

PYP Transdisciplinary Themes	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	
Grade Level							
LKG 4-5	<p>Central Ideas: Self-awareness helps develop our identity.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Our physical characteristics. Our five senses. Realize the similarities and differences between me and others. <p>Key Concepts: Form, Function, Communication.</p> <p>Related concepts: Properties/structure, Similarities/ differences, Communication.</p> <p>Approaches to learning: Research skills, Communication skills</p> <p>IB Learner Profile: Inquirers, caring, Open-minded.</p>	<p>Central Ideas: The environment we live in affects our lives. .</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Types of houses around the world. The reasons behind the differences of houses around the world. Similarities and differences of houses around the world. <p>Key Concepts: Form, Causation, Perspective.</p> <p>Related concepts: Properties, Consequences, Opinion.</p> <p>Approaches to learning: Research skills</p> <p>IB Learner Profile: Communicators, Open-Minded, Thinkers, Risk Takers.</p>	<p>Central Ideas: We use different ways in expressing our feelings and thoughts.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The concept of feelings. The ways in which we express our feelings and thoughts. Reasons behind our different feelings. <p>Key Concepts: Form, Perspective, Causation.</p> <p>Related concepts: Properties, Opinion, Consequences, Impact.</p> <p>Approaches to Learning: Communication skills, Thinking skills</p> <p>IB Learner Profile: Balanced, Reflective, Risk-takers.</p>	<p>Central Ideas: Living things undergo a process of change during the Earth's natural cycles</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The concept of living things. The natural cycles, such as; day and night and the four seasons. The changes that living things undergo during the Earth's natural cycles. <p>Key Concepts: Form, Form, Change</p> <p>Related concepts: Adaptation, Pattern, transformation, Similarities, differences.</p> <p>Approaches to Learnings: Thinking skills, Research skills, Communication skills</p> <p>IB Learner Profile: Knowledgeable, Reflective.</p>	<p>Central Ideas: Communities function more efficiently when their individuals share roles and agreements.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The different communities that we belong to. The role and responsibility of individuals in our different communities. The resources that help us organize our lives. <p>Key Concepts: Form, Responsibility, Connection</p> <p>Related concepts: Properties, Structure, Systems, Relations, Interdependence, initiative.</p> <p>Approaches to Learning: Communication skills, Social skills, Self-management skills</p> <p>IB Learner Profile: Communicators, Thinkers, Reflective, Principled .</p>	<p>Central Ideas: Our choices as human beings have an impact on our planet.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> natural resources and its uses. changes that occur in natural resources. Positive and negative practices towards our planet. <p>Key Concepts: Function, change, Responsibility.</p> <p>Related concepts: Transformation, Role, Values, initiative, Behavior.</p> <p>Approaches to Learning: Self-management skills, Thinking skills, Research skills.</p> <p>IB Learner Profile: Thinkers, Inquirers, Caring, Balanced.</p>	
UKG 5-6	<p>Central Ideas: Friendship affects our life and needs care in order to develop.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Friends around us. The reason for having friends. The different ways that help us maintain a healthy friendship. <p>Key Concepts: Form, Causation, Connection.</p> <p>Related concepts: Properties, Role, Consequences, interdependence.</p> <p>Approaches to learning: Social skills, Communication skills, Self-management skills</p> <p>IB Learner Profile: Communicators, Reflective, Principled, Inquirers.</p>	<p>Central Ideas: The evolution of places in form over time, helps us understand our location relative to others in this world.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The change of places over time. The characteristics and nature of historical places. The location and importance of Palestine in the Arab world. <p>Key Concepts: Change, Form, Connection.</p> <p>Related concepts: Similarities, Differences, Transformation, Sequences, Properties, Relationships.</p> <p>Approaches to learning: Thinking skills, Research skills.</p> <p>IB Learner Profile: Inquirers, Thinkers, Reflective, Caring.</p>	<p>Central Ideas: Celebrations express peoples' customs and values.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Types of celebrations.. Celebrations around the world. Similarities and differences between celebrations. <p>Key Concepts: Form, Connection, Perspective.</p> <p>Related concepts: Similarities, Differences, Relationships, Beliefs.