

David Paterson IB PYP Candidate School Program of Inquiry 2020-2021



David Paterson School Mission Statement

The David Paterson IB PYP Candidate Elementary School is committed to building partnerships with students, staff, parents and the community to develop life-long learners. Through rigorous inquiry and empowerment, our learners will be equipped to become college and career ready and exemplify attributes and skills of a 21st century global citizen.

Transdisciplinary Themes	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
	<p>An inquiry into:</p> <ul style="list-style-type: none"> The nature of the self Beliefs and values Personal, physical, mental, social and spiritual health Human relationships including families, communities, and cultures Rights and responsibilities What it means to be human 	<p>An inquiry into:</p> <ul style="list-style-type: none"> 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 	<p>An inquiry into:</p> <ul style="list-style-type: none"> 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>An inquiry into:</p> <ul style="list-style-type: none"> 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 	<p>An inquiry into:</p> <ul style="list-style-type: none"> 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>An inquiry into:</p> <ul style="list-style-type: none"> 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
1	<p># 4 February 1-March 19</p> <p>Central Idea: Communities function when its citizens take responsibility.</p> <p>Key Concepts: Change, Function, Responsibility</p> <p>Related Concepts: Citizenship, Communities, Values</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into why rules and laws are made An inquiry into how actions have consequences An inquiry into how responsibilities empower us in different places <p>Focus on: Language/ SS/PSPE</p> <p>Learner Profile: Risk-Taker, Communicator</p>	<p># 2 October 19-Dec. 4</p> <p>Central Idea: The past influences the future.</p> <p>Key Concepts: Causation, Change, Connection</p> <p>Related Concepts: Exploration, History, Technology</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into how the actions of individuals and groups change the world An inquiry into how technology creates change An inquiry into how the past helps us to see the world differently <p>Focus on: Language//SS/Science> Technology</p> <p>Learner Profile: Open-Minded, Risk-Taker</p>	<p># 5 March 22-May 7</p> <p>Central Idea: Creative expression can communicate thoughts, feelings and ideas.</p> <p>Key Concepts: Form, Function, Perspective</p> <p>Related Concepts: Creativity, Discovery, Expression, , Shapes</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into how imagination creates new ideas An inquiry into life's lessons from multiple media An inquiry into the importance of art and music <p>Focus on: Language//PSPE/Arts</p> <p>Learner Profile: Communicator, Reflective</p>	<p># 1 September 3-Oct.16</p> <p>Central Idea: Organisms react to environmental changes.</p> <p>Key Concepts: Change, Connection, Form</p> <p>Related Concepts: Patterns, Seasons, Systems, Time</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into seasons around the world An inquiry into seasonal patterns An inquiry into how weather affects our lives <p>Focus on: Language/Math/ Science>Technology</p> <p>Learner Profile: Inquirer, Knowledgeable</p>	<p># 3 December 7-Jan.29</p> <p>Central Idea: People and their communities depend on their natural resources.</p> <p>Key Concepts: Causation, Responsibility</p> <p>Related Concepts: Data, Environment, Geography, Maps , Resources</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into how natural resources impact environment An inquiry into how communities face different challenges meeting their needs and wants An inquiry into how our actions affect the environment <p>Focus on: SS/Science>Technology /Math</p> <p>Learner Profile: Caring, Communicator</p>	<p># 6 May 13-June 18</p> <p>Central Idea: Living things grow and change.</p> <p>Key Concepts: Causation, Change Form</p> <p>Related Concepts: Cycles, Measurement, Relationships, Transformation</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into how animals grow and change An inquiry into how plants grow and change An inquiry into how people grow and change An inquiry into the relationship of living things within the environment <p>Focus on: Language/Science>Technology/ Math</p> <p>Learner Profile: Inquirer, Balanced, Knowledgeable</p>
