



King-Murphy Programme Of Inquiry 2016-2017

King-Murphy Elementary
425 Circle K Ranch Road
Evergreen, Colorado 80439

	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.
K	<p>Central Idea: Problems can be solved peacefully. Key Concepts: Perspective, Reflection, Responsibility Related Concepts: Initiative, Cooperation, Character Lines if inquiry:</p> <ul style="list-style-type: none"> • Conflict • Cooperation • Personal responsibility • Identifying a different perspective <p>Human Systems & Economic Activity (S.S) Social Organization and Culture (S.S) PSPE(Identity, Interactions) Language Arts (Oral, Visual, Written) Math (Number, Data handling)</p>	<p>Central Idea Lifestyles (what we eat, wear, where we live, and transportation) are determined by location and available resources. Key Concepts: Causation, Perspective, Connection Related Concepts: Geography, Resources, Climate Lines of inquiry:</p> <ul style="list-style-type: none"> • Resources • Connection between climate and location • Resources vary throughout the world <p>Earth and Space (Sci.) Human and Natural Environments(S.S) Language Arts (Oral Visual, Written) PSPE (Identity, Interactions) Resources and the Environment (S.S.)</p>	<p>Central Idea People create and tell stories through drama. Key Concepts: Form, Connection, Perspective Related Concepts: Communication Lines of inquiry:</p> <ul style="list-style-type: none"> • Purposes, types of stories • Ways stories are created and shared • Values stories convey • Feelings and emotions stories evoke <p>Language Arts (Oral, Visual, Written) Art (Responding, Creating) PSPE (Identity, Interactions) Social Organization and Culture(S.S)</p>	<p>Central Idea Living organisms play important roles in the cycle of life. Key Concepts: Connection, Change, Form Related Concepts: Growth, Classification Lines of inquiry:</p> <ul style="list-style-type: none"> • Food chains and consequences of food chain interruption • Needs of living things • Rolls of consumers, producers, and decomposers • Common characteristics of living things <p>Language Arts (Oral, Visual, Written) Living Things(Sci.) Resources and the Environment (S.S)</p>	<p>Central Idea People create systems to ensure fairness. Key Concepts: Perspective, Responsibility, Causation Related Concepts: Justice, Leadership Lines of inquiry:</p> <ul style="list-style-type: none"> • Rights of people • Laws and rules that help ensure fairness • Unfair situations • Creating change <p>PSPE (Identity, Interactions) Continuity and Change(S.S) Human Systems and Economic Activities(S.S.) Continuity and Change through time (S.S.) Language Arts (Oral, Visual, Written)</p>	<p>Central Idea Forests are necessary for life on earth. Key Concepts: Responsibility, Form, Causation Related Concepts: Climate, Plants Lines of inquiry:</p> <ul style="list-style-type: none"> • Trees and their contribution to our world • Similarities and differences of forests around the world • Sharing and preserving trees and forests <p>Resources and the Environment (S.S) Living things(Sci.) Earth and Space(Sci.) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math(Data Handling)</p>
First Grade	<p>Central Idea Location and jobs influence community structure. Key Concepts: Function, Connection, Responsibility Related Concepts: Employment, Economics , Geography Lines of inquiry:</p> <ul style="list-style-type: none"> • Community jobs • Goods and Services • Different Types of Communities • Financial goals <p>Language Arts (Oral, Visual, Written) Math(Shape and Space) Social organization and Structure (S.S.) Human Systems and Economic Activity(S.S.) PSPE (Interactions)</p>	<p>Central Idea Personal identity is shaped by family characteristics and cultural heritage. Key concepts: Connection, Perspective, Change Related Concepts: Family Lines of Inquiry:</p> <ul style="list-style-type: none"> • Personal and family histories • Family culture and traditions • Family characteristics <p>Language Arts (Oral, Visual, Written) Continuity and change through time(S.S) Human and Natural Environments (S.S) Social Organization and Culture (S.S) Living Things (Sci.) PSPE (Identity, Interactions) Math (Measurement-Time)</p>	<p>Central Idea People use the arts to express their cultures, beliefs and values. Key Concepts: Form, Perspective, Reflection Related Concepts: Self-Expression , Imagination, Interpretation Lines of inquiry:</p> <ul style="list-style-type: none"> • National Symbols •Expression through art •Creating and responding to art <p>Social Organization and Culture (S.S) Art (Responding