

**1617 Naseem International School Program of Inquiry**

	<b>Who we are</b>	<b>Where we are in place and time</b>	<b>How we express ourselves</b>	<b>How the world works</b>	<b>How we organize ourselves</b>	<b>Sharing the planet</b>
<b>Transdisciplinary Themes</b>	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.	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.	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.	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.	An inquiry in 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.	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.
<b>Nursery</b>	<b>How each of our senses helps us to interact with our environment.</b> <ul style="list-style-type: none"> <li>• What senses are</li> <li>• How we use senses to learn more about ourselves and others</li> <li>• How we use senses to learn about our environment and the world</li> <li>• How we take care of our senses</li> </ul>	<b>Design and materials can affect the stability of a structure.</b> <ul style="list-style-type: none"> <li>• What makes a stable structure</li> <li>• How the environment can influence the design of a structure</li> <li>• Materials to be considered when building a stable structure</li> </ul>	<b>The environment affects how you play.</b> <ul style="list-style-type: none"> <li>• Different environments in which you can play</li> <li>• What is play</li> <li>• How toys work</li> <li>• How people play around the world</li> </ul>	<b>Our activity is usually connected to the Earth's natural cycles.</b> <ul style="list-style-type: none"> <li>• Night and day cycles (dark and light)</li> <li>• Seasonal changes</li> <li>• Health and safety as related to climate and seasonal changes</li> </ul>	<b>Communities function more effectively when rules and routines are shared with all members.</b> <ul style="list-style-type: none"> <li>• Various communities we belong to</li> <li>• Purpose of rules and routines</li> <li>• Reaching agreement</li> </ul>	<b>Living things have certain requirements in order to grow and stay healthy.</b> <ul style="list-style-type: none"> <li>• Characteristics of living things</li> <li>• Our needs and needs of other living things</li> <li>• Our responsibility for the well-being of other living things</li> </ul>
<b>Kindergarten 1</b>	<b>I am part of a family.</b> <ul style="list-style-type: none"> <li>• My role in the family</li> <li>• Relationships with others within the family</li> <li>• Social behaviors in the family</li> </ul>	<b>Journeys create change and can lead to new opportunities.</b> <ul style="list-style-type: none"> <li>• Types of journeys people make</li> <li>• Choices and decisions involved in making a journey</li> <li>• Changes experienced because of a journey</li> </ul>	<b>Stories provoke us, and give us pleasure.</b> <ul style="list-style-type: none"> <li>• What a story is</li> <li>• What stories convey</li> <li>• How stories are created and shared</li> <li>• Feelings and emotions that stories cause</li> </ul>	<b>Changes in state, matter and form can be measured and described.</b> <ul style="list-style-type: none"> <li>• The nature of change as it affects a variety of materials</li> <li>• Different ways to measure change</li> <li>• Description of change in states of matter</li> </ul>	<b>Transportation systems are directly related to the needs of a community.</b> <ul style="list-style-type: none"> <li>• Specific purposes of different transportation systems</li> <li>• Factors that affect the kinds of systems that can be developed</li> <li>• Relationships between transportation systems and the environment</li> </ul>	<b>Plants are a life-sustaining resource for us and for other living things</b> <ul style="list-style-type: none"> <li>• What plants provide for us and for other living things</li> <li>• The structure of a plant</li> <li>• Caring for plant life</li> </ul>

<b>Kindergarten 2</b>	<p><b>Personal choices affect health and safety.</b></p> <ul style="list-style-type: none"> <li>•Causes and prevention of sickness and injuries</li> <li>•Methods to prevent germs from spreading</li> <li>•How we keep ourselves safe</li> <li>•What good health means to us</li> </ul>	<p><b>Family histories provide an insight into culture and personal identity</b></p> <ul style="list-style-type: none"> <li>•Similarities and differences between generations within a family</li> <li>•Artifacts/heirlooms or rituals that have meaning in a family</li> <li>•Family ancestry</li> </ul>	<p><b>Nursery rhymes, poems and folk tales reflect people’s cultures.</b></p> <ul style="list-style-type: none"> <li>•What nursery rhymes, poems and folk tales teach us</li> <li>•Comparing nursery rhymes, poems and folk tales from around the world</li> <li>•How nursery rhymes, poems and folk tales reflect a particular culture</li> <li>•How nursery rhymes, poems and folk tales are similar and different from our own cultures</li> </ul>	<p><b>All living things go through a process of change.</b></p> <ul style="list-style-type: none"> <li>• Life cycles</li> <li>• How living things change over their life time</li> <li>• Development stages of various living things</li> </ul>	<p><b>Communities provide interconnected services designed to meet people’s needs.</b></p> <ul style="list-style-type: none"> <li>• Reasons people live in the local community</li> <li>• Services needed to support a community</li> <li>• Planning services for a community</li> </ul>	<p><b>Humans have a responsibility to be guardians of their environment</b></p> <ul style="list-style-type: none"> <li>•Responsible behavior concerning our immediate, local and global environment</li> <li>•Actions that benefit or harm environments.</li> </ul>
