

Tuscaloosa Magnet School-Programme of Inquiry 2012-2013

	<u>Who we are</u>	<u>Where we are in place and time</u>	<u>How we express ourselves</u>	<u>How the world works</u>	<u>How we organize ourselves</u>	<u>Sharing the planet</u>
1 <sup>st</sup>	<p><b>Title-Central Idea:</b> <i>Human relationships change over time</i></p> <p><b>Lines of Inquiry:</b> ~Personal characteristics and abilities ~roles in family ~similarities and differences among others</p> <p><b>Key Concepts:</b> <i>Change, form, reflection</i></p> <p><b>Related Concepts:</b> <i>Primary resources, celebrations, identity, maps and globes</i></p>	<p><b>Title-Central Idea:</b> <i>Individuals have made a difference in the lives of others throughout time</i></p> <p><b>Lines of Inquiry:</b> ~Inspirational historical figures ~Historical events that inspire ~Ways people change after inspiration</p> <p><b>Key Concepts:</b> <i>Causation, change, reflection, connection</i></p> <p><b>Related Concepts:</b> <i>Past and present</i></p>	<p><b>Title-Central Idea:</b> <i>Experiences influence expression</i></p> <p><b>Lines of Inquiry:</b> ~creative expression through narratives ~characteristics of stories ~similarities and differences in literature</p> <p><b>Key Concepts:</b> <i>Form, causation, perspective, function</i></p> <p><b>Related Concepts:</b> <i>Artistic expression, voice, body movement</i></p>	<p><b>Title-Central Idea:</b> <i>Objects have different characteristics which affect movement</i></p> <p><b>Lines of Inquiry:</b> ~how things move ~concept of force ~what affects movement of objects</p> <p><b>Key Concepts:</b> <i>Function, form, connection</i></p> <p><b>Related Concepts:</b> <i>Machines, tools, instruments, work</i></p>	<p><b>Title-Central Idea:</b> <i>Members of a school community affect a global society</i></p> <p><b>Lines of Inquiry:</b> ~roles and responsibilities within a school community ~culture defines relationships ~location determines perspective of the world</p> <p><b>Key Concepts:</b> <i>Perspective, connection, responsibility</i></p> <p><b>Related Concepts:</b> <i>Civic responsibility, conflict, community</i></p>	<p><b>Title-Central Idea:</b> <i>Living things adapt in order to survive</i></p> <p><b>Lines of Inquiry:</b> ~traits of animals ~development stages ~habitats</p> <p><b>Key Concepts:</b> <i>Change, causation, responsibility</i></p> <p><b>Related Concepts:</b> <i>Extinction, conservation, earth's surface, natural resources, environment</i></p>
2 <sup>nd</sup>	<p><b>Title-Central Idea:</b> <i>A balance between nutrition, exercise and recreation contributes to human health</i></p> <p><b>Lines of Inquiry:</b> ~making healthy choices ~what balanced nutrition is ~importance of exercise ~balancing work and play</p> <p><b>Key Concepts:</b> <i>Connection Reflection responsibility</i></p> <p><b>Related Concepts:</b> <i>Balance Well-being</i></p>	<p><b>Title-Central Idea:</b> <i>Evidence of the past links past civilizations to each other and to the present</i></p> <p><b>Lines of Inquiry:</b> ~structure of a civilization ~development of ancient civilizations ~gathering and interpreting artifacts</p> <p><b>Key Concepts:</b> <i>Form Function reflection</i></p> <p><b>Related Concepts:</b> <i>Time history</i></p>	<p><b>Title-Central Idea:</b> <i>People recognize important cultural and personal events through celebrations and traditions</i></p> <p><b>Lines of Inquiry:</b> ~what and why we celebrate ~celebrations through the senses ~similarities and differences among celebrations</p> <p><b>Key Concepts:</b> <i>Perspective reflection</i></p> <p><b>Related Concepts:</b> <i>Traditions values</i></p>	<p><b>Title-Central Idea:</b> <i>Understanding the properties of matter allows people to make practical applications</i></p> <p><b>Lines of Inquiry:</b> ~properties of matter ~changes in matter ~scientific method ~uses of matter</p> <p><b>Key Concepts:</b> <i>Form Function</i></p> <p><b>Related Concepts:</b> <i>Energy Structure properties</i></p>	<p><b>Title-Central Idea:</b> <i>Systems need to be in place in order