

Dundee Elementary Academy

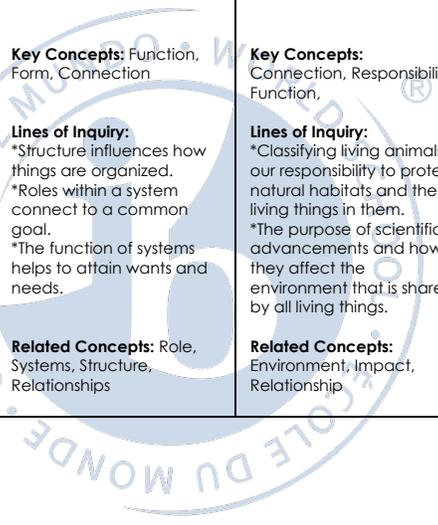
Primary Years Programme of Inquiry (2022-2023)

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
Transdisciplinary Theme	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>Dates: 8/3/22-10/7/22</p> <p>Central Idea: A person's identity is shaped by their environment and actions.</p> <p>Key Concepts: Connection, Causation, Responsibility</p> <p>Lines of Inquiry: *Our decisions and actions affect our lives and others. *The attributes that shape who we are. *We use our senses to understand ourselves, others, and the world around us.</p> <p>Related Concepts: Relationships, Structure, Identity, Senses</p>	<p>Dates: 10/10/22-12/2/22</p> <p>Central Idea: Observing patterns in our environment; help with navigation.</p> <p>Key Concepts: Perspective, Function, Causation</p> <p>Lines of Inquiry: *How our observations of the world help shape our perspective. *How landforms impact how we navigate *Using maps to find people, places, and things</p> <p>Related Concepts: Patterns (day/night, big/small, Positional words), Physical Environment, Navigate</p>	<p>Dates: 4/10/23-5/31/23</p> <p>Central Idea: People, events, and cultures can be honored throughout traditions and celebrations.</p> <p>Key Concepts: Form, Connection, Perspective</p> <p>Lines of Inquiry: *The appreciation of how others express their culture through traditions and celebrations *Ways culture can be expressed through music and art *Ways culture can be expressed through dance and music</p> <p>Related Concepts: Expression, Beliefs and Values, Culture</p>	<p>Dates: 12/5/22-2/10/23</p> <p>Central Idea: Innovations can impact people and the environment.</p> <p>Key Concepts: Form, Function, Change</p> <p>Lines of Inquiry: *How the past influences the future *Ways materials can be used or changed for a variety of purposes *Exploring inventions and innovations</p> <p>Related Concepts: Adaptation, Innovation, Exploration</p>	<p>Dates: 2/13/23-4/6/23</p> <p>Central Idea: How the environment affects the structure and function of plants and animals.</p> <p>Key Concepts: Function, Connection, Form</p> <p>Lines of Inquiry: *The structure and function of animals *The structure and function of plants *How plants and animals are alike and different</p> <p>Related Concepts: Weather, Environment, Interdependence, Needs/Wants</p>	<p>Not Applicable for Kindergarten</p>
1st Grade	<p>Dates: 10/3/22-11/18/22</p> <p>Central Idea: Senses help shape our perceptions.</p> <p>Key Concepts: Connection, Perspective, Function</p> <p>Lines of Inquiry: *How we use our senses to understand ourselves and the world around us. *How we develop understanding and respect for other people's similarities and differences. *Using empathy to make a difference.</p> <p>Related Concepts: Community Involvement, Needs vs. Wants, Decision Making</p>	<p>Dates: 1/23/23-3/10/23</p> <p>Central Idea: We honor people from history who have influenced our society.</p> <p>Key Concepts: Connection, Perspective, Change.</p> <p>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.</p> <p>Related Concepts: Chronology, History, Heritage, Honor</p>	<p>Dates: 5/1/23-5/31/23</p> <p>Central Idea: Ideas, beliefs, and values can shape culture, traditions, and celebrations.</p> <p>Key Concepts: Perspective, Causation, Function</p> <p>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.</p> <p>Related Concepts: Traditions, Celebrations, Diversity, Values, Culture, Relationships, Dependence</p>	<p>Dates: 11/28/22-1/20/23</p> <p>Central Idea: Natural laws can be observed to learn about the world.</p> <p>Key Concepts: Form, Function, Connection</p> <p>Lines of Inquiry: *Natural laws. *How natural laws affect the world. *Using observations and discoveries to learn about our world.</p> <p>Related Concepts: Forces, Motion, Discoveries</p>	<p>Dates: 8/3/22-9/30/22</p> <p>Central Idea: A community is driven by the involvement and actions of its members.</p> <p>Key Concepts: Connection, Responsibility, Function</p> <p>Lines of Inquiry: *The wants and needs of a community. *The roles and contributions that shape our community. *How community decisions are made.</p> <p>Related Concepts: Community Involvement, Needs vs. Wants, Decision Making</p>	<p>Dates: 3/20/23-4/28/23</p> <p>Central Idea: Living things have needs that can be met by other living things and their environment.</p> <p>Key concepts: Change, Causation, Form</p> <p>Lines of Inquiry: *The changes of living things. *The basic needs of living things in their environment. *How personal actions affect the world.</p> <p>Related concepts: Living Things, Plants, Environment, Habitat, Resources, Organism, Interdependence</p>

