

## Chappell Elementary School: Program of Inquiry (POI)

Revised: September 13, 2012		WHO WE ARE	HOW THE WORLD WORKS	HOW WE ORGANIZE OURSELVES	WHERE WE ARE IN PLACE AND TIME	HOW WE EXPRESS OURSELVES	SHARING THE PLANET
	<i>SUBCATAGORIES</i>						
3-4 Year Old Early Childhood 4-Year Old Kindergarten	Theme	The nature of self	An inquiry into how humans use their understanding of scientific principles			An inquiry into our appreciate of the aesthetic	Communities and the relationships within and between them
	Central Idea	The exploration of the body can show how humans are unique.	We measure in different ways			People can express their feelings and ideas through the medium of art.	Environments can generate cycles of change in plants
	Lines of Inquiry	1. physical characteristics (form) 2. different ways humans are unique (form) 3. responsibilities toward your body (responsibilities)	1. standard units of measurement (function) 2. non-standard units to explore measuring (connection) 3. connections to our lives (connection)			1. different materials used in art (reflection) 2. How art materials can be used for different purposes (perspective) 3. How feelings can shape expressed art (reflection)	1. Characteristics of a plant (changes) 2. How plants change and grow (change) 3. How the environment affects the plant cycle (causation)
	Key Concepts	Form, responsibility	Function, connections			Reflection, Perspective	Causation, change
	Related Concepts	Identity, relationships	Measurement, system			Opinion, pattern	Cycles, changes, relationship
Kindergarten	Theme	What it means to be human	The interaction between the natural world (physical and biological) and human societies	An inquiry into the interconnectedness of human-made systems and communities;	Relationship between the interconnectedness of individuals and civilizations, from local and global perspectives	The ways in which we reflect on, extend and enjoy our creativity	Communities and the relationships within and between them
	Central Idea	Humans explore the world around them through the use of their five senses.	Inquiry helps us learn.	Schools are organized to help us learn.	Transportation moves people and things.	Humans recognize events through celebrations and traditions.	Humans have a responsibility to care for the earth.
	Lines of Inquiry	1. how will the five senses help us explore the world (connection) 2. way in which the five senses work together (function) 3. Functioning without all five senses (causation)	1. Making connections (connection) 2. Investigating topics (causation) 3. Reflecting on new information (reflection)	1. the people and their responsibilities in our school (responsibility) 2. places and their purposes in our school (function) 3. personal stories from the school (connection) 4. making contributions to our school (responsibility)	1. evolution of transportation (change) 2. how transportation affects daily life (function) 3. understanding how places are connected (connection)	1. family traditions (perspective) 2. how and why people celebrate (causation) 3. expressing creativity through celebrations (reflection)	1. recycling different materials (form, reflecting) 2. reducing waste (connection) 3. our responsibility for the well-being of the environment (responsibility)
	Key Concepts	Connection, function, causation	Connection, causation, reflection	Responsibility, function, connection	Change, function, connection	Perspective, causation, reflection	reflection, connection, responsibility, form
	Related Concepts	Relationships, prediction, adaptations, diversity	Property, Discovery, Matter	Organization, task, roles	Goods and services, interaction	Tradition, family, cooperation, celebrations	Reduce, recycle, renewable resources,
1 <sup>st</sup> Grade	Theme	Human relationships including families, friends, communities, and cultures	The interaction between the natural world (biological and physical) and human societies	Structure and functions of organization	personal histories	The ways in which we discover and express ideas, feelings, nature, culture, beliefs and values	Rights and responsibilities in the struggle to share finite resources with other people and other living things
	Central Idea	Families are diverse structures.	Organisms are connected to their environments.	Communities use systems to fulfill needs.	Stories provide insight into people’s histories and interests.	People express ideas through different forms of communication.	Conservation and responsible use of water contributes to the survival of all living things.