and Creating) Language Arts (Oral, Visual, Written) PSPE(Identity) Math (Shape and Space)</p>	<p>Central Idea Earth's systems help us make predictions in our world. Key Concepts: Form, Function, Change Related Concepts: Systems, Impact, Changes of State, Landscape Lines of inquiry:</p> <ul style="list-style-type: none"> • Types of systems • Predictions based on systems • Interconnectedness of systems <p>Material and Matter (Sci.) Earth and Space (Sci.) Living Things (Sci.) Human and Natural Environments (S.S) Language Arts (Oral, Visual, Written) PSPE (Interactions)</p>	<p>Central Idea Leaders contribute to societal decision-making. Key Concepts: Connection, Responsibility, Perspective Related Concepts: Authority, Roles, Character Lines of inquiry :</p> <ul style="list-style-type: none"> • Qualities of a leader • Responsible group member • Decision Making <p>Language Arts (Oral, Visual, Written) Human Systems and Economic Activities (S.S) Social organizations and Culture (S.S) PSPE (Identity, Interactions)</p>	<p>Central Idea Living things play a role in using and conserving resources. Key Concepts: Causation, Perspective, Responsibility Related Concepts: Conservation, Impact Lines of inquiry :</p> <ul style="list-style-type: none"> • Renewable and nonrenewable resources • Uses of Resources • Reduce, Reuse, Recycle <p>Resources and the environment (S.S) Material and Matter (Sci.) Living things (Sci.) Language Arts (Oral, Visual, Written) PSPE (Interactions)</p>
Second Grade	<p>Central Idea People take risks to create change in the world. Key Concepts: Reflective, Perspective, Causation Related Concepts: Character, Resilience Lines of inquiry:</p> <ul style="list-style-type: none"> • Attributes of risk takers • Various types of risk taking • Risk takers of the past present, and future, local and global • Evaluating risk taking <p>PSPE (Identity) Language Arts (Oral, Visual, Written) Continuity and Change through Time (S.S)</p>	<p>Central Idea People and events change an area over time. Key Concepts: Change, Causation, Reflection Related Concepts: History, Chronology Lines of inquiry :</p> <ul style="list-style-type: none"> • Community development over time • Impact of events and culture • Tools historians use <p>Social organization and Culture (S.S) Continuity and Change Through Time (S.S) Human Systems and Economic Activity (S.S) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math (Measurement-Time)</p>	<p>Central Idea Effective communication is necessary to convey feelings and ideas. Key Concepts: Function, Perspective, Reflection Related Concepts: Communication Lines of inquiry :</p> <ul style="list-style-type: none"> • Relationship between participants • Mechanics of writing • Presentation Skills <p>Social Organization and Culture (S.S) Language Arts (Oral, Visual, Written) PSPE (Identity, Interactions) Human Systems and Economic Activity (S.S)</p>	<p>Central Idea The interaction of forces cause change in the motion of objects and can impact our lives. Key Concepts: Causation, Function, Form Related Concepts: Forces, Motion, Variables Lines of inquiry :</p> <ul style="list-style-type: none"> • Types of Forces (Pushes/pulls) • Changes in Force; effects on motion • How people use forces (Simple machines and their purpose) <p>Forces and Energy (Sci.) Resources and the Environment (S.S) Language Arts (Oral, Visual, Written) Math(Data Handling, Measurement)</p>	<p>Central Idea Organizations are created to provide services. Key Concepts: Connection, Responsibility, Causation Related Concepts: Networks, Amenities, Citizenship Lines of inquiry :</p> <ul style="list-style-type: none"> • Reasons human needs are not met • Organizations that provide support • Personal and communal responsibility <p>Human Systems and Organizations (S.S) Resources and the Environment (S.S) Language Arts (Oral, Visual, Written) PSPE (Identity, Interactions) Living Things (Sci.) Earth and Space (Sci.)</p>	<p>Central Idea Animals adapt in order to survive. Key Concepts: Form, Function, Connection Related Concepts: Animals, Classification Lines of inquiry :</p> <ul style="list-style-type: none"> • Health of Habitats • Classification of species • Weather influence on migration <p>Living Things (Sci.) Earth and Space (Sci.) Human and Natural Environments (S.S) Language Arts (Oral, Visual, Written) PSPE (Identity, Interactions) Art(Creating)</p>