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2nd Grade	<p>Dates: 8/3/22-9/16/22</p> <p>Central Idea: Rights and responsibilities help citizens function.</p> <p>Key Concepts: Function, Form, Responsibility</p> <p>Lines of Inquiry: *The function and values of the organization to rules and laws. *The purpose and forms of government. *The responsibility of having good citizenship.</p> <p>Related Concepts: Function, Structure</p>	<p>Dates: 2/6/23-3/24/23</p> <p>Central Idea: Migration is a response to human experiences.</p> <p>Key Concepts: Connection, Causation</p> <p>Lines of Inquiry: *Human migration throughout history. *The causes of migration. *The effects of migration.</p> <p>Related Concepts: Purpose, Relationship</p>	<p>Dates: 1/5/23-2/3/23</p> <p>Central Idea: People express themselves in order to preserve culture, beliefs or values.</p> <p>Key Concepts: Perspective, Form</p> <p>Lines of Inquiry: *How history reveals the life of people from the past. *How people express their culture, beliefs, and values. *How people preserve their heritage.</p> <p>Related Concepts: Identity, Perception</p>	<p>Dates: 11/7/22-12/16/22</p> <p>Central Idea: People use processes to understand and impact the world.</p> <p>Key Concepts: Causation, Function, Form</p> <p>Lines of Inquiry: *How processes can affect living things. *How scientist use processes. *Understanding processes.</p> <p>Related Concepts: Organization, Discovery/Exploration</p>	<p>Dates: 9/19/22-11/4/22</p> <p>Central Idea: Location can influence the resources we use.</p> <p>Key Concepts: Connection, Causation, Change</p> <p>Lines of Inquiry: *The necessity of plant and animals. *Ways agriculture helps people live. *How supply and demand depend on resources.</p> <p>Related Concepts: Sequence, Movement</p>	<p>Dates: 3/27/23-5/31/23</p> <p>Central Idea: Living things access resources depending on their opportunities.</p> <p>Key Concepts: Change, Responsibility</p> <p>Lines of Inquiry: *How living things adapt to their environment. *The effect of resources on living things. *The ways we can conserve natural resources.</p> <p>Related Concepts: Differences, Design</p>
3rd Grade	<p>Dates: 12/5/22-2/3/23</p> <p>Central Idea: Our experiences and cultural traditions shape our perspectives, beliefs, and relationships with others.</p> <p>Key Concepts: Form, Perspective, Change</p> <p>Lines of Inquiry: *How location impacts cultural traditions and relationships. *How different cultures develop, share and preserve traditions. *How culture and community shape what we value.</p> <p>Related Concepts: Beliefs, Culture, Diversity, Traditions</p>	<p>Dates: 10/3/22-12/2/22</p> <p>Central Idea: Environment defines settlement.</p> <p>Key Concepts: Change, Connection, Causation</p> <p>Lines of Inquiry: *How environment affects settlement patterns. *How resources and climate affect settlement. *The availability of food sources and how it impacts survival.</p> <p>Related Concepts: Impact, Adaptation, Interdependence</p>	<p>Dates: 4/10/23-5/5/23</p> <p>Central Idea: Different materials can be used to express ourselves artistically.</p> <p>Key Concepts: Causation, Form, Perspective</p> <p>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.</p> <p>Related Concepts: Expression, Design, Creativity</p>	<p>Dates: 5/8/23-5/31/23</p> <p>Central Idea: People can use and apply their understanding of science in their daily lives.</p> <p>Key Concepts: Causation, Function, Perspective</p> <p>Lines of Inquiry: *How our knowledge of science impacts our daily lives. *How scientists collect data and research during investigations. *How scientists communicate their findings.</p> <p>Related Concepts: Laws, Properties, Principles</p>	<p>Dates: 8/3/22-9/30/22</p> <p>Central Idea: Systems provide structure for living things.</p> <p>Key Concepts: Function, Form, Connection</p> <p>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.</p> <p>Related Concepts: Role, Systems, Structure, Relationships</p>	<p>Dates: 2/6/23-4/6/23</p> <p>Central Idea: Scientific advancements have an effect on living things.</p> <p>Key Concepts: Connection, Responsibility, Function.</p> <p>Lines of Inquiry: *Classifying living animals, 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.</p> <p>Related Concepts: Environment, Impact, Relationship</p>