2	<p># 1 September 3-Oct.23</p> <p>Central Idea: Responsible individuals make choices that affect their lives.</p> <p>Key Concepts: Function ,Responsibility</p> <p>Related Concepts: Balance ,Choice, Interactions</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into leadership and service An inquiry into personal, physical, mental and social health An inquiry into making healthy choices <p>Focus on: Language/SS/ /PSPE</p> <p>Learner Profile: Balanced, Principled, Thinker</p>	<p># 5 March 8-April 23</p> <p>Central Idea: Changes from the past and discoveries of the present revitalize humankind.</p> <p>Key Concepts: Causation, Change, Function</p> <p>Related Concepts: Discovery, Time, Values</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into how the past affects the present An inquiry into how people's actions create change An inquiry into how people work together to solve problems. <p>Focus on: Language/SS/Math</p> <p>Learner Profile: Risk-Taker, Knowledgeable</p>	<p># 3 December 7-Jan.22</p> <p>Central Idea: People around the world celebrate traditions and events to express their beliefs.</p> <p>Key Concepts: Connection, Perspective</p> <p>Related Concepts: Culture, Beliefs, Diversity, Symbols</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into how cultures and traditions influence holidays An inquiry into similarities and differences of cultures An inquiry into cultural symbols and images <p>Focus on: Language/SS/ Arts</p> <p>Learner Profile: Open-Minded, Communicator</p>	<p># 2 October 26-Dec.4</p> <p>Central Idea: Earth changes in natural and unnatural ways.</p> <p>Key Concepts: Causation, Change, Form</p> <p>Related Concepts: Properties, Structures, Transformation</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into changes that occur on Earth An inquiry into how we use Earth's resources An inquiry into the location of Earth's resources <p>Focus on: Language/Math/Science >Technology</p> <p>Learner Profile: Reflective, Inquirer</p>	<p># 4 January 25-March 5</p> <p>Central Idea: Where you live affects how you live.</p> <p>Key Concepts: Causation, Connection</p> <p>Related Concepts: Geography, Resources, Interdependence</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into characteristics of communities An inquiry into how communities develop and sustain themselves An inquiry into challenges in meeting needs and wants <p>Focus on: Language/SS/Science> Technology/</p> <p>Learner Profile: Caring, Knowledgeable</p>	<p># 6 April 26-June 18</p> <p>Central Idea: Living things are affected by and adapt to the natural world.</p> <p>Key Concepts: Causation ,Change, Connection</p> <p>Related Concepts: Cycles, Environment, Habitats</p> <p>Lines of Inquiry:</p> <ol style="list-style-type: none"> An inquiry into the characteristics of the major biomes An inquiry into the physical and behavioral adaptations that allow animals to survive An inquiry into the connections between animals and people in those habitats <p>Focus on: Language/ Science>Technology</p> <p>Learner Profile: Principled, Caring</p>



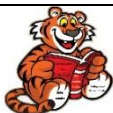
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3	# 3 November 23-Jan.15 Central Idea: Communities or cultures have unique histories. Key Concepts: Connections, Perspective Related Concepts: Culture, Diffusion, Literature Lines of Inquiry: 1. An inquiry into ways of understanding history 2. An inquiry into how cultures exchange ideas 3. An inquiry into holidays and traditions 4. An inquiry into individuals who make history Focus on: Language/SS/ PSPE Learner Profile: Thinker, Open-Minded	# 2 October 19-Nov.20 Central Idea: Cultural awareness develops by analyzing other civilizations. Key Concepts: Change, Connection, Perspective Related Concepts: Diversity, Expression, Meaning Lines of Inquiry: 1. An inquiry into similarities and differences from other world overviews 2. An inquiry into our place in the world 3. An inquiry into the views of newcomers and their communities Focus on: Language/SS/Arts Learner Profile: Open-Minded, Caring	# 4 January 19-March 12 Central Idea: Creativity leads to innovations. Key Concepts: Connection, Form, Function Related Concepts: Conflict, Innovation, Sequence Lines of Inquiry: 1. An inquiry into the process of designing solutions 2. An inquiry into how math and science are connected 3. An inquiry into how inventions impact the world Focus on: Science/Technology/Math/PSPE Learner Profile: Communicator, Principled	# 5 March 15-April 30 Central Idea: Geography creates challenges for living things. Key Concepts: Causation, Change Related Concepts: Adaptation, Environment, Geography Lines of Inquiry: 1. An inquiry into how environments affect human activity 2. An inquiry into how human activities affect the physical environment 3. An inquiry into how environment affects behaviors Focus on: Language/Science>Technology Learner Profile: Balanced, Inquirer	# 1 September 3-Oct.16 Central Idea: Citizens contribute to maintain a community. Key Concepts: Function, Responsibility Related Concepts: Contributions, Government, Interconnectedness Lines of Inquiry: 1. An inquiry into how communities exist 2. An inquiry into the contributions of citizens 3. An inquiry into government leadership Focus on: Language/SS Learner Profile: Risk-Taker, Knowledgeable	# 6 May 3-June 18 Central Idea: People, plants, and animals depend on each other for survival. Key Concepts: Causation, Form, Responsibility Related Concepts: Growth, Interdependence, Relationships, Resources Lines of Inquiry: 1. An inquiry into the growth and development of organisms 2. An inquiry into the importance of plants 3. An inquiry into how we depend on exporting and importing goods and resources for survival Focus on: Language//Science>Technology/Arts Learner Profile: Inquirer, Risk-Taker