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Third Grade	<p>Central Idea Celebrations reflect different cultures and traditions. Key Concepts: Causation, Form, Perspective Related Concepts: Diversity, Identity Lines of inquiry:</p> <ul style="list-style-type: none"> • Similarities and differences in cultural celebrations • Religion in celebrations • Traditions in celebrations <p>Social organization and Culture (S.S) Continuity and Change through Time (S.S) Language Arts (Oral, Visual, Written) PSPE (Identity, Interactions) Math (Data handling) Art(Creating)</p>	<p>Central Idea Transportation changes over time and is influenced by place. Key Concepts: Change, Form, Connection Related Concepts: History, Innovation, Progress Lines of inquiry:</p> <ul style="list-style-type: none"> • Inspiration of poetry • Types of transportation & their purpose • Transportation changes over time • Connection between types of transportation and environment <p>Continuity and Change through Time (S.S) Resources and the Environment (S.S) Language Arts (Oral, Visual, Written) Math(Measurement-Time) Forces and Energy (Sci.) PSPE (Interactions)</p>	<p>Central Idea Poetry is an expression of people in place and time. Key Concepts: Form, Reflection, Perspective Related Concepts: Interpretation, Communication Lines of inquiry:</p> <ul style="list-style-type: none"> • Inspiration of poetry • Types of poetry • Creative expression using figurative language <p>Language Arts (Oral, Visual, Written) PSPE (Identity) Social organization and Culture (S.S) Math (Shape and Space) Art (Responding, Creating)</p>	<p>Central Idea Living and non-living things go through a process of change. Key Concepts: Function, Connection, Change Related Concepts: Cycles, Transformation, Growth Lines of inquiry:</p> <ul style="list-style-type: none"> • Cycles of living and non-living things • Scientific explanations of changes over time • Environmental Impacts <p>Living Things (Sci.) Material and Matter (Sci.) Resources and the Environment (S.S) Language Arts (Oral, Visual, Written) Math(Measurement, Data Handling) PSPE (Interactions)</p>	<p>Central Idea Marketplace depends upon the ability to produce goods and services that can be exchanged. Key Concepts: Function, Causation, Responsibility Related Concepts: Economics Lines of inquiry:</p> <ul style="list-style-type: none"> • Barter, Trade, Exchange • Consumers and Producers • Setting short term financial goals <p>Human Systems and Economic Activities (S.S) Resources and the environment (S.S.) Language Arts (Oral, Visual, Written) Math (Data Handling, Number) PSPE(Interactions) Art(Creating)</p>	<p>Central Idea Boundaries may be established due to natural, political, and societal perspectives. Key Concepts: Change, Perspective, Function Related Concepts: Borders, Geography Lines of Inquiry:</p> <ul style="list-style-type: none"> • Types of boundaries • Reasons boundaries may change • Ways boundaries help define communities <p>Human Systems and Economic Activities (S.S) Social Organization and Culture (S.S) Human and Natural Environments (S.S) Earth and Space (Sci.) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math (Space & Shape, Data Handling)</p>
Fourth Grade	<p>Central Idea Cultures use folklore stories to explain natural phenomena. Key Concepts: Perspective, Form, Reflection Related Concepts: Belief, Culture Lines of inquiry:</p> <ul style="list-style-type: none"> • Folklore • Cultural explanations of scientific phenomena • Solar System <p>Language Arts (Oral, Visual, Written) PSPE (Identity) Earth and Space (Sci.) Social organization and Culture (S.S) Human and Natural Environments (S.S) Art(Creating)</p>	<p>Central Idea Migration is caused by historical events and affects people and the environment. Key Concepts: Causation, Connection, Perspective Related Concepts: Exploration, Discovery, Chronology, Migration Lines of inquiry:</p> <ul style="list-style-type: none"> • Local and global influential events • Interactions between natives and newcomers • Physical environment <p>Social Organization and Culture (S.S) Continuity and Change through Time (S.S) Humana and Natural Environments (S.S) Living Things(Sci.) