



Utahloy International School, Guangzhou

Programme of Inquiry

2010-2011

K1 CLASS

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 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>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>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>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 on the environment.</p>	<p>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>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>Central Idea: 3 Our senses affect the ways in which we live and learn.</p> <p>Key concepts: form, function, connection</p> <p>Related concepts: perception, growth</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The five senses ➤ How the senses are connected ➤ How we use our senses 		<p>Central Idea: 1 We use play to express our feelings and ideas and in order to come to new understandings.</p> <p>Key concepts: function, connection</p> <p>Related concepts: imagination</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Communicating through play ➤ Imaginative use of everyday materials ➤ Games and toys 	<p>Central Idea: 2 Understanding the way materials behave and interact determines how people use them.</p> <p>Key concepts: function, change</p> <p>Related concepts: prediction, cycles</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Behaviour and uses of materials ➤ Changing properties of materials ➤ Manipulation of materials for specific purposes 	<p>Central Idea: 4 There are many people in our community who provide services that can help us.</p> <p>Key concepts: connection, responsibility</p> <p>Related concepts: community, systems</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The people in our community who help us ➤ Where we can find the people in our community who help us ➤ The ways people in our community help us 	

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<p>Central idea: 2 Families are unique and shape our identity.</p> <p>Key concepts: function, connection, responsibility</p> <p>Related concepts: relationships, identity</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Roles and responsibilities in families ➤ Similarities and differences within family units ➤ Family histories and identity 		<p>Central idea: 1 We use language to communicate and stimulate our imagination.</p> <p>Key concepts: form, connection, perspective</p> <p>Related concepts: communication, imagination</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Ways we express ourselves through language ➤ How language stimulates our imagination ➤ Feelings and emotions that language evoke 	<p>Central Idea: 3 Exploring patterns helps us understand the world we live in.</p> <p>Key concepts: form, function</p> <p>Related concepts: adaptation, observation</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Patterns in the environment ➤ How patterns are used ➤ Following and sequencing patterns 	<p>Central idea: 4 Transportation systems are directly related to the needs of a community.</p> <p>Key concepts: function, connection</p> <p>Related concepts: systems</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Specific purposes of different transportation systems ➤ Factors affecting the kinds of systems that can be developed ➤ Relationship between transportation systems and the environment 	

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<p>Central Idea: 1 Friendships enrich our lives and require nurturing in order to develop.</p> <p>Key concepts: causation, responsibility</p> <p>Related concepts: conflict or cooperation, interdependence</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ How friends are made and kept ➤ Why friends are needed ➤ Characteristics that develop healthy friendships <p>PE, Music</p>	<p>Central Idea: 3 What we live in is influenced by where we live.</p> <p>Key concepts: form, change, connection</p> <p>Related concepts: diversity, location</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Different types of houses people around the world live in ➤ How homes have changed ➤ Why houses are built the way they are (materials, design, environment) <p>Visual Arts</p>	<p>Central idea: 5 The medium of poetry allows for different forms of expression and interpretation.</p> <p>Key concepts: form, perspective, reflection</p> <p>Related concepts: self-expression, creativity, interpretation</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The language structures used in poetry ➤ The diverse ways in which poetry can be interpreted ➤ The feelings and emotions that poetry evokes <p>PE, Music, Languages</p>	<p>Central Idea: 4 Sound and light have properties that can be used in different ways.</p> <p>Key concepts: function, causation, perspective</p> <p>Related concepts: properties</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The properties of sound and light ➤ How sound and light can be used ➤ How people perceive sound and light <p>Music</p>	<p>Central Idea: 6 Money is used as a system of exchange in most parts of the world.</p> <p>Key concepts: form, function</p> <p>Related concepts: systems</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ How money has developed as a system of exchange ➤ How people use money ➤ Different currencies and their values 	<p>Central Idea: 2 Animals have a place in our lives and people can care for them in many ways.</p> <p>Key concepts: responsibility, connection</p> <p>Related concepts: lifestyle</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The role of animals in our community ➤ How humans and animals share our community ➤ Our responsibilities towards animals <p>PE, Visual Arts</p>

