Kdg Units of Inquiry

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| **Where We Are in Place and Time**  **Central Idea:** Finite resources are shared by all.  **Key Concepts:** form, function, causation  **Related Concepts:** organization, interdependence  **Lines of Inquiry**:   Physical attributes of common materials   Similarities and differences of objects  Sorting and organizing materials | **Sharing the Planet**  **Central Idea:** Symbols are expressions of shared beliefs and values  **Key Concepts:** connection, perspective  **Related Concepts:** patriotism, problem solving, inter-dependence  **Lines of Inquiry**:   Importance of American Symbols   Important people in history  Effect of choices made by important people in history | **Who We Are**  **Central Idea:** The world is all unique with similarities and differences.  **Key Concepts:** form, change, connection  **Related Concepts:** beliefs, cultures, cooperation, citizenship, geometry  **Lines of Inquiry**:   Appreciation of heritage and culture  Living and nonliving thing grow and change  A spatial perception of the world | **How the World Works**  **Central Idea:** Living and non-living things help us to understand the world around us.  **Key Concepts:** form, change, function  **Related Concepts:** Problem solving, interdependence  **Lines of Inquiry:**   Recognize the difference between living and nonliving things   An investigation of plant and animal features   Investigating the similarities and differences in groups of organisms   An investigation into the similarities and differences between a mother and child |

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| **Where We Are in Place and Time**    **Central Idea:** Past discoveries have contributed to our values, beliefs and traditions.  **Key Concepts:**  connection, perspective, reflection  **Related Concepts:**  Light/sound ,folklore, heritage  **Lines of Inquiry:**  Understanding folklores and heritage  Scientists exploration of light and sound.  Cause and effect of historical events | **Sharing the Planet**  **Central Idea:** Location affects how living and nonliving organisms work together.  **Key Concepts:** form, function, connection  **Related Concepts:** topographical features (water, land features) , plants, animals  **Lines of Inquiry:**  Living things have special needs and characteristics Topographical features creates the earth’s surface Cardinal/intermediate directions describes a location Data represents or describes a location | **How We Express Ourselves**  **Central Idea:** Curiosity causes scientific exploration.  **Key Concepts:**  Form, causation, connection  **Related Concepts:**  properties of light & sound, magnetism  **Lines of Inquiry:**  Exploration of sound  Investigating with light  Function of magnets |

1st Grade Units of Inquiry

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| **How We Organize Ourselves**  **Central Idea:** Communities function in various ways that contribute to the wants and needs of its members.  **Key Concepts:**  form, perspective, change  **Related Concepts:** inquiry skills, economics, folktales  **Lines of Inquiry:**  Public services are a part of our community  Different inventions have made our community better Community contributions | **Who We Are**  **Central Idea:** . Economic choices of consumers can lead to positive or negative outcomes.  **Key Concepts:** form, causation, connection  **Related Concepts:**  economy, scarcity, decision making  **Lines of Inquiry:**  Consumers and producers each have specific functions  Costs and benefits of spending and saving of spending  Scarcity forces decision making. | **How the World Works**  Central Idea: Weather patterns can be challenged through scientific inquiry .  Key Concepts:  change, form, function  Related Concept  Seasons, weather patterns, states of water  Lines of Inquiry:  Observations and predictions of weather.  Weather conditions correlate with seasonal changes.  Water has many forms. |

2nd Grade Units of Inquiry

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| **Where We Are in Place and Time**  **Central Idea:** Culture and location of a place influences our world.    **Key Concepts:**  connection, causation, reflection,    **Related Concepts:** Historical cultures & people,    **Lines of Inquiry:** Human use of natural environment Past innovators influence our culture Changes can be recorded over time | Sharing the Planet  **Central Idea:**  Patterns help us understand relationships between organisms, places, ideas, and events.    **Key Concepts:**  Change, connection, function    **Related Concepts:**  Life cycle, place value, story elements    **Lines of Inquiry:** Human use of natural environment Living things grown in a cycle Patterns in Literature fosters understanding. Number systems are a universal language | How We Express Ourselves  **Central Idea:** An appreciation of history and science can be expressed through the arts.  **Key Concepts:**  Reflection, Perspective, responsibility    **Related Concepts:**   Historical figures, expression, space exploration    **Lines of Inquiry:** Appreciation of past historical figures influences the present The exploration of past scientific discoveries Different perspectives influence the creativity. |

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| **How We Organize Ourselves**  **Central Idea:** Economic activities and natural events impact society.    **Key Concepts:**  Function, responsibility, causation    **Related Concepts:**  Natural disasters, goods & services, spending    **Lines of Inquiry:** Humans are affected by natural events . Goods and services impact our economy . Making responsible choices with money. | **Who We Are**  **Central Idea:**   Systems create order and understanding in our community and world.    **Key Concepts:**  Connection, function, causation  **Related Concepts:**  Government, forms of energy    **Lines of Inquiry:** Resources help gain information Different forms of energy Organization of communities Responsibility of citizens | **How the World Works**  **Central Idea:** Matter can be defined by properties and undergo change.  **Key Concepts:**  Change, form, function  **Related Concepts:**  States of Matter, Properties and characteristics of matters **Lines of Inquiry:** Matter can be manipulated Matter has properties  Matter can be investigated through experiments. |

