

Alpine Elementary POI 2016-2017

	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 interconnectedness of individuals and civilizations, from local and global perspectives.	How We Express Ourselves An inquiry into the ways in which we discover an 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) an 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.
PK	<p>Central Idea Setting influences behavior.</p> <p>Lines of Inquiry Types of groups and their rules How I can make and keep friends Recognizing and managing feelings</p> <p>Key Concepts perspective, responsibility</p> <p>Related Concepts setting, behavior roles, emotions, conflict resolution, rules</p>	<p>Central Idea People grow and change over time</p> <p>Lines of Inquiry Five senses Change over time Characteristics of living things</p> <p>Key Concepts change, form, reflection</p> <p>Related Concepts Numbers, comparison, measurement</p>	<p>Central Idea Stories share ideas.</p> <p>Lines of Inquiry Parts of a story How stories relate to my life Different ways to share stories</p> <p>Key Concepts form, perspective</p> <p>Related Concepts storytelling, fact, fiction, compare/contrast</p>	<p>Central Idea. Necessity inspires innovation.</p> <p>Lines of Inquiry The six simple machines How machines work and why we use them How we innovate and design using simple machines</p> <p>Key Concepts Causation, function</p> <p>Related Concepts necessity, innovation</p>	<p>Central Idea Money systemizes earning and spending.</p> <p>Lines of Inquiry What money looks like How we earn money How money is used</p> <p>Key Concepts form, function</p> <p>Related Concepts work, money, earning, spending, saving</p>	<p>Central Idea Natural patterns influence behavior of living things.</p> <p>Lines of Inquiry Natural patterns The relationship between living things and nature Our choices based on patterns we observe</p> <p>Key Concepts Connection, responsibility</p> <p>Related Concepts conservation, recycling</p>
K	<p>Central Idea Rules and responsibilities help us learn and play together safely</p> <p>Lines of Inquiry School jobs, roles and responsibilities Appropriate use of personal and public space How rules and routines help support our learning environment</p> <p>Key Concepts responsibility</p> <p>Related Concepts rules, rights, safety</p>	<p>Central Idea People need shelter wherever they live.</p> <p>Lines of Inquiry How and why we use shelter How and why homes have changed over time How and why homes are different in different places Materials used to build homes and why we use them</p> <p>Key Concepts form, connection, change</p> <p>Related Concepts shelter, structure, similarities and differences, interdependence, adaptation, transformation</p>	<p>Central Idea Signs and symbols communicate meaning.</p> <p>Lines of Inquiry Different signs and symbols Why people use signs and symbols Features used to communicate locally and globally</p> <p>Key Concepts perspective, causation, responsibility</p> <p>Related Concepts signs, symbols, meaning, subjectivity, beliefs</p>	<p>Central Idea Physical laws determine how things move.</p> <p>Lines of Inquiry The scientific method How different objects move Similarities and differences between living and non-living things</p> <p>Key Concepts form, causation, reflection</p> <p>Related Concepts physical laws, motion, sequences, interpretation</p>	<p>Central Idea There are many steps to getting the food we eat.</p> <p>Lines of Inquiry The roles of the sun and weather in food production How money helps people meet their needs and wants Economic systems used to move food from field to table</p> <p>Key Concepts function, connection</p> <p>Related Concepts systems, interdependence</p>	<p>Central Idea The sun provides essential energy for the planet</p> <p>Lines of Inquiry How the sun provides energy for the growth of living things Our responsibility in caring for the earth's resources What happens when we block the sun's light</p> <p>Key Concepts causation, responsibility</p> <p>Related Concepts sun energy, weather</p>