	Lines of Inquiry	1. Different types of families (form) 2. Acknowledging others’ perspectives (perspective) 3. The influence of cultural heritage and celebrations (connection)	1. comparisons of living-nonliving (form) 2. comparisons of habitats (connection) 3. man’s effects on habitats (causation)	1. roles and responsibilities of our community members (responsibility) 2. organizing to meet needs (function) 3. cause and effect of individual and group actions (reflection)	1. personal change from birth to present: self and family (change) 2. reflecting on past experience (perspective) 3. ways of documenting personal experiences (causation)	1. people express themselves in diverse ways (perspective) 2. language can be interpreted in different ways (reflection) 3. role of communication in culture and society (connection)	1. sources and uses of fresh water (function) 2. water shortages (causation) 3. personal responsibility to use water conservatively (responsibility)
	Key Concepts	Form, perspective, connection	Form, connection, causation	Responsibility, function, reflection,	Change, perspective, causation	Perspective, reflection, connection	Function, causation, responsibility
	Related Concepts	Diversity, open mindedness, geography, resources, roles, values, beliefs, geography	Transformation, Interaction	Roles & responsibilities, consequences, community, citizenship	Autobiography, timeline, photo story	Poetry, drama, story-telling, movement, visual arts, music, language	Water cycle, conservation, weather, measurement
2 <sup>nd</sup> Grade	Theme	Personal, physical	An inquiry into the natural world and its laws	The structure and function of organizations	The relationship between and the interconnectedness of individual and civilizations	The ways in which we discover and express ideas, feelings, nature culture, beliefs and values	Peace and conflict resolution
	Central Idea	The choices individuals make affect their health.	All living things go through a process of change.	Leaders’ actions facilitate change	Civilizations’ advancements have impacted how individuals interact with society	Cultures express their beliefs and values through folktales.	People use conflict resolution to promote peace.
	Lines of Inquiry	1. types of personal choices – hygiene, safety, food (form) 2. how personal choices affect your health (causation) 3. how you can improve your health (reflection)	1. life cycles (form) 2. developmental stages of various living things (function) 3. how living things adapt to change (change)	1. Leaders’ roles (function) 2. Types of Action (form) 3. Ways action influence change (connection) 4. Responsibility of leaders (responsibility)	1. advances of civilizations – work, technology, roles – (function) 2. ways advances impact peoples’ interactions (connection) 3. consequences of advances (perspective)	1. beliefs and values of different cultures (form) 2. connections to folktales (connection) 3. lessons learned from folktales (reflection)	1. what conflict is (form) 2. causes of conflict (perspective) 3. methods to promote peace (responsibility)

Chappell Elementary School: Program of Inquiry (POI)

	Key Concepts	Form, causation, reflection	Change, form, function	Function ,connection, responsibility	Function, connection, perspective	Form, reflection, connection	Form, responsibility, perspective
	Related Concepts	germ, hygiene, safety, food group, decision-making	Life cycles, developmental stages, adaptations, habitat/environment	Leadership, responsibility, change	Technology, roles, evolution	Values and beliefs, culture, folktales	Communication, friendship, conflict resolution
3 <sup>rd</sup> Grade	Theme	Rights and responsibilities	The impact of scientific and technological advances on society and the environment	The structure and function of organizations	Discoveries and explorations	An inquiry into the ways in which we discover and express ideas, feelings, nature, culture, beliefs and values	Access to equal opportunities
	Central Idea	Authors use characters to model international mindedness.	Machines have allowed humans to become more efficient.	The structures of government determine how society functions.	The curiosity of mankind has led to the exploration of space which has resulted in many discoveries.	Through the arts people use different forms of expression to convey their uniqueness	People can establish practices in order to sustain and maintain the Earth’s resources.
