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| <p>Discovery School's Program of Inquiry</p>  | <p>Who we are An inquiry into the nature of the self; beliefs & values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities, and cultures; rights & responsibilities; what it means to be human.</p> | <p>Where we are in place & 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 & global perspectives.</p> | <p>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.</p> | <p>How the world works An inquiry into the natural world and its laws; the interaction between the natural world (physical & 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.</p> | <p>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.</p> | <p>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.</p> |
| <p>PS</p> | <p>Central Idea: Individuals maintain responsibilities to different groups.</p> <p>Lines of Inquiry: -Similarities and differences among individuals -Individuals in groups -Roles</p> <p>Key Concepts: form, function, responsibility</p> <p>Related Concepts: Identity, diversity, responsibilities</p> | | <p>Central Idea: Play invites opportunities for communication and discovery.</p> <p>Lines of Inquiry: -Discoveries made through different types of play -Communicating in play -Our responsibilities in play</p> <p>Key Concepts: function, perspective, reflection</p> <p>Related Concepts: Perception, communication, creativity</p> | | <p>Central Idea: Human-made systems connect communities.</p> <p>Lines of Inquiry: - Forms of transportation - How transportation has changed - Connecting communities</p> <p>Key Concepts: form, change, connection</p> <p>Related Concepts: Community, measurement</p> | <p>Central Idea: Communities depend on living things.</p> <p>Lines of Inquiry: -Characteristics of living things -Products derived from living things -Relationships between living things and communities</p> <p>Key Concepts: form, causation, connection</p> <p>Related Concepts: Interdependence, observation, environment</p> |
| <p>PK</p> | <p>Central Idea: Our actions and words impact our health.</p> <p>Lines of Inquiry: -Words and actions -Responsibilities -How to share</p> <p>Key Concepts: form, reflection, responsibility</p> <p>Related Concepts: Values, health cause/effect</p> | <p>Central Idea: Homes reflect identity and circumstances.</p> <p>Lines of Inquiry: -Types of homes -How homes fulfill our basic needs -Why homes vary according to culture</p> <p>Key Concepts: form, connection, perspective</p> <p>Related Concepts: Similarities, differences, culture, beliefs</p> | <p>Central Idea: Creativity cultivates learning.</p> <p>Lines of Inquiry: -What creativity is -How is creativity connected to learning -How we know what we've learned</p> <p>Key Concepts: function, connection, reflection</p> <p>Related Concepts: Creativity, points of view</p> | <p>Central Idea: Observation generates questions.</p> <p>Lines of Inquiry: -Types of observations -Cycles and progression -Benefits of changes</p> <p>Key Concepts: form, change, causation</p> <p>Related Concepts: Cycles, order, organism</p> | | |
| <p>K</p> | <p>Central Idea: The IB Learner Profile guides our relationships.</p> <p>Lines of Inquiry: -The beliefs of the learner profile -How the learner profile guides our relationships -How we can exemplify a trait</p> <p>Key Concepts: perspective, responsibility, reflection</p> <p>Related Concepts: Relationships, behavior</p> | <p>Central Idea: Personal histories shape identity.</p> <p>Lines of Inquiry: -Who and where we are -How timelines can measure time and events -Special events in families around the world</p> <p>Key Concepts: Reflection, function, perspective</p> <p>Related Concepts: History, chronology, identity</p> | <p>Central Idea: Sound evokes emotion.</p> <p>Lines of Inquiry: -The properties of vibrations -Making and organizing sounds -The points of view of sound</p> <p>Key Concepts: Form, Function, Perspective</p> <p>Related Concepts: Instruments, patterns, emotions</p> | | | <p>Central Idea: Habitats create interdependence among living things.</p> <p>Lines of Inquiry: -Ways animals grow and change -How the outdoors help living things -Showing respect and acting responsibly towards living things</p> <p>Key Concepts: Change, causation, responsibility</p> <p>Related Concepts: Habitats, Wants vs Needs</p> |

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| <p>1st</p> | <p>Central Idea: Data collection improves decision making.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> - Ways data can be collected -How data is used to make predictions -Evaluate data to make decisions <p>Key Concepts: form, function, perspective</p> <p>Related Concepts: Interaction, choice</p> | <p>Central Idea: Journeys spark discoveries</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> - Geographical features provide opportunities for discoveries - Written information helps us to understand our physical surroundings -How setting impacts life experiences <p>Key Concepts: function, form, connection</p> <p>Related Concepts: Compare/contrast,maps, time/space</p> | <p>Central Idea: Art communicates ideas.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> - The properties of artistic expressions -How self-expression can change -Different opinions of art <p>Key Concepts: form, change, perspective</p> <p>Related Concepts: Patterns, beliefs and values</p> | <p>Central Idea: Human Interaction with the environment is changing our climate.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> - The role of the sun's energy - The pattern of weather - Climate Change <p>Key Concepts: Function, causation, change</p> <p>Related Concepts: Climate, forms of energy.</p> | <p>Central Idea: Scarcity and surplus impacts the environment and trade.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> - How producers and consumers interact - Scarcity and surplus -Our responsibility to the environment <p>Key Concepts: function, connection, reflection</p> <p>Related Concepts: Resources, trade, environment</p> | <p>Central Idea: Heroes help us resolve conflict.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -The causes of conflict -How conflicts can be resolved -How heroes affect their community <p>Key concepts- Causation, perspective, connection</p> <p>Related Concepts: Consequences, positive/negative relationships, rights, cause/effect</p> |
