

Roberts Elementary Programme of Inquiry

Age	Who we are <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>	Where we are in place and time <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>	How we express ourselves <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>	How the world works <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>	How we organize ourselves <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>	Sharing the planet <i>An inquiry into the 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>
5–6 K	<p>Central idea Feelings, abilities, and interest shape human identities.</p> <p>Key concepts: form, function, reflection Related concepts: uniqueness Lines of inquiry</p> <ul style="list-style-type: none"> • understanding what I look like and how I feel • understanding what I am good at and what I like to do • humans are different from other living/non-living/once-living things <p>September-October</p>	<p>Central idea Things we do and places we've been help shape who we are and how we look at the world.</p> <p>Key concepts: causation, perspective, change Related concepts: classification, history Lines of inquiry</p> <ul style="list-style-type: none"> • personal stories of self and others • common life experiences versus unique personal experiences • my family's place of origin and where we are now <p>November-December</p>	<p>Central idea Individuals and cultures use expression to communicate their beliefs and values.</p> <p>Key concepts: form, perspective, reflection Related concepts: beliefs, values, appreciation Lines of inquiry</p> <ul style="list-style-type: none"> • feelings evoked by artwork • various artistic techniques • appreciation of the masterpieces <p>September-May</p>	<p>Central idea Laws of nature have cause and effect relationships.</p> <p>Key concepts: function, change, causation Related concepts: cause/effect, climate, seasons, systems Lines of inquiry</p> <ul style="list-style-type: none"> • relationship between climate and weather • how weather impacts our lives • different types of weather <p>January-March</p>	<p>Central idea Jobs are essential for the well-being of a community.</p> <p>Key concepts: function, connection, responsibility Related concepts: interdependence, systems, roles Lines of inquiry</p> <ul style="list-style-type: none"> • types of jobs • the importance of working • needs of a community are interrelated <p>December-January</p>	<p>Central idea Cooperation allows for the peaceful use of resources.</p> <p>Key concepts: causation, change, responsibility Related concepts: cooperation Lines of inquiry</p> <ul style="list-style-type: none"> • human impact on the planet • how our choices affect Earth's resources • ways to conserve <p>March-May</p>
6–7 1 st	<p>Central idea How we choose to act with others affects our relationships.</p> <p>Key concepts: responsibility, reflection, causation Related concepts: friendship, citizenship, cooperation, communication Lines of inquiry</p> <ul style="list-style-type: none"> • thoughts, words and actions • types of choices • personality and character traits • developing and maintaining friendships <p>August-September</p>	<p>Central idea Changes through time affect our lives.</p> <p>Key concepts: form, change, connection Related concepts: time, progress, technology Lines of inquiry</p> <ul style="list-style-type: none"> • the similarities and differences across time • how human connections have changed • discoveries in technology <p>January-March</p>	<p>Central idea Humans express their ideas, imagination, and emotions through their words and actions.</p> <p>Key concepts: perspective, reflection, connection Related concepts: character, presentation, oral expression Lines of inquiry</p> <ul style="list-style-type: none"> • use of voice, facial expressions and body movements to communicate • use of voice to portray a character • use of inferences to understand character traits <p>March-April</p>	<p>Central idea Cycles influence our interaction with the world.</p> <p>Key concepts: form, function, change, Related concepts: cycles, classification, growth Lines of inquiry</p> <ul style="list-style-type: none"> • cycles of living and non-living things • similarities and differences of cycles • our understanding of cycles <p>November – December</p>	<p>Central idea Systems have parts that work together to maintain organization.</p> <p>Key concepts: form, function, connection Related concepts: systems, classification Lines of inquiry</p> <ul style="list-style-type: none"> • systems in our lives • parts of systems • roles, rules, and responsibilities <p>October</p>	<p>Central idea Actions impact the availability of resources.</p> <p>Key concepts: causation, connection, responsibility Related concepts: resources, conservation, consumption, scarcity Lines of inquiry</p> <ul style="list-style-type: none"> • the importance of resources to humans and ecosystems • the conservation, usage, and pollution of resources • the scarcity of resources throughout the world <p>May</p>
7–8 2 nd	<p>Central idea Personal and social relationships cultivate well-being.</p> <p>Key concepts: function, connection, responsibility Related concepts: systems, health, fitness, wellness Lines of inquiry</p> <ul style="list-style-type: none"> • the structure and function of body systems • building relationships • maintaining a healthy mind and body <p>April-May</p>	<p>Central idea Events shape outcomes that cause changes in the world.</p> <p>Key concepts: causation, change, connection Related concepts: artifacts, identity, tradition Lines of inquiry:</p> <ul style="list-style-type: none"> • events in our lives • defining characteristics • impact of events on the world <p>January-March</p>	<p>Central idea Understanding the works of others inspires the creation of ideas.</p> <p>Key concepts: form, connection, reflection Related concepts: expression, investigation, creation Lines of inquiry</p> <ul style="list-style-type: none"> • art, symbols, and celebrations • exploration of cultures • connection between investigation and creation <p>August-October</p>	<p>Central idea Understanding transformation of the world leads to informed choices.</p> <p>Key concepts: form, change, causation Related concepts: atmosphere, climate, system Lines of inquiry</p> <ul style="list-style-type: none"> • elements of the natural world • changes in science and technology • how change affects human choice <p>March-April</p>	<p>Central idea The structure of our environment influences our decisions.</p> <p>Key concepts: causation, perspective, responsibility Related concepts: choice, media, technology, audience, communication Lines of inquiry</p> <ul style="list-style-type: none"> • systems in our environment • how we make decisions • responsibility of individuals towards their environment <p>November-January</p>	<p>Central idea Interactions influence elements of a system.</p> <p>Key concepts: change, causation, responsibility Related concepts: systems, habitat, conservation Lines of inquiry</p> <ul style="list-style-type: none"> • components of ecosystems • changes within a system • responsibility to maintain systems <p>October - November</p>