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math (Measurement-Time) Art(Responding)</p>	<p>Central Idea Values impact economic actions in communities. Key Concepts: Connection, Change Related Concepts: Progress, Production Lines of inquiry:</p> <ul style="list-style-type: none"> • Development of industries • Financial Risk • Values <p>Human Systems and Economic Activity (S.S) Social organization and Structure (S.S) Human and Natural Environments (S.S) Continuity and change through time (S.S) Language Arts (Oral, Visual, Written) Math (Data Handling, Number) PSPE (Interactions, Identity)</p>	<p>Central Idea The use of energy by humans may change their quality of life. Key Concepts: Change, Function, Form Related Concepts: Forms of Energy, Conservation of Energy, Transformation of Energy Lines of Inquiry:</p> <ul style="list-style-type: none"> • Forms and sources of energy • Allocation of energy resources • Conservation of energy <p>Forces and Energy (Sci.) Materials and Matter (Sci.) Resources and the Environment (S.S) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math(Number, Data handling)</p>	<p>Central Idea Governmental systems can promote or deny equal opportunities. Key Concepts: Perspective, Responsibility, Function Related Concepts: Rights Lines of inquiry :</p> <ul style="list-style-type: none"> • Rights and Responsibilities of citizens • Rights and Responsibilities of government • Debate <p>Human systems and Economic Activities (S.S) Social organization and Culture (S.S) Language Arts(Oral, Visual, Written) PSPE (Identity, interactions) Math (Data handling)</p>	<p>Central Idea The relationships within ecosystems determine their health and function. Key Concepts: Connection, Form, Change Related Concepts: Dependence, Ecosystems Lines of inquiry :</p> <ul style="list-style-type: none"> • Characteristics of ecosystems • Relationship between biotic and abiotic factors • Extinction <p>Living Things (Sci.) Resources and the Environments (S.S) Human and natural Environments (S.S) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math(Data handling, Shape &Space, Measurement)</p>
Fifth Grade	<p>Central Idea Health of organism structures is influenced by choices and environment. Key Concepts: Responsibility, Function, Connection Related Concepts: Organisms, Systems Lines of inquiry :</p> <ul style="list-style-type: none"> • Systems and structures of organisms • The relationship among the human body systems • The relationship between environment and health of organisms. <p>Living Things (Sci.) Human and natural environments (S.S) Language Arts (Oral, Visual, Written) PSPE (Identity, Active Living, Interactions) Math(Pattern and Function, Number)</p>	<p>Central Idea Perspectives challenge our understanding of history. Key Concepts: Perspective, Change, Causation Related Concepts: Discovery, Revolution Lines of inquiry:</p> <ul style="list-style-type: none"> • Influential Historical documents • Chronology and impact of historical themes • Cultural Interactions <p>Continuity and Change through Time (S.S) Social organization and Culture (S.S) Human and Natural Environments (S.S.) Language Arts (Oral, Visual, Written) PSPE (Identity, Interactions) Living Things (Sci.)</p>	<p>Central Idea People express their passions and ideas through a variety of creative mediums. Key Concepts: Form, Reflection, Causation Related Concepts: Creativity, Self-Expression Lines of inquiry :</p> <ul style="list-style-type: none"> • Different forms of expressing passions and ideas • Creating based on ideas and interests • Communicating through different modes <p>Language Arts (Oral, Visual, Written) Art (Responding , Creating) Living things (Sci.) Forces and Energy (Sci.) Human and Natural Environments (S.S) Human systems and economic activity (S.S) PSPE (Identity, Interactions) Math (Measurement, Shape & Space, Pattern, Number)</p>	<p>Central Idea Analyzing data informs people so they can plan for and react to changes on earth. Key Concepts: Form, Change, Connection Related Concepts: Climate, Tectonic plate movement Lines of inquiry:</p> <ul style="list-style-type: none"> • Measuring climate change using data tools • Earth’s processes and forces • Making predications based on data • Human response to the changing planet <p>Earth and Space (Sci.) Living Things (Sci.) Resources and the Environment (S.S.) Human and natural environments (S.S) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math (Number, Measurement, Data Handling, Shape & Space)</p>	<p>Central Idea Government activities affect the economy. Key Concepts: Responsibility, Causation, Function Related Concepts: Employment, Economic Systems, Communication Lines of inquiry:</p> <ul style="list-style-type: none"> • Influence of Government • Financial Institutions • Economic reasoning skills <p>Human systems and Economic Activities (S.S) Social Organization and Culture (S.S) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math (Data Handling, Number)</p>	<p>Central Idea Conflict may arise due to limited resources and the challenge to maintain healthy communities. Key Concepts: Perspective, Causation, Form Related Concepts: Sustainability, Pollution, Chemical and Physical Changes Lines of inquiry:</p> <ul style="list-style-type: none"> • Chemical impacts on the environment • Concerns related to renewable and nonrenewable resources and their uses • World conflicts and their solutions to sharing resources <p>Earth and Space (Sci.) Material and matter (Sci.) Resources and the Environment (S.S) Human and natural environments (S.S) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math (Data Handling, Measurement, Pattern & Function)</p>

