

**Le Jardin Academy
PYP Program of Inquiry
2016-17**

| Grade Level | <p>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.</p> | <p>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 the interconnectedness of individuals and civilizations, from local and 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 and biological) and human societies; how humans use their understanding of scientific principles; the impact of scientific and technological advances on society and 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 the 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> |
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| <p style="text-align: center;">PK (ages 3-4)</p> | <p>Central Idea: People are both the same and different in many ways.</p> <p>Key Concepts: form, function connection</p> <p>Related Concepts: properties, relationships, behavior, role, feelings, diversity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How we look • How we show our feelings • Who is in our family • Ways to respect our uniqueness | | <p>Central Idea: Learners can use rhyme, rhythm and repetition to discover and understand how language works.</p> <p>Key Concepts: form, function, connection</p> <p>Related Concepts: repetition, patterns, sequence, enjoyment, systems</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Pattern & structure of language • Experimenting with language • Language for enjoyment and information | | <p>Central Idea: Children learn to play alone and with others using different places and different things.</p> <p>Key concepts: function connection, responsibility</p> <p>Related Concepts: communication, cooperation, action/reaction, role play, design, attitudes</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Learning to play in a school environment • Ways to use space and materials to construct and create • Dramatic play • Ways to cooperate and respect others | <p>Central Idea: Our earth provides a home for all people, animals and plants.</p> <p>Key concepts: form, change, responsibility</p> <p>Related concepts: properties, transformation, citizenship, values</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Air, land, underground and water on our planet • Seeing and sharing earth as our home • Caring for and respecting our environment • Observing change in our environment |

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| <p style="text-align: center;">JK (ages 4-5)</p> | <p>Central Idea: Senses provide a means to understand the world.</p> <p>Key concepts: form, function, connection</p> <p>Related concepts: similarities & differences, communication, interdependence, impact</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Identification and purpose of the senses • How people use their senses to experience the world • How memories can be connected through different senses | | <p>Central Idea: Children can learn to draw, speak, write, and read to communicate ideas, gain information, and for enjoyment.</p> <p>Key concepts: form, function, reflection</p> <p>Related concepts: structure, genre, communication, expressive language</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Purpose of signs and symbols around us and in the world • Literary structures and conventions • Types and purposes of different genres • Expressing ourselves to others in many ways | <p>Central Idea: Changes in the natural world cause things to appear and disappear.</p> <p>Key concepts: causation, change, perspective</p> <p>Related concepts: impact, transformation, sustainability, impact</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Types of things that appear and disappear • Reasons things remain or vanish • Ways to protect the natural world | | <p>Central Idea: People and bugs are interconnected in helpful and/or harmful ways.</p> <p>Key concepts: form, connection, responsibility</p> <p>Related concepts: similarities & differences, interdependence, patterns, characteristics</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Types and purposes of different bugs • Ways people interact with bugs • Responsibility of people to preserve and conserve natural habitat |
| <p style="text-align: center;">K (ages 5-6)</p> | <p>Central Idea: Children learn to make choices every day to live a balanced lifestyle.</p> <p>Key concepts: causation, responsibility, reflection</p> <p>Related concepts:</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Daily habits and routines (hygiene, sleep, play, eating) • Making informed choices • Consequences of choices | <p>Central Idea: Play is universal and provides different experiences all over the world.</p> <p>Key concepts: form, function, connection</p> <p>Related concepts: properties, rules, patterns, relationships, systems</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Materials used for play • Reasons people play • Ways games are played (group, individual, playground, sport games, etc.) | <p>Central Idea: People tell stories and perform songs to explore feelings, explain the world, and entertain.</p> <p>Key concepts: function, causation, perspective</p> <p>Related concepts: expression, communication, interpretation</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Affect songs, stories, and poems have on our emotions • Reasons characters behave the way they do • Presenting to a variety of audiences • Learning from songs, stories, and poems | <p>Central Idea: Animals' characteristics and behaviors help them thrive in their environments.</p> <p>Key concepts: form, function, causation</p> <p>Related Concepts: properties, behavior, habitat</p> <p>Lines of Inquiry :</p> <ul style="list-style-type: none"> • The different types of animals • Characteristics and needs of animals • Behaviors of animals • Where animals live | <p>Central Idea: Communities make efforts to create transportation systems that meet their needs.</p> <p>Key concepts: form, function, connection</p> <p>Related concepts: systems</p> <p>Lines of Inquiry :</p> <ul style="list-style-type: none"> • Purposes of signs, symbols, and maps • Reasons for transporting people and things • Purposes of different roles and types of vehicles in communities | <p>Central Idea: People's usage of materials impacts natural resources and the earth.</p> <p>Key concepts: form, causation, responsibility</p> <p>Related concepts: properties, origin, impact, consequences, conservation</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Origin and uses of materials • People's dependence on finite resources • Responsibility to conserve and sustain natural resources |