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8–9 3 rd	Central idea Culture shapes traditions and values. Key concepts: causation, perspective, responsibility Related concepts: roles, culture, relationship, values Lines of inquiry <ul style="list-style-type: none"> rights and responsibilities the influence of values on actions traditions and celebrations August-October	Central idea Evolution occurs as a response to environment. Key concepts: form, change, causation Related concepts: environment, population, evolution Lines of inquiry <ul style="list-style-type: none"> information maps provide population changes how patterns in the natural world affect the environment January-February	Central idea People express their knowledge through order and evidence. Key concepts: function, perspective, reflection Related concepts: written expression Lines of inquiry <ul style="list-style-type: none"> expression of voice and style using evidence creating finished pieces of work April-May	Central idea Through innovative thinking, people create new technologies to overcome challenges. Key concepts: form, change, connection Related concepts: transformation, innovation Lines of inquiry <ul style="list-style-type: none"> How matter and energy changes Impact of breakthroughs and technologies Inventors and their inventions February-April	Central idea Informed decisions impact an economic system. Key concepts: form, function, connection Related concepts: systems, economics, sustainability Lines of inquiry <ul style="list-style-type: none"> How needs are met The interdependence of parts of a system Structures for success November-December	Central idea Communities adapt according to their needs and environmental changes. Key concepts: change, function, connection Related concepts: communities, survival, impact Lines of inquiry <ul style="list-style-type: none"> relationships within environments effects of human actions reasons for change October-November
9–10 4 th	Central idea Environment and characteristics contribute to one’s identity. Key concepts: connection, perspective, reflection Related concepts: communication, interpretation, identity Lines of inquiry <ul style="list-style-type: none"> How internal and external traits shape who we are How environment shapes perception How interactions provide a deeper understanding of self August-September	Central idea Migration is a response to human circumstances and challenges. Key concepts: causation, connection, change Related concepts: migration, connection Lines of inquiry <ul style="list-style-type: none"> Migrations of humankind throughout history (case study Texas natives) Causes and effects of migration on geography, communities, cultures, and individuals Homes and journeys October-November	Central idea Cultures express ideas, feelings, and beliefs through storytelling and the arts. Key concepts: form, connection, perspective Related concepts: self-expression, culture, interpretation Lines of inquiry <ul style="list-style-type: none"> reasons behind creativity cultural interpretation artistic expression April- May	Central idea Natural and human forces cause change. Key concepts: form, causation, change Related concepts: structure, evidence, transformation Lines of inquiry <ul style="list-style-type: none"> natural cycles how human societies affect the natural world (WaterWise) independence and progress (Texas Statehood) February- April	Central idea Structures impact the way we live by creating balance. Key concepts: Form, function, responsibility Related concepts: system, justice, freedom Lines of inquiry <ul style="list-style-type: none"> interdependence of living things forms and functions of organized structures rights and responsibilities January- February	Central idea Forms of energy have predictable outcomes that lead to conflict or change. Key concepts: function, causation, form Related concepts: resources, interdependence Lines of inquiry <ul style="list-style-type: none"> how energy works impact of energy alternatives (how conflict cause change) forms of energy November-December
10–11 5 th	Central idea Awareness forges responsible action. Key concepts: change, connection reflection Related concepts: education, metacognition/self-awareness Lines of inquiry <ul style="list-style-type: none"> The causes/effects of topic The solution of topic The advantages/disadvantages of topic October-May Exhibition	Central idea Movement pushes progression. Key concepts: function, causation, change Related concepts: exploration, transformation, movement Lines of inquiry <ul style="list-style-type: none"> Pursuit of advancement Shifts Forces January-February	Central idea People use effective words to influence society. Key concepts: form, perspective, responsibilities Related concepts: communication Lines of inquiry <ul style="list-style-type: none"> influences shaping a speaker’s words the intended and/or perceived meaning of a speech effective presentation skills April-May	Central idea Relationships generate change. Key concepts: form, function, connection Related concepts: principles, interactions, relationships Lines of inquiry <ul style="list-style-type: none"> driving forces of colonization how colonists use pre-determined factors properties of matter and design August-October	Central idea Connections foster organization. Key concepts: form, function, perspective Related concepts: structures, roles, adaptations Lines of inquiry <ul style="list-style-type: none"> differences leading to conflict how roles shape organization how natural balance of cycles sustain life February-April	Central idea Societies make decisions based on resources. Key concepts: perspective, responsibly, connection Related concepts: conflict, resources, decision making Lines of inquiry <ul style="list-style-type: none"> attempts to resolve conflict energy push and pull factors October-December