4	# 1 September 3 –Oct.16 Central Idea: Beliefs, values, and location determine our overall well-being. Key Concepts: Form, Perspective, Responsibility Related Concepts: Beliefs, Diversity, Location, Traditions Lines of Inquiry: 1. An inquiry into the commonalities of people 2. An inquiry into regional and cultural traditions 3. An inquiry into cultural diversity Focus on: Language/SS/ PSPE Learner Profile: Caring, Open-Minded, Risk-taker	# 2 October 19- Nov.19 Central Idea: Revolution leads to opportunities and new understandings. Key Concepts: Change, Function, Perspective Related Concepts: Conflict, Justice, Revolution Lines of Inquiry: 1. An inquiry into political rights that lead to revolution 2. An inquiry into the economic rights that lead to revolution 3. An inquiry into the different points of view of people affected by revolution Focus on: Language/SS Learner Profile: Inquirer, Thinker	# 6 May 3-June 18 Central Idea: People communicate in different ways to express ideas and share information. Key Concepts: Causation, Connection, Perspective Related Concepts: Communication, Creativity, Expressions, Values Lines of Inquiry: 1. An inquiry into communicating and expressing ideas 2. An inquiry into the way culture affects the way people communicate 3. An inquiry into ways communication changes across time 4. An inquiry into ways organisms receive and process information Focus on: Language/Math/Science>Technology Learner Profile: Communicator, Principled	# 4 January 11-Feb.26 Central Idea: Energy can be transformed, conserved and sustained to meet societal needs. Key Concepts: Form, Function, Responsibility Related Concepts: Energy, Innovation, Matter Lines of Inquiry: 1. An inquiry into the different forms of energy sources 2. An inquiry into the conservation of energy 3. An inquiry into sustainable energy practices Focus on: Language/Science>Technology Learner Profile: Knowledgeable, Thinker	# 3 November 23--Jan.8 Central Idea: People influence decision making to generate change. Key Concepts: Causation, Change, Form Related Concepts: Government, Resources, Structure, Transformation Lines of Inquiry: 1. An inquiry into how beliefs and values contribute to the actions of communities 2. An inquiry into causes of conflict within a nation 3. An inquiry into changes in society and government as a result of conflict 4. An inquiry into evaluating change resulting from conflict Focus on: Language/SS Learner Profile: Knowledgeable, Open-Minded, Reflective	# 5 March 1-April 30 Central Idea: Environmental features shape the world of its inhabitants. Key Concepts: Connection, Form, Function Related Concepts: Environmental Awareness, Ecosystems, Conflict Resolution Lines of Inquiry: 1. An inquiry into the importance of community relationships 2. An inquiry into natural resources 3. An inquiry into how environments affect human activities and how human activities affect environment 4. An inquiry into similarities and differences in regions around the world Focus on: Language/Science>Technology/Arts Learner Profile: Balanced, Open-Minded



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5	<p>#4 February 1-March 19</p> <p>Central Idea: Geography influences relationships amongst communities.</p> <p>Key Concepts: Change, Form</p> <p>Related Concepts: Geography, Habitats, Natural Resources</p> <p>Lines of Inquiry: 1. An inquiry into physical characteristics of the Western Hemisphere 2. An inquiry into how natural resources affect the way people live in the Western Hemisphere 3. An inquiry into how geography affects animal habitats in the Western Hemisphere</p> <p>Focus on: SS/Science>Technology /Arts</p> <p>Learner Profile: Thinker, Balanced</p>	<p>#6 May 3-June 24</p> <p>Central Idea: Past civilizations contribute to present day society.</p> <p>Key Concepts: Change, Connection, Form</p> <p>Related Concepts: Adaptations, Civilizations, Contributions, Modification</p> <p>Lines of Inquiry: 1. An inquiry into characteristics of civilizations 2. An inquiry into adaptation 3. An inquiry into developments and achievements of past civilizations</p> <p>Focus On: Language/SS/ Science> Technology</p> <p>Learner Profile: Communicator, Knowledgeable, Thinker</p>	<p>#2 October 19-December 4</p> <p>Central Idea: Cultures influence how people view the world.</p> <p>Key Concepts: Connection, Perspective, Responsibility</p> <p>Related Concepts: Culture ,Diversity ,Influence</p> <p>Lines of Inquiry: 1. An inquiry into how different experiences influence perspectives 2. An inquiry into cultural diversity 3. An inquiry into how cultural interactions benefit the lives of people</p> <p>Focus on: Language/SS/Science> Technology</p> <p>Learner Profile: Open-Minded, Principled</p>	<p>#1 September 3-Oct.16</p> <p>Central Idea: Distribution of finite resources vary around the world.