</p> <p>Approaches to learning: Thinking skills, Communication skills.</p> <p>IB Learner Profile: Open-minded, Knowledgeable, Caring.</p>	<p>Central Ideas: Exploring how things work and the different phenomena help us understand the world around us.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The nature of phenomena around us. Causes of natural and unnatural phenomena. The characteristics of the phenomena around us. <p>Key Concepts: Change, Causation, Connection.</p> <p>Related concepts: Adaptation, Cycles, Consequences, Stability.</p> <p>Approaches to Learning: Thinking skills, Communication skills, Research skills</p> <p>IB Learner Profile: Knowledgeable, Inquirers, Caring.</p>	<p>Central Ideas: Communities make an effort to establish transportation systems that meet their needs.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The types of transportation and their development over time. The characteristics of transportation systems. Decisions regarding the use of transportation. <p>Key Concepts: Change, Causation, Connection.</p> <p>Related concepts: Role, consequences, systems.</p> <p>Approaches to Learning: Research skills, Self-management skills, Thinking skills</p> <p>IB Learner Profile: Reflective, Principled, Thinkers</p>	<p>Central Ideas: The requirements of living things for survival and growth..</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The life cycle of living things. The needs of living things. Our responsibility toward the wellbeing of living things. <p>Key Concepts: Change, Function, Responsibility.</p> <p>Related concepts: Growth, Initiative, Opinion.</p> <p>Approaches to Learning: Research skills, Self-management skills, Thinking skills.</p> <p>IB Learner Profile: Risk takers, Open-minded, Thinkers.</p>	
First Grade 6-7	<p>Central Ideas: Making balanced choices about routine things enables us to adopt a healthy lifestyle.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Our lives' daily routine habits. The impact of our choices on our daily life. The consequences of these choices on our daily life. <p>Key Concepts: Form, Connection, Responsibility.</p> <p>Related concepts: Pattern, interdependence, Values.</p> <p>Approaches to learning: Self-management skills, Thinking skills, Research skills.</p> <p>IB Learner Profile: Reflective, Balanced, Principled.</p>	<p>Central Ideas: knowledge of the previous generations helps us understand the relationship between the past and the present.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Ways of discovering the past. The similarities and differences between the generations in a family. Changes in some aspects of life. <p>Key Concepts: Connection, Perspective, Change.</p> <p>Related concepts: Relationships, Opinion, Transformation.</p> <p>Approaches to learning: Social skills, Communication skills, Research skills</p> <p>IB Learner Profile: Thinkers, Inquirers, Knowledgeable.</p>	<p>Central Ideas: We use different ways to communicate with others in order to express our feelings and thoughts.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Ways of communication with others. The role of language in communicating with others to express our feelings and thoughts. The importance of language in communicating with others to express our feelings and thoughts. <p>Key Concepts: Form, Function, Connection.</p> <p>Related concepts: Similarities, Differences, Communication, Role, Relationships.</p> <p>Approaches to learning: Thinking skills, Communication skills, Research skills.</p> <p>IB Learner Profile: Communicators, Open-minded, Reflective</p>	<p>Central Ideas: Individuals' understanding of forces and energy develops their ability in invention and creation.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The different forces and their uses. The effect of gravity on us. Understanding forces and energy helps inventors in inventing and creating. <p>Key Concepts: Form and Function, connection, Causation.</p> <p>Related concepts: Similarities, Differences, Systems, Properties, Behavior, Role, Impact.</p> <p>Approaches to Learning: Self-management skills, Research skills.</p> <p>IB Learner Profile: Thinkers, Inquirers, Caring.</p>	<p>Central Ideas: Living things live in different natural and social systems that help them adapt, survive and organize their relationships with others.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The social and natural systems in which living things live. The natural habitat and systems in which the animals live. My role and participation in decision making. <p>Key Concepts: Connection, Form, Responsibility, Perspective.</p> <p>Related concepts: properties, Similarities, Differences, Truth, Opinion, Systems, Relationships, Rights, Values, Justice.</p> <p>Approaches to Learning: Social skills, Communication skills.</p> <p>IB Learner Profile: Communicators, Principled, Caring.</p>	<p>Central Ideas: Daily human practices affect living things and the surrounding environment.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The different elements of the environment. The effect of humans on the living things in the surrounding environment. The balance and responsibility when dealing with living things. <p>Key Concepts: Form, Change, Responsibility</p> <p>Related concepts: Impact, Citizenship, Values, Initiative, Transformation, Adaptation, Growth, Similarities, Differences.</p> <p>Approaches to Learning: Research skills, Thinking skills.</p> <p>IB Learner Profile: Principled, Caring, Balanced, Knowledgeable.</p>	