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<p>Central Idea: 1 We are alike and different in many ways, but all of us are unique.</p> <p>Key concepts: connection, reflection</p> <p>Related concepts: identity, diversity</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Ways in which we are similar and different ➤ Personal strengths and weaknesses ➤ What makes us unique <p>Visual Arts</p>	<p>Central Idea: 2 Our experiences have similarities and differences to those of people in older generations.</p> <p>Key concepts: change, perspective, causation</p> <p>Related concepts: progress, technology</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ What school and home life was like in the past ➤ How was life different and similar in the past to your life now ➤ The impact of progress on the environment <p>Music</p>	<p>Central Idea: 3 People around the world celebrate for different reasons and in various ways.</p> <p>Key concepts: connection, causation, perspective</p> <p>Related concepts: beliefs, values, culture</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The reasons people celebrate ➤ A comparison of celebrations and rituals across cultures ➤ How and why people celebrate <p>PE, Music, Visual Arts, Languages</p>	<p>Central Idea: 4 Simple machines can make our lives easier.</p> <p>Key concepts: form, function, connection</p> <p>Related concepts: force, energy</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Simple machines in the environment ➤ How simple machines work ➤ Simple machines that can make life easier <p>PE</p>	<p>Central Idea: 5 Jobs within a community involve different roles and responsibilities.</p> <p>Key concepts: connection, responsibility</p> <p>Related concepts: interconnectedness, cooperation</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The need for specific jobs ➤ The skills, training and tools required for different jobs ➤ Interdependence of jobs in a workplace 	<p>Central Idea: 6 Plants are a part of our environment and we can nurture them.</p> <p>Key concepts: form, connection, responsibility</p> <p>Related concepts: cycles, growth</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ What plants need to grow ➤ Our dependence on plants and their products ➤ Our responsibility and action towards plants <p>PE</p>

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<p>Central Idea: 1 Relationships are enhanced by learning about other people's perspectives and communicating our own.</p> <p>Key concepts: perspective, reflection, responsibility</p> <p>Related concepts: communication, cooperation, conflict</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Social interactions ➤ Acknowledging others' perspectives ➤ Managing and resolving conflict 	<p>Central Idea: 5 The design of buildings and structures is dependent upon the environment and the needs of societies at the time.</p> <p>Key concepts: form, change, connection</p> <p>Related concepts: progress, sustainability, transformation</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Different types of structures ➤ Changes in structures overtime and across cultures ➤ Reasons why structures exist 	<p>Central Idea: 6 Stories from ancient times can still be relevant in the world today.</p> <p>Key concepts: form, connection, perspective</p> <p>Related concepts: interpretation, communication, beliefs</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The structure of a narrative ➤ Similarities and differences between stories ➤ The messages that stories contain <p>Languages, PE, Music, Visual Arts</p>	<p>Central Idea: 3 Understanding the properties of air allows people to make practical applications.</p> <p>Key concepts: form, function, causation</p> <p>Related concepts: forces, energy</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The evidence of the existence of air ➤ The relationship between air, light and sound ➤ What air can do and how we can use it <p>PE</p>	<p>Central Idea: 4 Organizations exist to help people plan their leisure time.</p> <p>Key concepts: form, function, perspective</p> <p>Related concepts: relaxation, choices</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ How people spend their leisure time ➤ How organizations help people plan their leisure time ➤ Factors that influence how leisure time is spent <p>PE</p>	<p>Central Idea: 2 The lifecycles within Earth's living communities are affected by the balance of nature.</p> <p>Key concepts: form, change, connection</p> <p>Related concepts: adaptation, balance</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Different life-cycles ➤ How living things adapt to their environments ➤ Interconnectedness within living communities <p>Visual Arts</p>

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<p>Central Idea: 1 Making balanced choices about daily routines enables us to have a healthy lifestyle.</p> <p>Key concepts: function, causation, reflection</p> <p>Related concepts: balance, well-being</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Daily habits and routines ➤ Lifestyle choices ➤ Consequences of choices <p>PE</p>	<p>Central Idea: 5 Through their contributions to society significant individuals have had an impact on our lives.</p> <p>Key concepts: connection, perspective</p> <p>Related concepts: impact, values, historical context</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ What makes people significant ➤ The types of contributions individuals have made to society ➤ The impact of significant people on our lives <p>Visual Arts</p>	<p>Central Idea: 6 People can take on many different creative roles when expressing themselves through performance.</p> <p>Key concepts: form, connection, responsibility</p> <p>Related concepts: creativity, cooperation, expression</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Different types of performances ➤ Roles of people involved in the production of a performance ➤ The ways in which people creatively express themselves <p>Visual Arts, Music</p>	<p>Central Idea: 4 Weather changes as a result of environmental factors and human influences.</p> <p>Key concepts: form, function, causation</p> <p>Related concepts: predictions, systems, measurement</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Weather phenomena and their causes ➤ Predicting and measuring weather ➤ How our actions change weather <p>Languages</p>	<p>Central Idea: 3 The choices we make as consumers are affected by the marketing of goods and services.</p> <p>Key concepts: form, connection, perspective</p> <p>Related concepts: systems, supply and demand</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The needs and wants of consumers ➤ Marketing and target groups ➤ How advertising effects consumer choices 	<p>Central Idea: 2 Rainforests provide finite resources and the choices people make about how to use them affect living things.</p> <p>Key concepts: connection, responsibility, perspective</p> <p>Related concepts: conservation, resources, biodiversity</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Resources that originate in rainforests ➤ Consequences of using rainforest resources ➤ Personal choices that can sustain rainforests <p>Visual Arts, Music</p>