	Lines of Inquiry	1.learner profiles and attitudes (form) 2. characters are used to model responsible choices (responsibility) 3. Authors convey messages (reflection)	1. how simple machines work (function) 2. the role of machines over time (function) 3.efficiency of these machines (causation)	1. structure and function of the government (function) 2. services provided by the different structures of government (function) 3. similarities and differences of government structures around the world (perspective)	1. history of exploration (form) 2. discoveries made from these explorations (connection) 3. future exploration (change)	1. The diverse ways people express themselves (perspective) 2. The role of the arts in society (function) 3. What are the arts (form)	1. relationship between consumption & conservation (connection) 2. limited nature of earth’s resources (causation) 3. personal choices that can help sustain the environment (responsibility)
	Key Concepts	Form, responsibility, reflection	Causation, function	Function, perspective	Connection, form, change	Perspective, function, form	Causation, responsibility, connection
	Related Concepts	IB Learner Profiles, attitudes	Pulley, wheel & axle, lever, screw, inclined plane, wedge, inventions	Government, systems, structure	Discovery, exploration	Arts, uniqueness, society, diverse	Natural resources, consumption, conservation
4 <sup>th</sup> Grade	Theme	The personal, physical, mental social and spiritual health	How humans use their understanding of scientific principles	Economic activities and their impact on humankind and the environment	An inquiry into personal histories, homes and journeys, discoveries, explorations, and migrations of man; all from local and global perspectives	The ways in which we discover and express ideas, feelings, nature, culture, beliefs and values	An inquiry into the rights and responsibilities in the struggle to share finite resources with other people and with other living things
	Central Idea	Emotional and physical change can influence personal choices.	The interaction of matter and energy causes an impact on our world.	Supply and demand drive market systems.	Immigration impacts socities.	Cultural beliefs can be expressed through legends and mythology	Animal adaptations and their environments are connected.
	Lines of Inquiry	1. puberty (change) 2. nutrition (connection) 3. communication skills/listening skills to build/maintain healthy relationships (reflection)	1. physical and chemical properties of matter (causation) 2. properties of energy (form) 3. scientific discoveries in energy impact our world (change)	1. Manufacturing (function) 2. economic choices (function/reflection) 3. role of money (function/connection)	1. cultural identity (change) 2. reasons to immigrate (perspective) 3. diversity (change/perspective)	1. structure of legends/mythology (function) 2. legends/mythology found in different cultures (connection) 3. ways cultural beliefs are expressed through legends/mythology (perspective)	1. adaptions (causation) 2. interdependence of animals and their biomes (connection) 3. human interaction with the environment (responsibility)
	Key Concepts	Change, connection, reflection	change, form, causation	Function, connection, reflection	Change, perspective	Function, perspective connection,	causation, connection, responsibility
	Related Concepts	Human systems, healthy relationships	Matter, electricity, circuits, magnetism	Marketplace, global connections	Cultural preservation, progress	Cultural values, emotion/sensation from literature	Animal classifications, survival, weather/climate change
5 <sup>th</sup> Grade	Theme	What it means to be human	Natural world and its laws; how humans use their understanding of scientific principles	Societal decision making	The discoveries, explorations and migrations of humankinds; local and global perspectives	The ways in which we discover and express ideas and values; the ways in which we reflect on, extend and enjoy our creativity	Access to equal opportunities
	Central Idea	Humans learn in different ways which impact how they interact with others.	Humans interact and manipulate forces to meet needs in their lives	Societal decision-making affects people.	Explorations can have positive and negative results	Beliefs and values can be expressed through writing	Recognition of human rights by a society can affect access to equal opportunities
	Lines of Inquiry	1. how people construct knowledge (function) 2. different learning styles (perspective) 3. how learning styles impact the way people collaborate (reflection)	1. scientific laws (form) 2. laws of motion in technology and design (function) 3. impact of scientific laws on people	1. Representative government (responsibility) 2. Initiative (connection) 3. Societal responses (causation)	1. explorers and their journeys (change) 2. Motivational factors that trigger exploration (causation) 3. the positive and negative results of exploration (perspective)	1. values and beliefs (reflection) 2. artist’s message (responsibility) 3. genres of writing (form)	1. equal opportunity (function) 2. human rights (form) 3. role of organizations in defending human rights (responsibility)
	Key Concepts	Reflection, function, perspective	Form, function, connections	Causation, connection, responsibility	Causation, perspective, change	Form, reflection, responsibility	Form, function, responsibility
	Related Concepts	Diversity, motivation, brain, equity/fairness	Systems, evidence, interpretation	Initiatives, decision-making, risk-taking	Consequences, impacts, behavior	Creativity, influence, self-expression	Government systems, laws/rules, migration/immigration