Second Grade 7-8	<p>Central Ideas: The relationship of the individual with the surrounding community helps in discovering the importance of role in the community and the individual's need for others.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The relationships and different social interactions. The roles of individuals in different communities. The methods that help in maintaining good relationships with others. <p>Key Concepts: Form, Function, Connection.</p> <p>Related concepts: Systems, Relationships, Similarities, Differences, Communication, Role.</p> <p>Approaches to learning: Social skills, Communication skills</p> <p>IB Learner Profile: Communicators, Caring</p>	<p>Central Ideas: The evolution of places in form over time, helps us understand our location relative to others in this world.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The change of places over time. The characteristics and nature of historical places. The location and importance of Palestine in the Arab world. <p>Key Concepts: Change, Form, Connection.</p> <p>Related concepts: Similarities, Differences, Transformation, Sequences, Properties, Relationships.</p> <p>Approaches to learning: Thinking skills, Research skills.</p> <p>IB Learner Profile: Inquirers, Thinkers, Reflective, Caring.</p>	<p>Central Ideas: Expanding imagination develops creativity in producing various stories.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The elements, types and components of stories. A change of an event in the story, affects its structure and ending. Using imagination helps us become more creative and produce various stories. <p>Key Concepts: Form, Change, Function</p> <p>Related concepts: properties, Similarities, Differences, role, Sequences, Communication.</p> <p>Approaches to learning: Thinking skills, Communication skills</p> <p>IB Learner Profile: Open-Minded, Knowledgeable, Risk-takers</p>	<p>Central Ideas: Individuals' understanding of forces and energy develops their ability in invention and creation.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The different forces and their uses. The effect of gravity on us. Understanding forces and energy helps inventors in inventing and creating. <p>Key Concepts: Form and Function, connection, Causation.</p> <p>Related concepts: Similarities, Differences, Systems, Properties, Behavior, Role, Impact.</p> <p>Approaches to Learning: Self-management skills, Research skills.</p> <p>IB Learner Profile: Thinkers, Inquirers, Caring.</p>	<p>Central Ideas: Living things live in different natural and social systems that help them adapt, survive and organize their relationships with others.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The social and natural systems in which living things live. The natural habitat and systems in which the animals live. My role and participation in decision making. <p>Key Concepts: Connection, Form, Responsibility, Perspective.</p> <p>Related concepts: properties, Similarities, Differences, Truth, Opinion, Systems, Relationships, Rights, Values, Justice.</p> <p>Approaches to Learning: Social skills, Communication skills.</p> <p>IB Learner Profile: Communicators, Principled, Caring.</p>	<p>Central Ideas: Daily human practices affect living things and the surrounding environment.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The different elements of the environment. The effect of humans on the living things in the surrounding environment. The balance and responsibility when dealing with living things. <p>Key Concepts: Form, Change, Responsibility</p> <p>Related concepts: Impact, Citizenship, Values, Initiative, Transformation, Adaptation, Growth, Similarities, Differences.</p> <p>Approaches to Learning: Research skills, Thinking skills.</p> <p>IB Learner Profile: Principled, Caring, Balanced, Knowledgeable.</p>	