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| <p>1st (ages 6-7)</p> | <p>Central Idea: Family relationships contribute to shaping our identity.</p> <p>Key concepts: function, connection, reflection</p> <p>Related concepts: values, tradition, communication, presentation, choice, balance</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What a family is • Identifying self • Family values and traditions | <p>Central Idea: People around the world design and build different homes using their natural environment.</p> <p>Key concepts: form, causation, connection</p> <p>Related concepts: structure, resources, interdependence, relationships</p> <p>Lines of Inquiry :</p> <ul style="list-style-type: none"> • Different shelters around the world • Various climates and available natural resources • The influence the natural environment has on types of shelters | <p>Central Idea: Dance is a form of expression that brings people and communities together.</p> <p>Key concepts: function, causation, perspective</p> <p>Related concepts: movement, patterns, sequences, communication, culture, similarities, differences</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Purposes of dance • How dance is choreographed • Similarities and differences among dances throughout the world | <p>Central Idea: Cycles are patterns that impact the world.</p> <p>Key Concepts: form, change, connection</p> <p>Related Concepts: sequence, repetition, influence</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Different types of cycles • Categorizing cycles • Ways cycles impact our lives | <p>Central Idea: Communities depend upon systems and networks to provide and distribute food.</p> <p>Key concepts: function, causation, connection</p> <p>Related concepts: systems, organization, process, structure, community, networks</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Different types of farms • Food processing and packaging • Food distribution | <p>Central Idea: We share the planet with many animals and our actions can affect their survival.</p> <p>Key concepts: causation, responsibility</p> <p>Related concepts: survival, interdependence, conservation, habitat</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Animals that are endangered • How people or nature impact animal habitats • Our responsibility towards animals and nature |
| <p>2nd (ages 7-8)</p> | <p>Central Idea: A person's character and attitude can affect relationships with friends.</p> <p>Key concepts: causation, connection, perspective</p> <p>Related concepts: consequences, impact, relationships, opinion, beliefs</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Similarities and differences between individuals • Recognizing and dealing with conflict • Developing and maintaining relationships | <p>Central Idea: People explore our world, which leads to discovery and develops new understandings.</p> <p>Key concepts: causation, change, reflection</p> <p>Related concepts: consequences, impact, sequences, transformation, evidence, interpretation</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Why people explore • How people explore • The impact exploration has had on the world | <p>Central Idea: People record and express their feelings, beliefs, and values through visual arts.</p> <p>Key concepts: form, function, perspective</p> <p>Related concepts: structure, shape, pattern, inspiration, opinion</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • The diverse ways in which artists express themselves • Inspiration for the creation of art • The purpose of art • Presentation and preservation of art | <p>Central Idea: The ocean's ecosystem is essential to the balance of life.</p> <p>Key concepts: function, connection, responsibility</p> <p>Related concepts: role, interdependence, relationships, balance, initiative, invention</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Interdependence of ocean animals • Influence the habitat has on its organisms • The impact of human beings and technology on the ocean | <p>Central Idea: Math is a system that organizes our world by providing order.</p> <p>Key concepts: function, change, connection</p> <p>Related concepts: systems, patterns, adaptation, transformation, networks, beat/tone</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • How math organizes • Math as a dynamic system • The role math systems play in daily life | <p>Central Idea: Conservation and maintenance of our earth's materials can improve and sustain life.</p> <p>Key concepts: form, change, responsibility</p> <p>Related concepts: sequences, transformation, growth, resources</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Physical properties of earth materials • Healthy soil conditions for plant growth • The connection between healthy soil and sustaining life • Responsibility of humans to our natural resources |

