



Rogers International School Program of Inquiry
2019-2020 School Year

Updated May 21, 2019

| | Who we are 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. | Where we are in place and time 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. | How we express ourselves 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. | How the world works 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. | How we organize ourselves 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. | Sharing the Planet 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. |
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| K | Central Idea: We are unique individuals with similarities and differences. Key Concepts: Form, Connection, Perspective Lines of Inquiry: <ul style="list-style-type: none"> • Uniqueness • My physical characteristics • My feelings-likes and dislikes | Central Idea: Individuals come from various backgrounds that create diversity. Key Concepts: Form, Perspective, Connection Lines of Inquiry: <ul style="list-style-type: none"> • Ways to learn about our backgrounds • Personal history • Cultural diversity | Central Idea: Stories are universal forms of communication. Key Concepts: Form, Function, Connection Lines of Inquiry: <ul style="list-style-type: none"> • Story elements • Purposes of stories • How stories make us feel | Central Idea: The world is influenced by forces and motion. Key Concepts: Function, Causation, Change Lines of Inquiry: <ul style="list-style-type: none"> • Force • Magnetism • Motion | Central Idea: The school is a place where people work together in order to learn. Key Concepts: Form, Connection, Responsibility Lines of Inquiry: <ul style="list-style-type: none"> • Jobs people have in a school • Interconnectedness of jobs within a school | Central Idea: The sunlight's energy affects the earth's surface. Key Concepts: Function, Connection, Responsibility Lines of Inquiry: <ul style="list-style-type: none"> • Sunlight warms earth's surface • The sun's energy affects weather patterns |
| 1 | Central Idea: A balance between nutrition, physical activity and emotional intelligence contributes to human health when we make informed choices. Key Concepts: Change, Connection, Responsibility Lines of Inquiry: <ul style="list-style-type: none"> • Healthy and balanced life styles • Nutrition • Behavior that is harmful and helpful your health • Developing emotional intelligence | Central Idea: Homes are built for different reasons in a variety of places. Key Concepts: Form, Function, Connection Lines of Inquiry: <ul style="list-style-type: none"> • Types of different building materials for homes in our region • Features and design of homes from other areas • Reasons homes are made from different materials, and designed in different ways | Central Idea: People communicate their ideas through various art forms. Key Concepts: Form, Function, Perspective Lines of Inquiry: <ul style="list-style-type: none"> • Self expression • Various art forms (music, dance, painting, photography, creative writing) | Central Idea: Organisms have tools for survival. Key Concepts: Form, Causation, Change Lines of Inquiry: <ul style="list-style-type: none"> • Biomimicry • Structures of living things • Patterns and behaviors of parents and their offspring • Case Study: <ul style="list-style-type: none"> ○ Insects, plants, mammals (heredity and traits) | Central Idea: Light and sound systems help humans communicate and organize systems that are a part of everyday life. Key Concepts: Form, Function, Perspective Lines of Inquiry: <ul style="list-style-type: none"> • Communication forms • Sound and light waves • Impact of light and sound inventions on human-made systems | <i>Weather or Not to Protect Ourselves</i> Central Idea: Patterns in the universe affect the way people live. Key Concepts: Causation, Change, Function Lines of Inquiry: <ul style="list-style-type: none"> • Weather • Earth's orbital rotation around the sun • Seasonal weather patterns • Decisions people make that are dependent upon predictable patterns |
| 2 | Central Idea: A community is a group of people with shared responsibilities working together toward a common purpose. Key Concepts: Function, Responsibility, Change Lines of Inquiry: <ul style="list-style-type: none"> • Communities • Responsibilities of community members • Interconnectedness of community members | Central Idea: Peace results from accepting that there are diverse perspectives and managing conflict. Key Concepts: Responsibility, Perspective Lines of Inquiry: <ul style="list-style-type: none"> • Acceptance of diverse perspectives • Conflict resolution • Global figures who help(ed) manage conflicts | Central Idea: Developing international-mindedness contributes to the understanding and expression of a person's values and beliefs. Key Concepts: Responsibility, Perspective, Connection Lines of Inquiry: <ul style="list-style-type: none"> • IB learner profile • Responsibilities that go beyond academic (school) environment • How personal experience shapes perspective | Central Idea: Matter has different characteristics. Key Concepts: Form, Function, Change Lines of Inquiry: <ul style="list-style-type: none"> • Properties of objects • Solids, liquids, gasses • Chemical and physical changes | Central Idea: The geography and climate of an area influences the population and daily life of a region. Key Concepts: Form, Connection, Causation Lines of Inquiry: <ul style="list-style-type: none"> • Geographical Features • Native resources • Case Study <ul style="list-style-type: none"> ○ Regions of the US ○ Work and products in/from particular regions | <i>Living Together</i> Central Idea: Living things are interdependent and rely on the earth's natural resources. Key Concepts: Function, Responsibility, Connection Lines of Inquiry: <ul style="list-style-type: none"> • Natural resources • Basic needs of living things • Interdependence • Conservation and preservation |

