

Dundee Elementary Academy

K-5 Programme of Inquiry (2021-2022)

Transdisciplinary Theme	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 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.	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.	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.	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.	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 resolution.
Kindergarten	<p>8/10/21-10/1/21 Central Idea: A person's identity is shaped by their environment and actions. Lines of Inquiry: - Our decisions and actions affect our lives. - The attributes that shape who we are. -We use our senses to understand ourselves, others, and the world around us. Key Concepts: connection, causation, responsibility Related Concepts: relationships, structure, identity, senses</p>	<p>10/4/21-11/19/21 Central Idea: Observing patterns in our environment help with navigation. Lines of Inquiry: - How landforms impact how we navigate - how our observations of the world help shape our perspective - Using maps to find people, places, and things Key Concepts: causation, perspective, function Related Concepts: patterns (day/night, big/small, positional words), physical environment, navigate</p>	<p>4/4/22-5/27/22 Central Idea: People, events, and culture can be honored through traditions and celebrations. Lines of Inquiry: - ways culture can be expressed through dance and movement - ways culture can be expressed through music and art - the appreciation of how others express their culture through traditions and celebrations Key Concepts: perspective, connection, form Related Concepts: expression, beliefs and values, culture</p>	<p>11/29/21-2/4/22 Central Idea: innovation can impact people and the environment. Lines of Inquiry: - how the past influences the future - ways materials can be used or changed for a variety of purposes - inventions and innovations Key Concepts: function, change, connection Related Concepts: adaptation, innovation, exploration</p>	<p>2/7/22-4/1/22 Central Idea: How the environment affects the structure and function of plants and animals Lines of Inquiry: - the structure and function of animals - the structure and function of plants - how plants and animals are alike and different Key Concepts: perspective, connection, function Related Concepts: weather, environment, interdependence, needs/wants</p>	<p>Not Applicable for Kindergarten</p>
1st Grade	<p>9/27/21-11/5/21 Central Idea: Senses help shape our perceptions. Lines of Inquiry: - using our senses to understand ourselves and the world around us - developing understanding and respect for other's similarities and differences - Using empathy to make a difference Key Concepts: function, perspective, responsibility Related Concepts: Senses, similarities/differences, disabilities</p>	<p>1/18/22-2/25/22 Central Idea: People have a past that help make them who they are. Lines of Inquiry: - our personal histories and how they influence our lives. - significant people who have changed society through time - honoring and remembering those who made a difference Key Concepts: connection, perspective, reflection Related Concepts: Chronology, history, heritage, honor</p>	<p>4/18/22-5/27/22 Central Idea: Ideas, beliefs, and values can shape culture, traditions, and celebrations. Lines of Inquiry: -Expressing our ideas, beliefs, and values -the significance of cultural traditions and how they work -comparing cultures and how they can shape traditions Key Concepts: perspective, causation, function Related Concepts: Traditions, celebrations, diversity, values, culture, relationships, dependence</p>	<p>11/8/21-1/14/21 Central Idea: Natural laws can be observed to learn about the world. Lines of Inquiry: - natural laws - how natural laws affect the world -using observations and discoveries to learn about our world. Key Concepts: form, function, connection Related Concepts: Forces, motion, discoveries</p>	<p>8/10/21-9/24/21 Central Idea: A community is impacted by the involvement and actions of its members. Lines of Inquiry: -the wants and needs of a community -the roles and contributions that shape our community -how community decisions are made. Key Concepts: responsibility, connection, function Related Concepts: Community involvement, needs vs. wants, decision making</p>	<p>2/28/22-4/14/22 Central Idea: Living things have needs that can be met by other living things and their environment Lines of Inquiry: -The changes of living things -The basic needs of living things in its environment. -how personal actions affect the world Key Concepts: Change, function, responsibility Related Concepts: Living things, plants, environment, habitat, resources, organism, interdependence</p>
