



NES International School Mumbai -IB World School

Programme of inquiry (2015-16) PYP Section

Grade – Early Years 2

<u>Transdisciplinary theme</u>	<u>Who we are</u>	<u>Where we are in place and time</u>	<u>How we express ourselves</u>	<u>How the world works</u>	<u>How we organize ourselves</u>	<u>Sharing the planet</u>
Central idea	People have similarities and differences.		We can express our ideas in and through rhymes.		Community helpers offer services to satisfy needs of people.	Animals and people interact in different ways and in different contexts.
Lines of inquiry	<ul style="list-style-type: none"> Who am I Body parts and their functions What makes me unique 		<ul style="list-style-type: none"> Comparing rhymes from different cultures Rhymes in different languages Interpreting traditional rhymes 		<ul style="list-style-type: none"> Different community helpers Different services Our responsibility towards them 	<ul style="list-style-type: none"> The different roles animals play in people's lives Sustainability of particular animal for specific functions Our responsibility for the well being of animals

Grade- Reception

<u>Transdisciplinary theme</u>	<u>Who we are</u>	<u>Where we are in place and time</u>	<u>How we express ourselves</u>	<u>How the world works</u>	<u>How we organize ourselves</u>	<u>Sharing the planet</u>
Central idea	Families help build life-long relationships.	Space and facilities in and around buildings determine how people use them.	Ideas and experiences can be expressed through stories.			Plants sustain life on earth and play a role in our lives.
Lines of inquiry	<ul style="list-style-type: none"> Family members and their roles Family values How we can develop healthy relationships 	<ul style="list-style-type: none"> Characteristics and arrangement of physical spaces How people use different spaces Our responsibilities in sharing spaces with others 	<ul style="list-style-type: none"> What a story is and its elements How stories change the way we think Feelings and emotions that stories evoke 			<ul style="list-style-type: none"> Caring for plants Products we derive from plants How plants contribute to life on earth

Grade –Foundation

Transdisciplinary theme	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
Central idea	Our heart, lungs, and muscles work together when we exercise.		Language connects us with others.	All living things go through a process of change.	A class is a community.	Rainforests are unique habitats and valuable to our society.
Lines of inquiry	<ul style="list-style-type: none"> The muscles at work during exercise The changes in body systems during exercise Different kinds and levels of exercises 		<ul style="list-style-type: none"> Communicating ideas and feelings Words, patterns and sentences Using language to interact with others 	<ul style="list-style-type: none"> Patterns of growth How living things change over their life-time Factors that can influence life cycles 	<ul style="list-style-type: none"> My friends and I Our roles in the class room Essential agreements 	<ul style="list-style-type: none"> Different types of rainforests and form of life on them How humans impact rainforest environment Protection of rain forests

Grade 1

Transdisciplinary theme	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
Central idea	The choices people make affect their health and well being.	People and places have histories.	Patterns help us make sense of the world.	Air is matter, has properties and can be used to do work.	Many foods go through different processes before being eaten.	Water is essential and is a limited resource for many people.
Lines of inquiry	<ul style="list-style-type: none"> What it means to have a balanced lifestyle How the choices we make affect our life Different sources of information that helps us make choices 	<ul style="list-style-type: none"> How places and people's lifestyles have changed over time Significance of artefacts and monuments. Connection between who I am with where I live 	<ul style="list-style-type: none"> What patterns are and where patterns are found How patterns are used How can patterns be made 	<ul style="list-style-type: none"> Composition of air Negative and positive uses of air How air gets polluted 	<ul style="list-style-type: none"> Foods that are commonly consumed Food sources Stages that food go through and the jobs involved in the process 	<ul style="list-style-type: none"> Uses and sources of water <ul style="list-style-type: none"> What happens to water after we use it <ul style="list-style-type: none"> Our responsibilities in relation to water

Grade 2

Transdisciplinary theme	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
Central idea	The thoughts, beliefs and decisions people make influence who they are and what they want to become.	People build homes in different places and different ways.	People can express themselves in different forms of communication.	Changes in the weather impact daily life.	Technology impacts on the world of work and leisure.	Humans make choices that impact animal survival.
Lines of inquiry	<ul style="list-style-type: none"> • Our thoughts and beliefs • Choices we make because of these beliefs. • The consequences of our choices 	<ul style="list-style-type: none"> • Housing and its definition • Types of houses • How houses differ from one region to another • Materials used in construction of houses 	<ul style="list-style-type: none"> • The need to communicate • Different means of communication • Braille and sign language 	<ul style="list-style-type: none"> • Weather patterns • Methods for predicting weather • Effects of weather on daily life 	<ul style="list-style-type: none"> • Technology and inventions of the home, work place and leisure activities. • Important inventions and their impact. • Technology as a helping aid to solve problems. 	<ul style="list-style-type: none"> • Animal needs and how these needs are met. • Human choices that affect animal survival. • Human responsibility towards animals.