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| <p>2nd</p> | <p>Central Idea: Communication teaches values motivates action.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> - The properties of stories - The values of stories - How stories move us to act <p>Key Concepts: form, connection, change</p> <p>Related Concepts: Communication, action, values</p> | <p>Central Idea: Technology transforms daily life.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -How artifacts can show changes -How technology moves us from the simple to the complex -Inventions/ideas that have impacted our lives <p>Key Concepts: Change, reflection, perspective</p> <p>Related Concepts: Technology,, transformation, creativity</p> | <p>Central Idea: Traditions unify communities.</p> <p>Lines of Inquiry: -</p> <ul style="list-style-type: none"> -The origins of many ancient traditions -Features of traditions/celebrations -how traditions help us feel connected to a group (bring people together) <p>Key Concepts: Causation, form, connection</p> <p>Related Concepts: Communities, traditions, relationships,</p> | <p>Central Idea: Forces simplify work.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -How forces work -Why forces make work easier -How forces solves problems <p>Key Concepts: Function, connection, causation</p> <p>Related Concepts: Forces,, Motion, Cause & Effect</p> | <p>Central Idea: Investigation happens through experimentation.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -Features of experimentation -How to conduct fair experiments How experimentation affects decision making <p>Key Concepts: form, function, reflection</p> <p>Related Concepts: Transformation, fair test, investigation</p> | <p>Central Idea: The use of natural resources can impact the environment.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> - Why some resources are limited - The relationship between people's decisions and the environment - How we can conserve resources <p>Key Concepts: Causation, connection responsibility</p> <p>Related Concepts: Interdependence, resources, cause and effect,</p> |
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| <p>3rd</p> | <p>Central Idea: The human body is an intricate system.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -Specialized structures in the human body -How the systems of the human body work together -How choices affect how the human body <p>Key Concepts: Reflection, connection, change</p> <p>Related Concepts: Harmony, interdependence, systems</p> | <p>Central Idea: History can be analyzed through primary sources.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -How developments in communication and transportation cause changes in communities -The connection of agriculture and communities -How maps and timelines can be compared to show change <p>Key Concepts: Causation, connection, change</p> <p>Related Concepts: Sources, systems, timelines</p> | <p>Central Idea: Images convey meaning, express moods and tell stories.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -Forms of imagery (metaphor) -The opinion and moods of images -How we know what is being communicated <p>Key Concepts: Form, perspective, reflection</p> <p>Related Concepts: Structure, patterns, emotions</p> | <p>Central Idea: Continuity depends on adaptability.</p> <p>Lines of Inquiry:-</p> <ul style="list-style-type: none"> -How living things adapt -The changes living things go through -Why living things adapt <p>Key Concepts: Form , Change, Causation</p> <p>Related Concepts: structure, consequences, extinction</p> | <p>Central Idea: Collaboration balances a community.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -How citizenship connects people -Our rights and responsibilities in communities -The role of governments <p>Key Concepts: connection, function, responsibility</p> <p>Related Concepts: laws and rules, structure, citizenship</p> | <p>Central Idea: Because water is a resource shared by all, survival of the planet depends on its responsible use.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> -The properties of water -The evidence of water availability -Initiatives that impact the water supply <p>Key Concepts: form , reflection, responsibility</p> <p>Related Concepts: properties, resources, conservation</p> |