2nd Grade	<p>8/10/21 – 9/17/21 Central Idea: : The rights and responsibilities of citizens help groups of people function. Lines of Inquiry: - the function and values of rules and laws - the purpose of government - the responsibility of being a citizen Key Concepts: function, form and responsibility Related Concepts: Government, rights and responsibilities, citizenship</p>	<p>2/14/22- 4/1/22 Central Idea: Migration is a response to human experiences. Lines of Inquiry: - Human migration throughout history - the causes of migration - the effects of migration Key Concepts: causation, connection Related Concepts: Migration, Immigration, Emigration</p>	<p>1/4/22-2/11/22 Central Idea: People express themselves in order to preserve culture, beliefs, or values. Lines of Inquiry: - how history reveals the life of people of the past - how people express their culture, beliefs, and values. - how people preserve their history Key Concepts: perspective, reflection, form Related Concepts: Native American history, legends and myths, measurement</p>	<p>11/1/21-12/17/21 Central Idea: People use processes to understand and impact the world. Lines of Inquiry: - How processes can affect our lives - How scientists use processes. - Understanding processes. Key Concepts: connection, change, causation Related Concepts: investigate, explain, examine, compare, problem solving</p>	<p>9/20/21-10/29/21 Central Idea: Location can influence the resources we use. Lines of Inquiry: - The necessity of plants and animals - Ways agriculture helps people live - how supply and demand depend on resources Key Concepts: connection, causation Related Concepts: Agriculture, economics, supply and demand</p>	<p>4/4/22-5/13/22 Central Idea: Living things access resources depending on their opportunities Lines of Inquiry: -how living things adapt to their environment -the effect of resources on living things -the ways we can conserve natural resources Key Concepts: change, reflection, responsibility Related Concepts: environment, energy, living things, dependence, balance, equal opportunity</p>

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3rd Grade	<p>11/15/21-1/28/22 Central Idea: Our experiences and cultural traditions shape our perspectives, beliefs and relationships with others. Lines of Inquiry: - how culture, experiences, and challenges shape people and their family relationships. - how different cultures develop, share, and preserve traditions - how culture and community shape what we value. Key Concepts: Form, Function, Connection, Reflection, Causation, Perspective, Change Related Concepts: Culture, relationships, perspective</p>	<p>9/27/21-11/12/21 Central Idea: Patterns of settlement are influenced by the environment Lines of Inquiry: - How environment affects settlement patterns - How resources and climate affect settlement -the availability of food sources and how it impacts survival Key Concepts: causation, connection, change Related Concepts: Adaptation, habitat, settlements, exploration, geography, climate, resources.</p>	<p>3/28/22-4/29/22 Central Idea: Different materials can be used to express ideas artistically. Lines of Inquiry: - How people use the sun and stars to create art - The art forms created in the world around us - How people use poetry to express themselves - How the sun and stars benefit our lives Key Concepts: causation, form, function, perspective Related Concepts: Sun and stars, landforms, energy</p>	<p>5/2/22-5/27/22 Central Idea: People can use their understanding of scientific principles in their daily lives. Lines of Inquiry: - how scientific methods impact our daily lives. - how scientists collect data during investigations. - how scientists communicate their findings. Key Concepts: Causation, function, perspective Related Concepts: Matter, energy, innovation</p>	<p>8/10/21-9/24/21 Central Idea: Systems can provide living things with organization and structure in order to meet needs. Lines of Inquiry: - Structure influences how things are organized - Roles within a system connect to a common goal - The function of systems helps to attain wants and needs Key Concepts: function, connection, form Related Concepts: structure, interdependence, roles</p>	<p>1/31/22-4/1/22 Central Idea: Scientific advances have an effect on living things. Lines of Inquiry: -living things -our responsibility to protect natural habitats and the living things in them. - the purpose of scientific advancements and how they affect the environment that is shared by all living things Key Concepts: responsibility, change, function Related Concepts: Conservation, environment, scientific advancements.</p>