<b>Grade 1</b>	<p><b>Homes reflect personal identity and local culture.</b></p> <ul style="list-style-type: none"> <li>• The concept of home</li> <li>• Different types of homes</li> <li>• Circumstances that determine where people live</li> </ul>	<p><b>Communities are enriched by their members and the different perspectives they bring.</b></p> <ul style="list-style-type: none"> <li>•What a community is</li> <li>•People within a community</li> <li>•The personal stories of community members</li> <li>•Responsibility toward contributing to a community</li> </ul>	<p><b>Imagination is a powerful tool for extending our ability to think, create and express ourselves.</b></p> <ul style="list-style-type: none"> <li>• How we demonstrate and enjoy our imagination</li> <li>• How our imagination helps us to consider other perspectives</li> <li>• How imagination helps us to solve problems</li> <li>• The value of imagination</li> </ul>	<p><b>The sun is the primary source for providing light heat and color.</b></p> <ul style="list-style-type: none"> <li>• Natural and manmade sources of light.</li> <li>• Transmission of light</li> <li>• Light and shadow</li> <li>• The color spectrum</li> </ul>	<p><b>In a workplace people share responsibility towards a common purpose.</b></p> <ul style="list-style-type: none"> <li>• Purpose of a workplace</li> <li>• Interconnectedness of people in a workplace</li> <li>• Importance of shared vision of common purpose</li> </ul>	<p><b>All living things depend on each other in various ways.</b></p> <ul style="list-style-type: none"> <li>• What living things have in common</li> <li>• Various ways living things are connected</li> <li>• What impact living things and their connection</li> <li>• Our responsibility towards other living things</li> </ul>
<b>Grade 2</b>	<p><b>Relationships are enhanced by learning about other people’s perspectives and communicating our own.</b></p> <ul style="list-style-type: none"> <li>•Social interactions</li> <li>•Acknowledging others</li> <li>•Managing and resolving conflict</li> <li>•Attitude and conflict resolution</li> </ul>	<p><b>Exploration leads to discovery and develops new understandings.</b></p> <ul style="list-style-type: none"> <li>•Reasons for exploration (historical and personal)</li> <li>•Feelings and attitudes associated with exploration</li> <li>•What we learn through exploration</li> <li>•Methods of navigation and it changed over time</li> </ul>	<p><b>Through the arts people use different forms of expression to convey their uniqueness as human beings.</b></p> <ul style="list-style-type: none"> <li>• The diverse ways in which people express themselves</li> <li>• How everyone can express their uniqueness through the arts</li> <li>• The role of art in culture and society</li> </ul>	<p><b>Understanding the properties of air allows people to make practical applications.</b></p> <ul style="list-style-type: none"> <li>• The evidence of existence of air</li> <li>• What air can do and how we use it</li> <li>• The relationship between air, light and sound</li> <li>• The properties of air</li> </ul>	<p><b>Systems need to be in place to maintain organization in communities.</b></p> <ul style="list-style-type: none"> <li>•The concept of organization</li> <li>•Different systems of organization that we use personally</li> <li>•Different systems of organization in our community</li> <li>•Collection, storage and use of information for organization</li> </ul>	<p><b>Human action can preserve or endanger animal life.</b></p> <ul style="list-style-type: none"> <li>•How animals survive</li> <li>•Animal habitats</li> <li>•Our responsibility towards keeping animals from extinction</li> </ul>