</p> <p>Key Concepts: Perspective ,Responsibility</p> <p>Related Concepts: Economics ,Equity, Resources</p> <p>Lines of Inquiry: 1. An inquiry into how resource use affects Earth 2. An inquiry into keeping Earth's systems healthy 3. An inquiry into how economics impinges upon needs and wants</p> <p>Focus on: Language/SS/Science> Technology</p> <p>Learner Profile: Balanced, Inquirer</p>	<p>#3 December 7-Jan.29</p> <p>Central Idea: Systems and structure impact humankind.</p> <p>Key Concepts: Form, Function</p> <p>Related Concepts: Government, Interaction, Systems</p> <p>Lines of Inquiry: 1. An inquiry into the structures and function of government 2. An inquiry into how government affects the lives of all people 3. An inquiry into the major systems of living things</p> <p>Focus on: SS/Science>Technology/ PSPE</p> <p>Learner Profile: Reflective, Thinker</p>	<p>#5 March 22-April 30</p> <p>Central Idea: The migration of living things may lead to change.</p> <p>Key Concepts: Causation, Change, Perspective</p> <p>Related Concepts: Ecosystems, Matter, Migration</p> <p>Lines of Inquiry: 1. An inquiry into migration throughout history 2. An inquiry into the effects of migration on communities, cultures and individuals 3. An inquiry into how the movement of matter causes the ecosystem to change</p> <p>Focus on: Language/SS/Science> Technology</p> <p>Learner Profile: Caring, Risk-Taker</p>
6	<p>#4 January 19- Feb. 26</p> <p>Central Idea: Traits shape behavior and interactions with others.</p> <p>Key Concepts: Causation, Connection, Perspective</p> <p>Related Concepts: Adaptation, Beliefs , Relationships</p> <p>Lines of Inquiry: 1. An inquiry into human relationships as it relates to setting and innate characteristics 2. An inquiry into human adaptations to society and the impact of migration 3. An inquiry into cultural influence on beliefs and values 4. An inquiry into overcoming obstacles in daily life</p> <p>Focus on: Language/ SS/ Math</p> <p>Learner Profile: Communicators, Caring</p>	<p>#5 March 1-April 30</p> <p>Central Idea: Society changes as consequences of human development and/or environmental change.</p> <p>Key Concepts: Change, Form, Responsibility</p> <p>Related Concepts: Development ,Patterns, Structure</p> <p>Lines of Inquiry: 1. An inquiry into how human beings developed from the Paleolithic Age to the Neolithic Age as they interacted with their environment and developed new forms of society 2. An inquiry into how archeologists can use tools 3. An inquiry into how the Neolithic Age represents a turning point in the development of human beings</p> <p>Focus on: SS /Language</p> <p>Learner Profile: Open-Minded, Risk-Taker</p>	<p>#3 November 23-Jan.15</p> <p>Central Idea: Classical civilizations share many characteristics and continue to influence modern life.</p> <p>Key Concepts: Change, Connection, Perspective</p> <p>Related Concepts: Civilizations, Justice</p> <p>Lines of Inquiry: 1. An inquiry into Ancient Civilizations and systems created prove to be foundational for today's society 2. An inquiry into laws and structures from the past that positively impacted the world 3. An inquiry into how geographic factors impact the development of civilizations</p> <p>Focus on: SS/Language/ Arts</p> <p>Learner Profile: Balanced, Reflective</p>	<p>#6 May 3-June 18</p> <p>Central Idea: Energy sources impact productivity and everyday activities.</p> <p>Key Concepts: Change, Form, Function</p> <p>Related Concepts: Energy ,Impact, Systems</p> <p>Lines of Inquiry: 1. An inquiry into how energy interacts with and changes objects 2. An inquiry into analyzing the function of a system's kinetic and potential energy 3. An inquiry into how relative positions of objects in a system change the amount of potential energy</p> <p>Focus on: Science>Technology/ Language/ Arts</p> <p>Learner Profile: Inquirer ,Thinker</p>	<p>#2 October 13- Nov. 20</p> <p>Central Idea: Beliefs and values play a significant role in the world today.</p> <p>Key Concepts: Causation ,Connection, Perspective</p> <p>Related Concepts: Religion , Systems</p> <p>Lines of Inquiry: 1. An inquiry into similarities and differences in major world religions 2. An inquiry into why all the major religions have a "Golden Rule" 3. An inquiry into how religion has influenced the daily lives and outlook of many people throughout history</p> <p>Focus on : SS/ Language/ Math</p> <p>Learner Profile: Communicator, Open-Minded</p>	<p>#1 September 3-October 9</p> <p>Central Idea: Geography determines and influences history.</p> <p>Key Concepts: Function ,Responsibility</p> <p>Related Concepts: Geography, Interdependence, Technology</p> <p>Lines of Inquiry: 1. An inquiry into how trade networks promote the exchange and diffusion of language, belief systems, tools, intellectual ideas, inventions, and diseases 2. An inquiry into how pivotal events in history have promoted the interaction of people and the blending of cultures 3. An inquiry into how complex societies and civilizations adapt and design technologies that ensure adaptation to the environment and their survival</p> <p>Focus on: SS/Language/Science> Technology</p> <p>Learner Profile: Knowledgeable ,Principled</p>