Grade 3

Transdisciplinary theme	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
Central idea	Lifestyle choices influence how well our body systems function.	Exploration leads to discovery and develops new understandings.	Artists are driven by ideas, feelings and experiences.	All simple machines transfer force, which makes life easier.	People create organizations to solve problems and support human endeavors and enterprise.	Children worldwide face a variety of challenges and risks.
Lines of inquiry	<ul style="list-style-type: none"> • The systems in our body • How the parts of a system work together • Choices that impact healthy bodies 	<ul style="list-style-type: none"> • Reasons for explorations (personal and historical) • Feelings and attitudes associated with exploration • What we learn through exploration 	<ul style="list-style-type: none"> • Different forms of artistic expressions • Our responses to the expressions • The creative process 	<ul style="list-style-type: none"> • Types of simple machines • How simple machines are used in everyday life • How simple machines change our life 	<ul style="list-style-type: none"> • Purpose of organizations • Why people join organizations • Strategies for problem solving within an organization <ul style="list-style-type: none"> • what makes an organization successful 	<ul style="list-style-type: none"> • Challenges and risks that children face • How children respond to challenges and risks • Ways in which individuals, organizations and nations work to protect children from risk

Grade 4

Transdisciplinary theme	<u>Who we are</u>	<u>Where we are in place and time</u>	<u>How we express ourselves</u>	<u>How the world works</u>	<u>How we organize ourselves</u>	<u>Sharing the planet</u>
Central idea	Understanding different ways of learning enables people to respond to their own learning needs.	Maps allow people to understand their place in the world.	Authors use common themes to express feelings and cultural beliefs.	Energy may be transformed, converted and used to support human progress.	Government systems influence the lives of citizens.	Biodiversity relies on maintaining the interdependent balance of organisms within systems.
Lines of inquiry	<ul style="list-style-type: none"> • Learning and thinking styles • How we determine our learning needs • How to be a better learner 	<ul style="list-style-type: none"> • How maps work • What makes a good map • How our understanding of the world has changed as a result of maps 	<ul style="list-style-type: none"> • Plots, settings, and characters presented by different authors • Different versions of the same stories that reflect different cultures • Analyzing common themes and common structural features of several traditional tales 	<ul style="list-style-type: none"> • Different forms of energy sources • How is energy transformed • Conservation of energy 	<ul style="list-style-type: none"> • Government systems and their impact on citizens • How decision-making practices reflect human rights • The rights and responsibilities of citizenship 	<ul style="list-style-type: none"> • Interdependence within ecosystems, biomes and environments • Ways in which organisms are interconnected in nature • How human interaction with the environment can affect the balance of systems

Grade 5

Transdisciplinary theme	<u>Who we are</u>	<u>Where we are in place and time</u>	<u>How we express ourselves</u>	<u>How the world works</u>	<u>How we organize ourselves</u>	<u>Sharing the planet</u>
Central idea	Change impacts various aspects of people's lives.	Topography affects people's lifestyles and culture.	Mythology reflects people's beliefs and values.	The universe consists of celestial bodies that are interdependent.	New digital media changes the way in which people access information and connect to each other.	The accessibility of equal opportunities affects peace and conflict resolution.
Lines of inquiry	<ul style="list-style-type: none"> • Puberty • Transition to middle school • Dealing with changes 	<ul style="list-style-type: none"> • Asia's topography • How Asia's topography affects culture, food, dance, religion and art • The interconnectedness between cultures 	<ul style="list-style-type: none"> • Mythologies from around the world • Their origins and various interpretations • My personal interpretation of a mythology 	<ul style="list-style-type: none"> • Theories of universe's origins • What the universe is like and how the system works • Space exploration 	<ul style="list-style-type: none"> • Digital media • How digital media is used or organized • Our responsibility in our virtual environment 	