Grade 3	<p><b>Understanding the connection between nutrition and diet could lead to a healthy lifestyle.</b></p> <ul style="list-style-type: none"> <li>• Why food is important</li> <li>• Making informed choices about food and reading and understanding labels</li> <li>• Understanding the importance of a balanced diet (Food pyramid)</li> <li>• Comparing healthy food preparation in other cultures</li> </ul>	<p><b>Human migration is a response to challenges, risks and opportunities.</b></p> <ul style="list-style-type: none"> <li>• The reasons why people migrate</li> <li>• Migration throughout history</li> <li>• Effects of migration on communities, cultures and individuals</li> </ul>	<p><b>There are many forms of communication in the modern world.</b></p> <ul style="list-style-type: none"> <li>•The different forms and ways of communication</li> <li>•The impact of these forms of communication</li> <li>•Reasons for the development of communication systems</li> <li>•Responsible use of communication systems</li> </ul>	<p><b>Human survival is connected to understanding the continual changing nature of the earth.</b></p> <ul style="list-style-type: none"> <li>•How different components of the earth are interrelated</li> <li>•How the earth has changed and is continuing to change</li> <li>•Why the earth changes</li> <li>•Human response to the earth's changes</li> </ul>	<p><b>People use a variety of skills and strategies that contribute to their role in a community of learners.</b></p> <ul style="list-style-type: none"> <li>•Being part of a community of learners</li> <li>•Skills, strategies and attitudes</li> <li>•Making contributions to a community</li> </ul>	<p><b>Water is essential to life, and is a limited resource for many people.</b></p> <ul style="list-style-type: none"> <li>•Sources of water and how water is used</li> <li>• What happens to water after we have used it</li> <li>•Distribution and availability of usable water</li> <li>•Responsibilities regarding water</li> <li>•Properties of water</li> </ul>
Grade 4	<p><b>The human body is made up of systems that have a function and a structure.</b></p> <ul style="list-style-type: none"> <li>•How the human body systems work</li> <li>•Practices required to keep them healthy</li> <li>•Global consequences of poor diet</li> </ul>	<p><b>The development of global perspectives is supported through understanding our place in the world in relation to others.</b></p> <ul style="list-style-type: none"> <li>•How we represent place</li> <li>•Representations of place through time</li> <li>•The relationship of our country to other parts of the world</li> </ul>	<p><b>Choices of role models reflect the characteristics that societies and individuals value.</b></p> <ul style="list-style-type: none"> <li>•Role models and why we value them</li> <li>•Why we should develop our own talents and interests</li> <li>•How personal strengths can be applied to help others</li> </ul>	<p><b>Energy can be converted from one form to another and stored in various ways.</b></p> <ul style="list-style-type: none"> <li>• Forms of energy</li> <li>• The storage and transformation of energy</li> <li>• Conservation of energy</li> </ul>	<p><b>Currencies around the world are used for buying and selling goods and services.</b></p> <ul style="list-style-type: none"> <li>•How businesses are run</li> <li>•The responsibility of those with money</li> <li>•Development of means to pay for goods</li> </ul>	<p><b>Biodiversity relies on maintaining the interdependent balance of organisms within systems</b></p> <ul style="list-style-type: none"> <li>• Interdependence with ecosystems, biomes and environments</li> <li>• Ways in which organisms are interconnected in nature</li> <li>• How human interaction with the environment can affect the balance of systems</li> </ul>
Grade 5	<p><b>Complex factors contribute to the process of making decisions that have implications for ourselves and others.</b></p> <ul style="list-style-type: none"> <li>•Understanding the importance of goal setting</li> <li>•Factors that influence our decisions</li> <li>•Decisions-making processes for groups and individuals</li> <li>•Impact or consequences that decision can have</li> </ul>	<p><b>Past civilizations shape present day systems and technologies.</b></p> <ul style="list-style-type: none"> <li>• Aspects of past civilizations that have survived</li> <li>• Reasons these systems and technologies developed</li> <li>• Why modern societies continue to use adaptations of these systems and technologies</li> <li>• Implications for the future</li> </ul>	<p><b>The way we understand stories is shaped by the perspective from which they are told.</b></p> <ul style="list-style-type: none"> <li>• The elements of a story</li> <li>• Ways a story can be told</li> <li>• Different ways the same story can be interpreted</li> <li>• How a storyteller's perspective might change our understanding of the story</li> </ul>	<p><b>The fact that materials can undergo permanent or temporary changes poses challenges and provides benefits for society and the environment.</b></p> <ul style="list-style-type: none"> <li>•Nature of chemical and physical changes</li> <li>•Practical applications and implications of change in materials</li> <li>•Ethical dilemmas associated with manufacturing processes and by-products</li> </ul>	<p><b>Technology impacts on the world of work and leisure.</b></p> <ul style="list-style-type: none"> <li>•Technology and inventions of the home, workplace and leisure activities</li> <li>•Circumstances that lead to the development of important inventions and their impact</li> <li>•How technology supports/impacts sustainability</li> </ul>	<p><b>The Exhibition</b></p>