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<p>Central Idea: 3 Beliefs are part of people's identity and can affect how they act.</p> <p>Key concepts: form, connection, reflection</p> <p>Related concepts: diversity, identity, traditions</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ What we believe ➤ How our actions reflect beliefs ➤ The impact of beliefs and traditions on society <p>Visual Arts</p>	<p>Central Idea: 6 People explore for many reasons and these journeys have an impact on society.</p> <p>Key concepts: connection, perspective</p> <p>Related concepts: discovery, consequences</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Some significant explores and their journeys ➤ The reasons why people explore ➤ The impact of explorations 	<p>Central Idea: 2 People have developed ways and systems in order to communicate with others.</p> <p>Key concepts: function, change</p> <p>Related concepts: communication, systems</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Different forms of communication ➤ How communication has changed overtime ➤ What makes effective communication <p>Languages, Music, PE</p>	<p>Central Idea: 5 Science and technology help us to understand the structure of the solar system and galaxies.</p> <p>Key concepts: form, connection</p> <p>Related concepts: interconnectedness, technology</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The structure of the solar system ➤ The exploration of space, past, present and future ➤ The use of space technology and its impact on our daily lives <p>Visual Arts</p>	<p>Central Idea: 4 People can prepare for and respond to natural disasters in a variety of ways.</p> <p>Key concepts: causation, responsibility</p> <p>Related concepts: organization</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The causes and effect of natural disasters ➤ How people prepare for natural disasters ➤ Local and international responses to natural disasters 	<p>Central Idea: 1 Water is essential to life, and is a limited resource for many people.</p> <p>Key concepts: change, connection, responsibility</p> <p>Related concepts: conservation, equity, processes</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Sources of water and how water is used ➤ What happens to water after we have used it ➤ Distribution and availability of usable water

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<p>Central Idea: 1 We learn in different ways and this makes us unique.</p> <p>Key concepts: function, connection, reflection</p> <p>Related concepts: diversity, learning</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Different kinds of learning styles ➤ Our own personal learning styles ➤ How an understanding of our preferred learning styles can help us reach our potential 	<p>Central Idea: 3 An understanding of our home and host country helps develop our global perspectives.</p> <p>Key concepts: connection , perspective</p> <p>Related concepts: history, tradition</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ History of home and host countries ➤ Geographic, economic and cultural connections ➤ Inter-cultural understanding and respect <p>PE</p>	<p>Central Idea: 2 People can express themselves through the arts.</p> <p>Key concepts: perspective, reflection</p> <p>Related concepts: creativity, media</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ How meaning and emotions can be expressed through the arts ➤ How artists are inspired by their feelings ➤ Personal responses to creative works <p>Languages, PE, Music, Visual Arts</p>	<p>Central Idea: 6 Deliberately changing matter can produce outcomes that humans can utilise.</p> <p>Key concepts: form, change, causation</p> <p>Related concepts: measurement, transformation, prediction</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The nature of chemical and physical changes ➤ Practical applications and implications of change in materials 	<p>Central Idea: 4 Societies have governing systems to manage people and resources.</p> <p>Key concepts: function, connection, responsibility</p> <p>Related concepts: systems</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Election processes ➤ Laws and societies ➤ Governments and leaders ➤ Economic systems 	<p>Central Idea: 5 Biodiversity relies on maintaining the balance of organisms within systems.</p> <p>Key concepts: connection, causation, responsibility</p> <p>Related concepts: conservation, interconnectedness</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The interconnectedness of organisms, ecosystems, biomes and environments ➤ How humans interact with the environment

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<p>Central Idea: 4 Individuals face different changes as they grow and develop.</p> <p>Key concepts: change, responsibility, reflection</p> <p>Related concepts: belonging, resilience, identity</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ The changes that occur during puberty ➤ Our responsibility for accepting and dealing with change <p>PE</p>	<p>Central Idea: 1 Past civilizations have shaped present day systems and technology.</p> <p>Key concepts: function, change, perspective</p> <p>Related concepts: technology, discovery, prediction</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Aspects of past civilizations that exist in modern day life ➤ How systems and technology develop over time ➤ Implications for the development of technologies and systems in the future <p>Languages, Visual Arts</p>	<p>EXHIBITION</p>	<p>Central Idea: 2 Our use of energy has an impact on our lives and the environment.</p> <p>Key concepts: form, change, responsibility</p> <p>Related concepts: conservation, transformation</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Forms of energy ➤ The storage and transformation of energy ➤ Conservation of energy ➤ Renewable and sustainable energy 	<p>Central Idea: 6 Systems are created to meet the needs of communities.</p> <p>Key concepts: connection, causation, responsibility</p> <p>Related concepts: networks, organization</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Systems in our community ➤ Why systems are created ➤ Our roles and responsibilities in different systems <p>PE</p>	<p>Central Idea: 3 Finding peaceful solutions to conflict can lead to a better quality of life.</p> <p>Key concepts: causation, perspective, responsibility</p> <p>Related concepts: conflict, diversity, justice</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> ➤ Causes of conflict ➤ Conflict resolution and management ➤ Living and working together peacefully <p>Music</p>