Third Grade 8-9	<p>Central Ideas: Similarities and differences distinguish us as humans and affect our lives.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Similarities and differences among individuals. Similarities and differences in the perspectives of individuals in tastes and interests. The effect of similarities and differences in our life. <p>Key Concepts: Form, Perspective, Responsibility</p> <p>Related concepts: Similarities, differences, Opinion, Rights.</p> <p>Approaches to learning: Research skills, Communication skills, Thinking skills, Self-management skills.</p> <p>IB Learner Profile: Caring, Open-minded, Risk-takers.</p>	<p>Central Ideas: The location of earth in the solar system gave it many advantages.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The nature of the solar systems and its components. The characteristics of the planets in the solar system. Humans' response to the natural phenomena. <p>Key Concepts: Form, Form, Change.</p> <p>Related concepts: Properties, Similarities, Differences, Relationships.</p> <p>Approaches to learning: Communication skills, Thinking skills, Research skills.</p> <p>IB Learner Profile: Inquirers, Thinkers, Knowledgeable.</p>	<p>Central Ideas: Humans can prepare messages in different ways or manipulate them to target specific audience.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The use of images, texts and music to affect the behavior of audiences. People's response to the messages. The critical assessment of the messages presented by the media. <p>Key Concepts: Function, Perspective, Perspective</p> <p>Related concepts: Communication, role, Opinion.</p> <p>Approaches to learning: Thinking skills, Communication skills</p> <p>IB Learner Profile: Reflective, Thinkers, Risk-takers.</p>	<p>Central Ideas: The response of living things to their surroundings allows them better continuity.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The concept of and types of habitats. The needs of living things for life and continued survival. The nature of relations between the living things in the ecosystem. <p>Key Concepts: Form, Function /change, Connection</p> <p>Related concepts: Properties, Behavior, Relationships.</p> <p>Approaches to learning: Research skills, Communication skills, Thinking skills</p> <p>IB Learner Profile: Thinkers, Balanced, Communicators.</p>	<p>Central Ideas: The signs and symbols are part of the systems created by humans to facilitate local and global communication.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The knowledge about the systems used in society. The modern digital media and our responsibility in using it. The effect of the technology on our life. <p>Key Concepts: Form, Responsibility, Causation.</p> <p>Related concepts: Properties, Values, Consequences.</p> <p>Approaches to learning: Social skills, Communication skills, Research skills</p> <p>IB Learner Profile: Knowledgeably, Principled, Risk-takers.</p>	<p>Central Ideas: Our knowledge about the natural resources on Earth helps us acknowledge the methods of making use of them.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The concept of natural resources. The importance of natural resources for life continuity. Our responsibility towards using natural resources efficiently. <p>Key Concepts: Form, Function, Responsibility</p> <p>Related concepts: Properties, Role, Initiative, Values.</p> <p>Approaches to learning: Communication skills, Thinking skills.</p> <p>IB Learner Profile: Balanced, Thinkers, Communicators.</p>	
Fourth Grade 9-10	<p>Central Ideas: Individuals' rights and responsibilities depend on the existence of different factors.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Basic human rights. The relationship between rights and responsibilities. The role of different organizations in applying these rights. <p>Key Concepts: Form, Connection, Responsibility.</p> <p>Related concepts: Structure, Relationships, Justice, Initiative, Synthesis.</p> <p>Approaches to learning: Thinking skills, Social skills, Self-management skills</p> <p>IB Learner Profile: Thinkers, Inquirers, Caring.</p>	<p>Central Ideas: Location affects the interaction of individuals within their societies and with others.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Our country's location to the world. Knowing the populated environments that individuals exist in. The effect of location on individuals' life. <p>Key Concepts: Form, Change, Function.</p> <p>Related concepts: Similarities, Differences, Adaptation, Behavior.</p> <p>Approaches to learning: Research skills, Self-management skills, Communication skills</p> <p>IB Learner Profile: Thinkers, Knowledgeable, Reflective, Open-minded.</p>	<p>Central Ideas: The ways that people express culture; reflect their identity and uniqueness.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Components of a culture. The effect of scientific development on culture. Individuals' responsibility to protect culture. <p>Key Concepts: Form, Change, Responsibility.</p> <p>Related concepts: Structure, Transformation, Initiative, Synthesis.</p> <p>Approaches to learning: Thinking skills, Self-management skills, Communication Skills.</p> <p>IB Learner Profile: Communicators, Open-minded, Principled</p>	<p>Central Ideas: Dietary patterns affect the health of the human body's systems.