1	<p>Central Idea Communication shapes our relationships with others.</p> <p>Lines of Inquiry Forms of communication Advancements in communication Boundaries that change the way we communicate</p> <p>Key Concepts Causation, connection</p> <p>Related Concepts relationships, communication, technology</p>	<p>Central Idea The past shapes life today.</p> <p>Lines of Inquiry Concept of the passage of time Timelines/ historical milestones and symbols Technological advances</p> <p>Key Concepts change, reflection</p> <p>Related Concepts history, chronology, inventions</p>	<p>Central Idea People celebrate what is important to them.</p> <p>Lines of Inquiry Types of celebrations Why people celebrate What a celebration is Similarities and differences between celebrations</p> <p>Key Concepts function, perspective</p> <p>Related Concepts celebration, tradition, similarities, values</p>	<p>Central Idea Studying earth materials helps us to understand physical changes on our planet.</p> <p>Lines of Inquiry The rock cycle States of matter Geological activity</p> <p>Key Concepts causation, change</p> <p>Related Concepts cycles, systems, properties</p>	<p>Central Idea People have jobs to provide for themselves, their families, and the needs of their communities.</p> <p>Lines of Inquiry Jobs in a community Income and budgeting The economic cycle Job choice</p> <p>Key Concepts form, responsibility</p> <p>Related Concepts economics, money, interdependence</p>	<p>Central Idea An organism's characteristics determine its classification.</p> <p>Lines of Inquiry Animal classification Resources needed by animals How various animals are important to our planet</p> <p>Key Concepts form, connection, responsibility</p> <p>Related Concepts characteristic, adaptation, classification</p>
2	<p>Central Idea Individuals actions influence communities.</p> <p>Lines of Inquiry How people influence their communities Adversities people face Important historical figures Historical sources</p> <p>Key Concepts change, connection, perspective</p> <p>Related Concepts action, communities, innovation, progress</p>	<p>Central Idea Challenges lead to change.</p> <p>Lines of Inquiry Written accounts of history New Worlds / Maps Ancestry</p> <p>Key Concepts: change, form, reflection</p> <p>Related Concepts: challenges, orientation, ancestry</p>	<p>Central Idea Participating in the arts develops creativity, appreciation and self-expression.</p> <p>Lines of Inquiry Different mediums in which artists can express themselves The role visual art plays on society Arts as a form of communication</p> <p>Key Concepts perspective, connection</p> <p>Related Concepts audience, composition</p>	<p>Central Idea The weather and changing seasons impact organisms and the environment.</p> <p>Lines of Inquiry Temperature changes during the day and day to day Change in weather patterns throughout the year The effects of severe weather How human behaviors affect the weather</p> <p>Key Concepts causation, change, function</p> <p>Related Concepts seasons, condensation, evaporation, weather</p>	<p>Central Idea Needs and wants stimulate supply and demand.</p> <p>Lines of Inquiry Scarcity of resources Financial decision-making How communities share resources</p> <p>Key Concepts causation, connection</p> <p>Related Concepts needs, wants, supply, demand</p>	<p>Central idea: Healthy habitats sustain life.</p> <p>Lines of Inquiry Diverse habitats around the world Characteristics of a healthy habitat Natural balance</p> <p>Key Concepts connection, responsibility,</p> <p>Related Concepts habitat, plants</p>
3	<p>Central Idea Rituals, traditions and artifacts reveal the beliefs and values of cultures.</p> <p>Lines of Inquiry What constitutes a culture Significance of rituals and traditions How artifacts symbolize beliefs and values</p> <p>Key Concepts form, function, perspective,</p> <p>Related Concepts beliefs, diversity, traditions</p>	<p>Central Idea Local perspectives influence laws and policies.</p> <p>Lines of Inquiry Purpose of government Forms of government Participation in local government</p> <p>Key Concepts reflection, perspective</p> <p>Related Concepts laws, policies</p>	<p>Central Idea Media expands thinking and transforms behavior.</p> <p>Lines of Inquiry Forms and purposes of media Persuasive techniques used in media Different points of view expressed through media</p> <p>Key Concepts perspective</p> <p>Related Concepts media, opinions</p>	<p>Central Idea Natural cycles function predictably.</p> <p>Lines of Inquiry External influences on cycles Plant and animal cycles Water cycle</p> <p>Key Concepts form, function, causation</p> <p>Related Concepts cycles</p>	<p>Central Idea Trade cultivates human interdependence.</p> <p>Lines of Inquiry The need for trade Exchange of goods and services around the world Informed financial-decision making</p> <p>Key Concepts Connection, responsibility</p> <p>Related Concepts trade, money</p>	<p>Central Idea Management of limited resources creates challenges and opportunities for societies.</p> <p>Lines of Inquiry Natural resources Earth's changing surface How our actions affect the environment</p> <p>Key Concepts causation, change</p> <p>Related Concepts resources, recycling, sustainability, environment</p>