to maintain organization in communities</i></p> <p><b>Lines of Inquiry:</b> ~concept of community ~systems of organization ~symbols ~rights and responsibilities</p> <p><b>Key Concepts:</b> <i>Connection responsibility</i></p> <p><b>Related Concepts:</b> <i>Interconnectedness roles</i></p>	<p><b>Title-Central Idea:</b> <i>People and the environment affect our natural resources</i></p> <p><b>Lines of Inquiry:</b> ~impact of weather ~impact of humans ~how the earth helps meet our needs</p> <p><b>Key Concepts:</b> <i>Causation Reflection responsibility</i></p> <p><b>Related Concepts:</b> <i>Conservation sustainability</i></p>
3 <sup>rd</sup>	<p><b>Title-Central Idea:</b> <i>Systems that define beliefs and values offer explanations about the world around us</i></p> <p><b>Lines of Inquiry:</b> ~similarities and differences between belief systems ~how beliefs and values</p>	<p><b>Title-Central Idea:</b> <i>The Earth's physical geography has an impact on human interactions and settlements</i></p> <p><b>Lines of Inquiry:</b> ~the relationship between location and settlement ~impact of human</p>	<p><b>Title-Central Idea:</b> <i>Creating and responding to art develops understanding of ourselves and the world around us</i></p> <p><b>Lines of Inquiry:</b> ~How arts can be a reflection of values and issues</p>	<p><b>Title-Central Idea:</b> <i>Changes in the Earth and its atmosphere impact the way people live their lives</i></p> <p><b>Lines of Inquiry:</b> ~How the different components of Earth are interrelated ~why the Earth has</p>	<p><b>Title-Central Idea:</b> <i>Economic activity relies on systems of production, exchange and consumption of goods and services</i></p> <p><b>Lines of Inquiry:</b> ~Supply and demand ~distribution of goods and services</p>	<p><b>Title-Central Idea:</b> <i>When interacting with natural habitats, humans make choices that have an impact on other living things</i></p> <p><b>Lines of Inquiry:</b> ~Balance between rights and responsibilities when interacting with natural</p>

	<p>contribute to the formation and actions</p> <p>~the impact of spiritual traditions on society</p> <p><b>Key Concepts:</b> Form Perspective reflection</p> <p><b>Related Concepts:</b> Diversity Perception Commitment religion</p>	<p>interaction on physical environment</p> <p>~similarities and differences of physical geography around the world</p> <p><b>Key Concepts:</b> Form Connection causation</p> <p><b>Related Concepts:</b> Modification Geography settlements</p>	<p>~how learning about arts develops appreciation</p> <p>~the contexts in which artworks were created</p> <p><b>Key Concepts:</b> Reflection Function perspective</p> <p><b>Related Concepts:</b> Aesthetics Personal narratives Metaphor</p>	<p>changed and is continuing to change</p> <p>~human responses to Earth's changes the form of rocks and minerals that help with identification</p> <p><b>Key Concepts:</b> Causation Connection change</p> <p><b>Related Concepts:</b> Geology weather</p>	<p>~our responsibility as consumers</p> <p><b>Key Concepts:</b> Function Responsibility connection</p> <p><b>Related Concepts:</b> Interdependence Fair trade Inequity</p>	<p>habitats</p> <p>~human impact on natural habitats</p> <p>~how living things respond to changing environmental conditions</p> <p><b>Key Concepts:</b> Change Causation Responsibility</p> <p><b>Related Concepts:</b> Habitat, diversity Interdependence Behavioral adaptations</p>
4 <sup>th</sup>	<p><b>Title-Central Idea:</b> Beliefs and values influence the decisions to the larger population</p> <p><b>Lines of Inquiry:</b> ~Individuals can bring change to the larger population ~History has been impacted by individuals ~Beliefs and values can differ from person to person</p> <p><b>Key Concepts:</b> Change connection perspective</p> <p><b>Related Concepts:</b> beliefs values religion community</p>	<p><b>Title-Central Idea:</b> Advancement in technology brings change to a civilization</p> <p><b>Lines of Inquiry:</b> ~Technology has differing effects on a civilization ~Discrepancies in technology