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Types of dietary patterns. Human body's systems and their function. The effect of food choices on human body's health. <p>Key Concepts: Form, Function, Perspective.</p> <p>Related concepts: Pattern, Systems, Beliefs, Opinion.</p> <p>Approaches to learning: Thinking skills, Research skills, Social skills.</p> <p>IB Learner Profile: Reflective, Caring, Risk-takers, Open-minded.</p>	<p>Central Ideas: Systems created by human affect his life and his learning endeavors.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The different systems and patterns used in organizing. The importance of systems in individuals' life. The systems used in the classification of living things. <p>Key Concepts: Form, Causation, Function</p> <p>Related concepts: Similarities, Differences, Consequences, Pattern, Systems.</p> <p>Approaches to learning: Research skills, Communication skills, Self-management skills.</p> <p>IB Learner Profile: Inquirers, Reflective, Principled.</p>	<p>Central Ideas: The human's exploitation of electricity contributes to support the scientific development of individuals.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Electricity and its uses. Electricity transformations meet the needs of individuals. Individuals' role in maintaining and sustaining electricity. <p>Key Concepts: Form, Causation, Responsibility</p> <p>Related concepts: Properties, Consequences, Justice, Initiative</p> <p>Approaches to learning: Self-management skills, Research skills, Social skills</p> <p>IB Learner Profile: Caring, Thinkers, Balanced</p>	
Fifth Grade 10-11	<p>Central Ideas: The changes that people undergo during the different stages of life affect the development of their own sense of self and others.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The human consists of physical, mental, and emotional aspects. Physical, social, emotional and intellectual changes that occur during the life of the individual. Our responsibility towards the changes that occur within our bodies. <p>Key Concepts: Function, Change, Responsibility.</p> <p>Related concepts: Structure, systems, growth.</p> <p>Approaches to learning: Social skills, Communication skills, Research skills.</p> <p>IB Learner Profile: Communicators, Caring.</p>	<p>Central Ideas: Using the artifacts of past civilizations to establish ties with societies of today.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Characteristics of civilizations and societies and their emergence factors. The processes used to collect, analyze, and verify evidence Links between civilizations and their effect on the future. Our responsibility towards power consumption. <p>Key Concepts: Causation, Change, Connection, Responsibility.</p> <p>Related concepts: Civilization, factors, energy, transformation.</p> <p>Approaches to learning: Research skills, Communication Skills, Social Skills</p> <p>IB Learner Profile: Knowledgeable, Open-minded, Principled, Balanced.</p>	<h1>The Exhibition</h1>		<p>Central Ideas: The natural materials may undergo changes that result in challenges and benefits to the society and the environment.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Matter characteristics (element, composite, and mixture) and its changes. Applications and practical implications of material change Moral dilemmas related to using materials on the environment. <p>Key Concepts: Form, Function, Change, Responsibility</p> <p>Related concepts: Transformation, Manufacturing, properties, composition, values.</p> <p>Approaches to learning: Social skills, Research skills, Thinking skills, Self-management skills.</p> <p>IB Learner Profile: Inquiries, Risk-takers, Principled.</p>	<p>Central Ideas: The economic activity depends on systems of production of goods, services, trade and consumption.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The basics of economic activity. (The role of supply and demand). The difference between goods and services. Our responsibility as consumers of goods and users of services. <p>Key Concepts: Function, Connection, Responsibility.</p> <p>Related concepts: Law of supply and demand, interdependence</p> <p>Approaches to learning: Social skills, Self-management skills, Thinking skills.</p> <p>IB Learner Profile: Principled, Balanced, Open-minded.</p>	<p>Central Ideas: The distribution of natural resources affects the ability of societies and individuals to obtain equal opportunities.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> The importance of natural resources in our lives. The relationship between natural resources and ways to control them. Our responsibility towards natural resources. <p>Key Concepts: Perspective, Connection, Responsibility.</p> <p>Related concepts: Resource, parity.</p> <p>Approaches to learning: Social skills, Thinking skills.</p> <p>IB Learner Profile: Thinkers, Reflective.</p>