4	<p>Central Idea Rights and responsibilities mobilize societal decision making.</p> <p>Lines of Inquiry Structures of Government Debating Policy Roles of leaders and citizens</p> <p>Key Concepts perspective, responsibility</p> <p>Related Concepts Structures, government, debate, policy, opinion, citizenship</p>	<p>Central Idea Incentives and challenges motivate human migration.</p> <p>Lines of Inquiry Geographic and economic reasons for migration Interactions between people and cultures How the past influences the present</p> <p>Key Concepts perspective, causation</p> <p>Related Concepts incentives, challenges, migration, history, geography, political oppression, economics</p>	<p>Central Idea Experiences and perspectives form expressions.</p> <p>Lines of Inquiry Types of experiences people examine and share Ways people choose to share their experiences Personal expression through economic choice</p> <p>Key Concepts connection, perspective, reflection</p> <p>Related Concepts written communication, oral communication, feelings</p>	<p>Central Idea Individual components of a system interplay in patterns.</p> <p>Lines of Inquiry Orbits Relationship between the components of the solar system Space Exploration</p> <p>Key Concepts connection, function,</p> <p>Related Concepts interconnectedness, exploration, patterns</p>	<p>Central Idea Energy production and consumption generates challenges and opportunities for society and the environment.</p> <p>Lines of Inquiry Renewable and nonrenewable sources of energy The collection, distribution, and use of energy sources Electrical circuits</p> <p>Key Concepts function, responsibility</p> <p>Related Concepts production, consumption, conservation, pollution, renewable/nonrenewable energy</p>	<p>Central Idea Living things adapt to survive in their unique ecosystems</p> <p>Lines of Inquiry Similarities and differences among organisms How living things adapt within a habitat to meet their basic needs How living things impact their ecosystem</p> <p>Key Concepts Form, Change</p> <p>Related Concepts adaptation, ecosystems, habitat, food chain, animals, plants</p>
5	<p>Central Idea The performance of interdependent systems determines overall health.</p> <p>Lines of Inquiry Plant and animal structures that are similar Impacts on organs when different body systems fail to work correctly Mental, physical, social, and spiritual health</p> <p>Key Concepts connection, function</p> <p>Related Concepts systems, interdependence, health</p>	<p>Central Idea Exploration extends boundaries.</p> <p>Lines of Inquiry Results of explorers' discoveries Reasons to explore Varied perspectives on explorations and colonization</p> <p>Key Concepts causation, perspective</p> <p>Related Concepts exploration, boundaries, colonization</p>	<p><u>EXHIBITION</u></p> <p>Central Idea Creativity transforms the future.</p> <p>Lines of Inquiry STUDENT WRITTEN</p> <p>Key Concepts ALL CONCEPTS</p>	<p>Central Idea Natural and man-made processes alter matter.</p> <p>Lines of Inquiry How mixtures act similarly and differently from their original materials Ways mixtures can be separated Uses of matter and mixtures</p> <p>Key Concepts change, form</p> <p>Related Concepts natural processes, man-made processes, matter</p>	<p>Central Idea Civic ideals guide governmental development and transformation.</p> <p>Lines of Inquiry Origin and formation of government Structure and function of different governments The relationship between government and financial institutions</p> <p>Key Concepts function, responsibility</p> <p>Related Concepts governments, roles, authority</p>	<p>Central Idea Resource availability sparks conflict</p> <p>Lines of Inquiry Resources and how they impact communities How changes on Earth's surface impact humans How places and regions have been influenced by physical geography</p> <p>Key Concepts responsibility, connection</p> <p>Related Concepts sustainability, conflict</p>