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| 3 | <p>Central Idea: Increasing self-awareness enhances our ability to learn about other’s perspectives and communicate our own. Key Concepts: Form, Responsibility, Connection</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Social interactions • The role of an active learner • Individual rights and responsibilities | <p>Central Idea: People immigrate for a variety of reasons. Key Concepts: Causation, Connection, Perspective Lines of Inquiry:</p> <ul style="list-style-type: none"> • Causes of immigration • Effects of immigration • Patterns of immigration | <p>Central Idea: Cultures tell stories as a way of passing beliefs, traditions and history to future generations. Key Concepts: Connection, Perspective, Responsibility Lines of Inquiry:</p> <ul style="list-style-type: none"> • Native cultures • Commonalities in folk tales among various cultures • Oral storytelling | <p>Central Idea: Natural forces are constantly transforming the surface of the earth. Key Concepts: Form, Change, Causation Lines of Inquiry:</p> <ul style="list-style-type: none"> • landforms • internal and external forces that transform the earth’s surface • properties of earth’s materials | <p>Central Idea: Humans have developed systems to organize and support themselves. Key Concepts: Function, Connection, Perspective Lines of Inquiry:</p> <ul style="list-style-type: none"> • organizations of systems • Systems needed to support a community (ie. schools, agriculture, transportation, housing, culture, government) • Functions of systems and how they are interrelated | <p>Central Idea: A cause and effect relationship exists between humans and ecosystems. Key Concepts: Function, Connection, Responsibility Lines of Inquiry:</p> <ul style="list-style-type: none"> • Ecosystems • Plant and animal interaction within an ecosystem • Food webs/food chains • Human impact on ecosystems • Contributions of various ecosystems |
| 4 | EXHIBITION! | <p>Central Idea: Inquiry drives innovation and discovery. Key Concepts: Form, Causation, Responsibility Lines of Inquiry:</p> <ul style="list-style-type: none"> • Origins of discovery • Causes and effects of discoveries • Advantages and disadvantages of discoveries | <p>Central Idea: Human thoughts, ideas and emotions are expressed in a variety of ways. Key Concepts: Form, Perspective, Reflection Lines of Inquiry:</p> <ul style="list-style-type: none"> • Purposes of expression • Interpretations of expression • Diverse ways in which humans express themselves, with a focus on poetry | <p>Central Idea: The world’s oceans and their movements affect the planet. Key Concepts: Change, Responsibility, Connection Lines of Inquiry:</p> <ul style="list-style-type: none"> • Ocean geography • Waves (water, light, sound) • Currents and tides | <p>Central Idea: Groups of people form settlements based on environments. Key Concepts: Function, Connection, Perspective Lines of Inquiry:</p> <ul style="list-style-type: none"> • natural history of an area • reasons why settlements arise • interactions within and between settlements • Case Study: Connecticut | <p>Central Idea: Energy is a resource in infinite demand. Key Concepts: Function, Change, Responsibility Lines of Inquiry:</p> <ul style="list-style-type: none"> • Generating energy • Magnetic energy • Renewable/nonrenewable sources of energy • Preservation and conservation |

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