Sixth Grade	<p>Central Idea People are made up of various states of matter which have distinct characteristics.</p> <p>Key Concepts: Form, Function, Connection</p> <p>Related Concepts: Structures, Properties and uses of materials, Density</p> <p>Lines of inquiry :</p> <ul style="list-style-type: none"> • The particle theory of matter and its relationship to living things • Creating models to represent atoms and molecules • Measuring properties of matter • Historical understanding of matter, how it has changed, and its implications for the future <p>Living things (Sci.) Material and matter (Sci.) Continuity and change through time (S.S.) Language Arts (Oral, Visual, Written) PSPE (Active Living) Math (Data Handling, measurement, number) Art (Creating & Responding)</p>	<p>Central Idea Past civilizations shape present day nations and cultures.</p> <p>Key Concepts: Change, Causation, Connection</p> <p>Related Concepts: Diversity, Artifacts</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Characteristics of past civilizations that have survived • Chronology of nations and their impacts • Historical Artifacts and what they tell people <p>Continuity and Change through Time (S.S) Social organization and Culture (S.S) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math (Data Handling) Art (Creating & Responding)</p>	<p>Central Idea Collaborative discussion can lead to the disintegration of stereotypes and prejudices.</p> <p>Key Concepts: Reflection, Responsibility, Perspective</p> <p>Related Concepts: Stereotype, Conformity, Diversity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Understanding assumptions and where they come from • Development of critical thinking and questioning skills to understand perspectives • The influence of media and culture on beliefs and values <p>PSPE (Identity, Interactions) Human systems and economic activities (S.S) Social Organization and Culture (S.S) Language Arts (Oral, Visual, Written) Math (Data Handling)</p>	<p>Central Idea Human and physical systems interact and are transformed by the interrelationships of Earth’s structure and processes.</p> <p>Key Concepts: Form, Connection, Causation</p> <p>Related Concepts: Geography, Interdependence, Structures</p> <p>Lines of inquiry :</p> <ul style="list-style-type: none"> • Variability of physical geography around the world • Technological and geographic tools help solve problems • The relationship between location and human systems • The constructive and destructive forces changing the earth over time • The impact of human interaction on the physical environment <p>Earth and Space (Sci.) Language Arts (Oral, Visual, Written) Math (Measurement, Data Handling) PSPE (Interactions) Continuity and Change through Time (S.S.) Human and natural environment (S.S)</p>	<p>Central Idea The interconnectedness of global societies and their perspectives of the world impact people, places, and history.</p> <p>Key Concepts: Connection, Function, Perspective</p> <p>Related Concepts: Governments</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Types of governance • Global citizenship • Global political issues and viewpoints • Economic effects on global interdependence <p>Human Systems and Economic Activity (S.S.) Social Organization and Culture (S.S.) PSPE(Identity, Interactions) Language Arts (Oral, Visual, Written) Math (Data Handling)</p>	<p>Central Idea Biodiversity relies on maintaining the interdependent balance of organisms within systems.</p> <p>Key Concepts: Responsibility, Connection, Change</p> <p>Related Concepts: Biodiversity, Ecosystems</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> • Interdependence within ecosystems, biomes, and environments around the world • Environmental impacts and changes • Human influence on the balance of resources within systems <p>Materials and Matter (Sci.) Forces and Energy (Sci.) Human and Natural Environment (S.S.) Resources and the Environment (S.S.) Language Arts (Oral, Visual, Written) PSPE (Interactions) Math (Numbers)</p>