3rd Grade Units of Inquiry

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| **Where We Are in Place**  **Central Idea:** Artifacts and ancient civilizations influence decisions of the present.    **Key Concepts** connection, reflection, responsibility    **Related Concepts:**  Ancient cultures, fossils, democracy    **Lines of Inquiry:** Impact of relationships amongst ancient civilizations. Fossils and artifacts tell us about the past.  Current systems are influenced by ancient systems | **Sharing the Planet**  **Central Idea:** Geographical locations are design to meet the needs of all living things.  **Key Concepts:**  change, function, responsibility    **Related Concepts:**  conservation, adaptations,  regions  **Lines of Inquiry:** Animals/plants have different characteristics/physical features that help them survive.  Physical features of habitats affect how animals/plants live.  Habitats are affected by humans and nature. | **How we Express Ourseles**  **Central Idea:** Knowledge of how the past helps us understand how to express ideas and beliefs.    **Key Concepts:**  connection change, perspective    **Related Concepts:**  writing process, literature and writing genres    **Lines of Inquiry:**  -How to create different types of writing.  - Construction of Writing  -Showing different forms of Expression |

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| **How We Organize Ourselves**  **Central Idea:**  Human made systems impact how we live.    **Key Concepts:**  Function, form, and responsibility    **Related Concepts:**  Citizenship, Government, Roles    **Lines of Inquiry:**  Functions of government  Roles &rights of citizens  Structure of different governments | **Who We Are**  **Central Idea:**  Economic systems impact human relationships and decision making.  **Key Concepts:**  Function ,causation, responsibility    **Related Concepts:**  Trade, interdependence, voluntary exchange    **Lines of Inquiry:**  Geography influences economic decisions  Production and exchange of goods and services  Organization of economic systems | **How the World Works**  **Central Idea:** Distinctive physical features gives a place its identity.    **Key Concepts:**  form, change, causation    **Related Concepts:**  geography, natural resources, weathering and erosion  **Lines of Inquiry:** Interaction between the natural world (physical and biological) and human societies. Weathering and erosion changes the location  Landforms and bodies of water impact how people live  Formation of natural resources |

4th Grade Units of Inquiry

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| **Where We Are in Place and Time Central Idea:** Movement of all things and people bring about change.  **Key Concepts:**  form, causation, connection, change  **Related Concepts:**  migration, exploration, interdependence, solar system  **Lines of Inquiry:**  Obstacles and accomplishments of migration  Exploration brings about change  Challenges of expansion | **Sharing the Planet**  **Central Idea:** Beliefs and ideas may lead to conflict.  **Key Concepts:**  reflection, connection, causation  **Related Concepts:** conflict, revolution, freedom  **Lines of Inquiry:** Factors that lead to War  The need for organize governments  Causes of conflict amongst people  - | **How We Express Ourselves**  **Central Idea:**  Organized structures impact freedom of expression.  **Key Concepts:**  change, perspectives, responsibility  **Related Concepts:**  government, beliefs, expression  **Lines of Inquiry:**  People expressed feelings through the arts.  Function of government  Government controls over expression. |

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| **How We Organize Ourselves**  **Central Idea:** Territorial expansion effect communities.  **Key Concepts:**  causation, reflection, connection  **Related Concepts:**  Expansion, suffrage, inventions  **Lines of Inquiry:**  - Reasons for expansion  -Negative impact of expansion  - Technology effects expansion | **Who We Are**  **Central Idea:** Beliefs and values impact economic decision-making.  **Key Concepts:**  form, change, causation  **Related Concepts:**  Settlements, economics, beliefs  **Lines of Inquiry:**  Beliefs and values establish settlements.  Economics Factors that affect development of settlements.  Religion, geography, and climate affects decision making in colonies | **How the World Works**  **Central Idea:**  Interdependence of organisms sustains biodiversity.  **Key Concepts** Causation, Reflection, Connection: Responsibility  **Related Concepts:**  Food chain, ancient cultures, interdependence  **Lines of Inquiry:**  People rely on the natural world  Impact of organisms’ interaction on the physical environment  Interdependence of organisms create a balance |

5th Grade Units of Inquiry

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| **Where We are in Place and Time**  **Central Idea:** Discoveries and implications impacts society growth.  **Key Concepts:** Causation, Reflection, Change  **Related Concepts:** Expansion, Emigration, Reformation  **Lines of Inquiry:** Expansions causes society to grow Innovations impact humankind Reforms bring about change | **Sharing the Planet**  Exhibition  **Central Idea:**  Global citizens have certain rights and responsibilities and take action when rights are violated**.** | **How We Express Ourselves**  **Central Idea:**  Self expression is influenced by historical events  **Key Concepts** Causation, Function, Connection  **Related Concepts:**  Conflict, Creativity, Force  **Lines of Inquiry:** Expansions causes society to grow Actions of individuals, groups, and/or institutions affect society People express their ideas and uniqueness through the arts The arts as a catalysis for change |

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| **How We Organize Ourselves**  **Central Idea:** Groups needs structure in order to function.  **Key Concepts**  Perspective, function, causation  **Related Concepts:**  Functions of cells, injustices, microorganisms    **Lines of Inquiry:** Unstructured systems bring about conflict Functions of plant and animal cells Perspective of different groups of people. | **Who We Are**  **Central Idea:** The knowledge of self-influences the development of society.  **Key Concepts** Connections, form, responsibilities  **Related Concepts:**  Citizens rights, genetics, systems  **Lines of Inquiry:** People’s ideas and feelings influence their decisions. Physical traits and the environment impact who we are Organized systems brings about change. | **How the World Works**  **Central Idea:** Humans and nature have affected and shaped modern society**.**  **Key Concepts**  Form, responsibility, perspective  **Related Concepts:** destructive forces, culture, sustainability,  **Lines of Inquiry:** Changes in nature impact all living things  Types /Causes of oppression  Destructive forces cause change |