s lives and time periods; attitudes and attributes of influential individuals; how actions of influential people change society</p> <p>4</p>	<p><u>Central Idea:</u> Communication informs and influences us. <u>Key Concepts:</u> form, change, perspective <u>Related Concepts:</u> communication, opinions, patterns <u>Lines of Inquiry:</u> methods of collecting, organizing analyzing and sharing information; means of communication; weather</p> <p>1</p>	<p><u>Central Idea:</u> Scientific thinking allows people to learn about their world. <u>Key Concepts:</u> function, causation, change, perspective <u>Related Concepts:</u> sequencing, behavior, comparison <u>Lines of Inquiry:</u> solving mysteries, forces; changes in scientific knowledge</p> <p>3</p>	<p><u>Central Idea:</u> Career decisions impact lives. <u>Key Concepts:</u> function, causation, connection <u>Related Concepts:</u> employment; consequences; interdependence <u>Lines of Inquiry:</u> producing goods and providing services; money; roles and careers</p> <p>5</p>	<p><u>Central Idea:</u> Living things are affected by natural and man-made elements in the environment. <u>Key Concepts:</u> form, change, responsibility, function <u>Related Concepts:</u> Environment, species, observations <u>Lines of Inquiry:</u> interactions within a habitat; causes of endangered and extinct species; helpful and harmful consequences of human action</p> <p>6</p>

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3	<p><u>Central Idea:</u> Resources influence daily life in communities</p> <p><u>Key Concepts:</u> function, causation, perspective, change</p> <p><u>Related Concepts:</u> systems, impact, consequences, opinions</p> <p><u>Lines of Inquiry:</u> Natural resources; Communication and transportation, Agriculture and industry</p> <p style="text-align: center;">1</p>	<p><u>Central Idea:</u> Communities change over time.</p> <p><u>Key Concepts:</u> connection, change, form</p> <p><u>Related Concepts:</u> systems, interdependence, transformation, impact</p> <p><u>Lines of Inquiry:</u> origin and evolution of communities; primary sources and databases; similarities and differences of communities</p> <p style="text-align: center;">4</p>	<p><u>Central Idea:</u> Architecture expresses cultural values.</p> <p><u>Key Concepts:</u> perspective, form, connection</p> <p><u>Related Concepts:</u> tradition, design, interpretation</p> <p><u>Lines of Inquiry:</u> architecture of different cultures; monuments and their reflection of values and history; the concepts of balance, form and space;</p> <p style="text-align: center;">5</p>	<p><u>Central Idea:</u> Matter and energy influence everyday life.</p> <p><u>Key Concepts:</u> form, change, function</p> <p><u>Related Concepts:</u> properties, transformation, discovery</p> <p><u>Lines of Inquiry:</u> states and properties of matter; forms of energy (heat, electricity, light, sound, magnetism); the measurement of matter and energy</p> <p style="text-align: center;">3</p>	<p><u>Central Idea:</u> People organize themselves by creating different communities.</p> <p><u>Key Concepts:</u> causation, function, perspective, responsibility</p> <p><u>Related Concepts:</u> similarities and differences; systems; roles</p> <p><u>Lines of Inquiry:</u> governmental roles and responsibilities; citizens' roles and responsibilities; the past, present and future impact of economic decisions</p> <p style="text-align: center;">2</p>	<p><u>Central Idea:</u> The survival of living things depends on cycles and changes.</p> <p><u>Key Concepts:</u> connection, responsibility, causation</p> <p><u>Related Concepts:</u> Systems, impact, consequences, opinions</p> <p><u>Lines of Inquiry:</u> descendants of living things and how they resemble their parents and each other; life cycles and adaptations of plants and animals; the impact of native and invasive species on our environment</p> <p style="text-align: center;">6</p>

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4	<div style="text-align: center;"> E X H I B I T I O N </div> <p>Central Idea: People can change the world by working together and taking action.</p> <p>Key Concepts: Form, function, causation, change, connection, perspective, responsibility</p> <p>Lines of Inquiry: Vary</p> <p style="text-align: right;">6</p>	<p>Central Idea: Human migration may cause cooperation and conflict.</p> <p>Key Concepts: causation, change, connection</p> <p>Related Concepts: chronology, artifacts, impact</p> <p>Lines of Inquiry: interactions among groups, the reasons for immigration/migration, impact of various cultures on the population</p> <p style="text-align: right;">3</p>	<p>Central Idea: Values and beliefs may influence economic decisions.</p> <p>Key Concepts: form, function, perspective</p> <p>Related Concepts: Interdependence; patterns; values; initiatives</p> <p>Lines of Inquiry: individual financial responsibility; entrepreneurship; tables and charts</p> <p style="text-align: right;">5</p>	<p>Central Idea: Inquiry allows for an understanding of our world.</p> <p>Key Concepts: form, causation, connection, responsibility</p> <p>Related Concepts: evidence, transformation, electricity</p> <p>Lines of Inquiry: scientists and inventors; transfer of energy; conservation of matter</p> <p style="text-align: right;">4</p>	<p>Central Idea: Human actions and decisions influence society.</p> <p>Key Concepts: function, responsibility, causation, form</p> <p>Related Concepts: opinions, rights, citizenship</p> <p>Lines of Inquiry: leadership and decision making; personal participation and responsibility; Primary resources and government documents</p> <p style="text-align: right;">1</p>	<p>Central Idea: Living and non-livings things are affected by changes on Earth.</p> <p>Key Concepts: change, responsibility, connection</p> <p>Related Concepts: evidence, geography, weathering</p> <p>Lines of Inquiry: landforms and water forms; natural and manmade changes (slow and rapid changes); fossils</p> <p style="text-align: right;">2</p>

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