exist ~Technology promotes global interconnectedness</p> <p><b>Key Concepts:</b> Causation, connection</p> <p><b>Related Concepts:</b> Inventions, discovery, access</p>	<p><b>Title-Central Idea:</b> People tell stories using a variety of methods</p> <p><b>Lines of Inquiry:</b> ~People use stories to preserve history ~Culture is revealed through stories ~There are many types of stories</p> <p><b>Key Concepts:</b> Form function connection</p> <p><b>Related Concepts:</b> Story telling</p>	<p><b>Title-Central Idea:</b> Living things adapt to their current environment</p> <p><b>Lines of Inquiry:</b> ~Economic and political actions force adaptation ~Changes in the natural world affect its inhabitants ~Adaptations are means for survival</p> <p><b>Key Concepts:</b> Change, perspective</p> <p><b>Related Concepts:</b> adaptations, economy, politics, decision-making</p>	<p><b>Title-Central Idea:</b> Government structure affects the lives of citizens</p> <p><b>Lines of Inquiry:</b> ~Many factors lead to a change in government ~There are different types of government ~Citizens may influence government</p> <p><b>Key Concepts:</b> Function, form, causation</p> <p><b>Related Concepts:</b> government</p>	<p><b>Title-Central Idea:</b> Resources fuel conflict</p> <p><b>Lines of Inquiry:</b> ~There are different forms of energy and resources ~Rights and responsibilities come with ownership, production and usage of resources ~Conflict comes from allocations of limited resources</p> <p><b>Key Concepts:</b> Reflection, responsibility</p> <p><b>Related Concepts:</b> Circuits, electricity, currents, energy</p>
5 <sup>th</sup>	<p><b>Title-Central Idea:</b> Health is related to how we maintain each of our body systems</p> <p><b>Lines of Inquiry:</b> ~systems consist of different parts and functions ~body systems work together to function properly ~nutrition and exercise is the responsibility of the individual</p> <p><b>Key Concepts:</b> Form, function, connection, responsibility</p> <p><b>Related Concepts:</b></p>	<p><b>Title-Central Idea:</b> Migration is a response to challenges, risks, and opportunity</p> <p><b>Lines of Inquiry:</b> ~Environmental challenges or new opportunities may cause people to move ~motivation to move can be intrinsic or extrinsic ~people relocate based on available resources</p> <p><b>Key Concepts:</b> Causation</p> <p><b>Related Concepts:</b> Exploration, migration</p>	<p><b>Title-Central Idea:</b> Poetry is a unique form of expression</p> <p><b>Lines of Inquiry:</b> ~poets communicate feelings, ideas, and perceptions ~poetic, literary devices ~other forms of written expression</p> <p><b>Key Concepts:</b> Form, function, connection</p> <p><b>Related Concepts:</b> Language, writing, communication, reading, creativity</p>	<p><b>Title-Central Idea:</b> Scientific developments change knowledge of the world</p> <p><b>Lines of Inquiry:</b> ~Understanding the world through science advances ~Knowledge is increased through advancements ~relationship of knowledge of the world and advancements are connected</p> <p><b>Key Concepts:</b> change</p> <p><b>Related Concepts:</b></p>	<p><b>Title-Central Idea:</b> Societies are organized around politics, economics, and culture</p> <p><b>Lines of Inquiry:</b> ~settlements for different reasons ~the way society is formed affects future development ~similarities and differences in developing societies</p> <p><b>Key Concepts:</b> Causation, connection, perspective</p> <p><b>Related Concepts:</b> Settlements, colonization,</p>	<p><b>Title-Central Idea:</b> Living things may struggle to coexist</p> <p><b>Lines of Inquiry:</b> ~different perspectives within a country can lead to civil war ~communities after conflict ~resolution requires open-mindedness and tolerance</p> <p><b>Key Concepts:</b> Causation, perspective, responsibility</p> <p><b>Related Concepts:</b> War, peace, dissonance</p>

	<i>Fitness, nutrition, human body</i>			<i>Scientific tools, technology, social networking, space</i>	<i>societies</i>	
horizontal/vertical articulation						