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| <p>4th</p> | <p>Central Idea: Diversity enhances communities.</p> <p>Lines of Inquiry: -What diversity is -How we can classify diversity of life -How diversity connects to other things</p> <p>Key Concepts: form, perspective, connection</p> <p>Related Concepts: Diversity, community, classification</p> | <p>Central Idea: Changes on the earth can trigger natural disasters.</p> <p>Lines of Inquiry: -The geological structure of the Earth -How natural phenomena continue to change the Earth -Humankind’s response to the changing Earth</p> <p>Key Concepts: form, change, responsibility</p> <p>Related Concepts: Impact, values</p> | <p>Central Idea: Collaboration and creativity strengthen businesses.</p> <p>Lines of Inquiry: -The relationship between challenges and possibilities -How behavior and motivation can increase efficiency -The evidence and decisions about supply and demand</p> <p>Key Concepts: connection, function, reflection</p> <p>Related Concepts: supply and demand, entrepreneurship, behavior</p> | <p>Central Idea:Energy transforms societies and the environment.</p> <p>Lines of Inquiry: -Types of energy sources -Converting and storing energy efficiently Responsible technology growth</p> <p>Key Concepts: form, function, responsibility</p> <p>Related Concepts: energy, technology</p> | <p>Central Idea: Interconnectedness generates movement.</p> <p>-The impact of westward expansion -How economic development can change a place -Communities, cultures, families, and individuals opinion of expansion</p> <p>Key Concepts: Causation , Change, Perspective</p> <p>Related Concepts: systems, relationships, movement</p> | <p>Central Idea: Risk taking can lead to equal opportunities.</p> <p>Lines of Inquiry: -The points of view relted to equal opportunities -How decision about equal opportunities are made -The properties of risk-taking</p> <p>Key Concepts: form, responsibility, perspective</p> <p>Related Concepts: rights, equality</p> |
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| <p>5th</p> | <p>Central Idea: Citizens can influence a community through civic participation.</p> <p>Lines of Inquiry: - Forms of government - How different types of governments work - Our responsibility as citizens</p> <p>Key Concepts: Form, Function, Responsibility</p> <p>Related Concepts: Government, citizenship, community</p> | <p>Central Idea: Exploration reshapes cultures.</p> <p>Lines of Inquiry: -The circumstances that drive exploration -Understanding exploration from different perspectives -The impact of exploration on people, the environment and trade</p> <p>Key Concepts: connection, causation, perspective, reflection</p> <p>Related Concepts: decisions and outcomes, transformations, journeys</p> | <p>Central Idea: Geography influences cultures</p> <p>Lines of Inquiry: -How communities are influenced by climate and geography -The perspective of global cultures and communities - How communities/cultures may vary in their customs and practices but reflect similar purposes</p> <p>Key Concepts: connection, causation, perspective</p> <p>Related Concepts: culture, community, regions</p> | <p>Central Idea: Scientific principles advance our knowledge of the universe.</p> <p>Lines of inquiry: -Patterns in and beyond our solar system -How the laws of force and motion work -How our understanding of light and sound have changed</p> <p>Key concepts: form, function, change</p> <p>Related concepts: systems, patterns, forms of energy</p> | <p>Central Idea: Economic activity shifts the balance biodiversity</p> <p>Lines of Inquiry: -Interdependence within ecosystems -How economic activities impact ecosystems -Our responsibility to sustain biodiversity</p> <p>Key Concepts: connection, causation, responsibility</p> <p>Related Concepts: diversity, economy, impact</p> | <p>Central Idea: There are many ways to create peaceful solutions to conflicts.</p> <p>Lines of Inquiry: -The opinions of individuals who resolve conflict -The properties of nonviolent resolutions -Our responsibility to practice mindfulness</p> <p>Key Concepts: form, perspective, responsibility</p> <p>Related Concepts: civil rights,, harmony, conflict</p> |
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| <p>6th</p> | <p>Central Idea: Decision-making is optimized through evaluation</p> <p>Lines of Inquiry: -How data drives decision making (who and how it is used) -Our responsibility to evaluate data for it’s reliability - The relationship between decision-making and data</p> <p>Key Concepts: causation, responsibility, reflection</p> <p>Related Concepts: reliability, decision-making, data, evidence</p> | <p>Central Idea: Innovation comes from systems</p> <p>Lines of Inquiry: - How agriculture connects civilizations, -How available resources impact civilizations -How ancient systems work</p> <p>Key Concepts: connection, causation, function</p> <p>Related Concepts: innovation, civilizations and origins</p> | <p>Central Idea: Human experiences are communicated through the arts</p> <p>Lines of Inquiry: -What common human experiences are shared by people in our community -How we communicate human experiences through arts -what we can do to inspire action</p> <p>Key Concepts: function, connection change</p> <p>Related Concepts: communication, interpretation, personal experience</p> <p>EXHIBITION</p> | <p>Central Idea: Geology exposes the past</p> <p>Lines of Inquiry: -How we classify rocks, minerals and soil -How geological resources can be transformed -How geological resources provide evidence of past environments and events</p> <p>Key Concepts: form, change, reflection</p> <p>Related Concepts: evidence, properties, structures</p> | <p>Central Idea: Religion influences the modern world.</p> <p>Lines of Inquiry: -The relationship between governments and religions -How rights can be determined by religion and/or government -Religious communities and the opinions of people within them</p> <p>Key Concepts: connection, responsibility, perspective</p> <p>Related Concepts: beliefs, relationships, organizations</p> | <p>Central Idea: Systems maintain efficiency through interdependent relationships.</p> <p>Lines of Inquiry: -How systems are organized -How systems work to organize the whole (micro) -How systems connect to create a whole (macro)</p> <p>Key Concepts: form, function, connection</p> <p>Related Concepts: systems, interdependence, network</p> |
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