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| <p>3rd (ages 8-9)</p> | <p>Central Idea: The choices of citizens impact their community.</p> <p>Key concepts: function, causation, responsibility</p> <p>Related concepts: citizenships, rights, structure, consequences, rules, order</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • The rights of citizens • Citizen responsibilities • The importance of rules in a community | <p>Central Idea: Earth's physical geography has an impact on human interaction and settlements.</p> <p>Key concepts: form, causation, change</p> <p>Related concepts: geography, resources, location, settlement, transformation, history</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Features of physical geography • The relationship between location and access to resources • Impact of human interaction on the natural and built environment | <p>Central Idea: People use oral communication in different ways to express ideas and share information.</p> <p>Key concepts: function, perspective, reflection</p> <p>Related concepts: communication, audience, perspective</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • The purpose of oral communication • The types and styles of oral communication • Elements of effective oral communication | <p>Central Idea: Over time, societies create innovations to make work easier.</p> <p>Key concepts: function, causation, change</p> <p>Related change: invention, force, technology</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What work is • The role different types of machines play in making work easier • The impact technological advances have on work | <p>Central Idea: When resources are scarce, economic decisions have to be made.</p> <p>Key concepts: causation, connection, responsibility</p> <p>Related concepts: resources, supply & demand, networks, systems, interdependence, community</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Ways people make informed decisions • Goods and services needed to sustain a community • Supply and demand | <p>Central Idea: Responsible stewardship of water is essential to the survival of all living things.</p> <p>Key concepts: form, connection, responsibility</p> <p>Related concepts: conservation, sustainability, erosion, movement, properties</p> <p>Lines of Inquiry :</p> <ul style="list-style-type: none"> • The uses and properties of water • The distribution and availability of water • The impact of human activity on water • Our responsibility towards water |
| <p>4th (ages 9-10)</p> | <p>Central Idea: Folklore provides a window into the belief systems and values of cultures.</p> <p>Key concepts: form, connection, perspective</p> <p>Related concepts: religion, culture, identity, traditions</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • What a belief system is • How folklore symbolizes beliefs and values • How values and beliefs connect cultures around the world | <p>Central Idea: Throughout history, people have been on the move, with wide-ranging effects.</p> <p>Key concepts: causation, change, connection</p> <p>Related concepts: migration, population, settlement, geography, artifacts, traditions, diversity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Human journeys and migrations • Effects of migration on communities, cultures, and individuals • Personal histories impact future generations | <p>Central Idea: Media has the power to influence and manipulate our perspectives.</p> <p>Key concepts: causation, perspective, reflection</p> <p>Related concepts: communication, truths, prejudice, culture, identity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Different aspects of the media and their influence on society • Devices that are used to manipulate perceptions • Our response to media influences | <p>Central Idea: Over time, people are affected by the natural features of the earth and its continual changes.</p> <p>Key concepts: form, causation, change</p> <p>Related concepts: structure, geology, erosion, impact, landscapes, settlement, interdependence, biodiversity</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • The different rocks and minerals that make up the planet Earth • How and why the Earth changes and continues to change • How the various changes in the Earth affect humans and their environment | <p>Central Idea: Systems need to be in place to maintain communities.</p> <p>Key concepts: function, connection, responsibility</p> <p>Related concepts: government, transportation, citizenship, networks, distribution, interdependence</p> <p>Lines of Inquiry :</p> <ul style="list-style-type: none"> • Balance and management of systems within a community • Systems within communities work independently and interdependently • How distribution of community systems requires thoughtful planning | <p>Central Idea: The biodiversity of an ecosystem relies on the interdependency of organisms within systems.</p> <p>Key concepts: change connection, responsibility</p> <p>Related concepts: biodiversity, conservation, growth, systems, ecology, organisms, pollution, sustainability, consumption</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Biomes and ecosystems. • Ways in which organisms are interconnected • Adaptations of organisms • How human interaction with the environment can affect the balance of systems |

5th (ages 10-11)

Central Idea: The systems of the human body are affected by an individual's lifestyle, habits, and choices.

Key concepts: function, change, connection

Related concepts: systems, role, growth, choices, systems, interdependence

Lines of Inquiry:

- How the systems of the human body function
- The ways the human body changes as you age
- The habits and coping mechanisms of a healthy lifestyle

EXHIBITION:

Students work in collaborative groups, researching a problem of their choice. They decide on an action and implement it.

Central Idea: We can enact change and educate others by identifying and learning about issues in our community.

Key concepts: perspective, responsibility, reflection

Related concepts: bias, opinion, beliefs, communication, independence, balance, self-awareness

Lines of Inquiry:

- How people investigate significant issues in their community
- Commitment and cooperation necessary to within a group
- Ways people reflect, communicate and take action

Central Idea: Throughout history, groups of people have colonized others in order to expand their influence.

Key concepts: form, causation, perspective

Related concepts: similarities, differences, impact, relationship, consequences, beliefs, prejudice, subjectivity

Lines of Inquiry:

- Reasons to colonize
- Impact colonization has on the built and natural environments
- Different perspectives of groups (including native peoples)

Central Idea: In times surrounding war, people express and promote their points of view in many ways.

Key concepts: causation, perspective, reflection

Related concepts: consequences, sequences, subjectivity, beliefs, prejudice, interpretation, evidence

Lines of Inquiry:

- War is a result of conflicting viewpoints and perspectives
- Artistic expressions relating to war (writings, songs, art, monuments, and protests of war)
- How these expressions impact both the creator and audience

Central Idea: The properties and states of matter can change and determine its use.

Key concepts: form, function, change

Related concepts: structure, properties, role, behavior, transformation

Lines of Inquiry:

- The structure and properties of matter
- How materials combine to form mixtures and solutions
- The reactions that can occur when materials combine

Central Idea: Governments provide structure to societies.

Key concepts: function, causation, reflection

Related concepts: systems, rules/law, impact, relationship, evidence, interpretation

Lines of Inquiry:

- How governments work
- Impact a government has on its citizens
- The role government has in a society

Central Idea: Increased demand of finite resources promotes scientific advancement.

Key concepts: form, change, responsibility

Related concepts: energy, transformation, evolution, population, consumption

Lines of Inquiry:

- Different sources of energy
- Changes in the use of energy
- Technological advances