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4th Grade	<p>Dates: 8/3/22-9/30/22</p> <p>Central Idea: Decisions and choices affect our well-being.</p> <p>Key Concepts: Perspective, Causation, Responsibility</p> <p>Lines of Inquiry: *How our actions affect health. *How plants and animals contribute to our well-being. *How financial choices affect our well-being.</p> <p>Related Concepts: Lifestyle, Balance, Choice, Needs</p>	<p>Dates: 11/14/22-1/13/23</p> <p>Central Idea: Exploration led to change in civilizations.</p> <p>Key Concepts: Form, Causation, Change, Connection</p> <p>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.</p> <p>Related Concepts: Exploration, Navigation, Indigenous Tribes</p>	<p>Dates: 1/17/23-2/24/23</p> <p>Central Idea: Personal expression can inspire societal change.</p> <p>Key Concepts: Causation, Change, Perspective</p> <p>Lines of Inquiry: *Ways people express their opinions and ideas. *How and why change is inspired. *Individuals that inspire change.</p> <p>Related Concepts: Civil rights</p>	<p>Dates: 10/3/22-11/10/22</p> <p>Central Idea: Understanding the natural world drives human societies.</p> <p>Key Concepts: Change, Causation, Function</p> <p>Lines of Inquiry: *Properties and changes of the natural world. *How energy is used in human societies. *How the natural world impacts society.</p> <p>Related Concepts: Natural Resources, Interaction, Energy</p>	<p>Dates: 2/27/23-4/14/23</p> <p>Central Idea: Humans may create systems that can solve problems and support human endeavors.</p> <p>Key Concepts: Form, Function, Connection</p> <p>Lines of Inquiry: *What a system is. *The purpose and function of systems. *The way systems connect with each other.</p> <p>Related Concepts: Systems, Plant Systems, Government Systems</p>	<p>Dates: 4/17/23-5/31/23</p> <p>Central Idea: We share the planet with many living things and our actions can affect their existence.</p> <p>Key Concepts: Change, Responsibility, Connection</p> <p>Lines of Inquiry: *How living things impact the environment. *How the environment adapts to change. *How living things use resources.</p> <p>Related Concepts: Invasive Species, Living Things, Environmental Adaptation</p>
	5th Grade	<p>Dates: 10/10/22-12/2/22</p> <p>Central Idea: Living systems work together in order to survive.</p> <p>Key Concepts: Function, Causation</p> <p>Lines of Inquiry: *Living Systems of Animals. *Living Systems of Plants. *Living Systems of Humans. *Interdependence of Living Systems.</p> <p>Related Concepts: Systems, Structures, Conflict, Rights, Relationships, Consequences, Significance, Progress</p>	<p>Dates: 5/8/23-5/31/23</p> <p>Central Idea: Exploration leads to new opportunities.</p> <p>Key Concepts: Change, Causation</p> <p>Lines of Inquiry: *Learning about the Westward Expansion. *The importance of exploration *The challenges of exploration</p> <p>Related Concepts: Conflict, Discovery, Progress, Tools, Innovative Ideas, Economy</p>	<p>Dates: 8/3/22-10/7/22</p> <p>Central Idea: Investigating helps to discover and express ideas.</p> <p>Key Concepts: Form, Responsibility</p> <p>Lines of Inquiry: *Developing and planning an investigation. *Conducting an investigation. *Expressing results of investigations to justify discoveries.</p> <p>Related Concepts: Investigate, Discover, Analyze, Interpret, Conditions, Variable, Data, Logic</p>	<p>Dates: 12/5/22-2/10/23</p> <p>Central Idea: Natural laws can help people understand the world around them.</p> <p>Key Concepts: Perspective, Connection</p> <p>Lines of Inquiry: *Natural Laws in the real world: Energy, *Natural Laws in the real world: Force/Motion, *Natural Laws in the real world: Matter. *Natural Laws in the real-world Physical/Chemical Change.</p> <p>Related Concepts: Classification, Transformation, Processes</p>	<p>Dates: 2/13/23-5/5/23</p> <p>Central Idea: Society needs systems to survive.</p> <p>Key Concepts: Connection, Causation</p> <p>Lines of Inquiry: *The Structure of Systems (Government). *The Function of Systems (Water Cycle/Weather). *The Purpose of Systems (Solar Planets & Rocks).</p> <p>Related Concepts: Weather, Climate, Geography, Patterns, Systems, Resources, Safety</p>