4th Grade	<p>8/10/21-9/29/21 Central Idea: Decisions and choices affect our well-being. Lines of Inquiry: -how our actions affect health -how plants and animals contribute to our well-being -how financial choices affect our well-being Key Concepts: reflection, causation, responsibility Related Concepts: Lifestyle, balance, choice, needs</p>	<p>1/18/22-2/25/22 Central Idea: Explorations leads to change in civilizations Lines of Inquiry: - indigenous tribes - How the universe is used in the navigation of exploration - The motivations of exploration and discovery - The effects of exploration and discovery Key Concepts: causation, change, connection Related Concepts: Exploration, navigation, indigenous tribes</p>	<p>11/29/21-1/14/22 Central Idea: Personal expression can inspire societal change Lines of Inquiry: - Ways people express their opinions and ideas -how and why change is inspired. -individuals that inspire change Key Concepts: causation, change, perspective Related Concepts: Civil rights</p>	<p>10/4/21-11/19/21 Central Idea: Understanding the natural world drives human societies Lines of Inquiry: -Properties and changes of the natural world -How energy is used in human societies - How the natural world impacts society Key Concepts: change, causation, function Related Concepts: Natural resources, interaction, energy</p>	<p>2/28/22-4/20/22 Central Idea: Humans may create systems that can solve problems and support human endeavors. Lines of Inquiry: - What a system is - the purpose and function of systems -the way systems connect with each other Key Concepts: form, function, connection Related Concepts: systems, plant systems, government systems</p>	<p>4/21/22-5/27/22 Central Idea: We share the planet with many living things and our actions can affect their existence. Lines of Inquiry: - How living things impact the environment - How the environment adapts to change - How living things use resources Key Concepts: change, responsibility, connection Related Concepts: Invasive species, living things, environmental adaptation</p>
5th Grade	<p>10/4/21-11/19/21 Central Idea: We are formed by relationships between various systems. Lines of Inquiry: - the roles of various systems -the functions and relationships within systems - the impact of systems Key Concepts: function, form, connection, responsibility Related Concepts: Systems, structures, conflict, rights, relationships, consequences, significance, progress</p>	<p>5/2/22-5/27/22 Central Idea: Progress can be made through the utilization of tools and innovative ideas. Lines of Inquiry: - economic and technological growth - the utilization of tools and ideas Key Concepts: change, function Related Concepts: Conflict, discovery, progress, tools, innovative ideas, economy</p>	<p>8/10/21-10/1/21 Central Idea: Ideas evolve due to a development of causes, effects, and their created outcomes. Lines of Inquiry: - how ideas are formed - the journey of evolving ideas - how ideas evolve to create change. Key Concepts: connection, responsibility, perspective Related Concepts: cause, effect, outcomes, evolution, push, pull</p>	<p>11/29/21-2/4/22 Central Idea: Investigation leads to the understanding of process, transformations, and classifications. Lines of Inquiry: - how to investigate - the investigation of processes - classifying parts of a process - The investigation of transformations Key Concepts: Reflection, causation, perspective, change Related Concepts: Classification, transformation, processes</p>	<p>2/7/22-4/29/22 Central Idea: The organization of systems contributes to their purpose and outcome. Lines of Inquiry: -The structure and function of systems -The patterns of organized systems Key Concepts: form, function, connection Related Concepts: Organization, solar system, colonial life, interconnectedness, development, roles, characteristics</p>	<p>Throughout Year Central Idea: Cultural ecologies interact to shape various relationships within and between communities. Lines of Inquiry: - the interconnectedness of geographical location and ancient civilizations - the political, economic, and social aspects of cultural development in ancient civilizations. - how ancient civilizations are influenced by natural events. Key Concepts: change, causation, connection Related Concepts: culture, settlement, geography, community, relationship, natural events</p>