









# EXCEL Academy PCS Programme of Inquiry (POI) SY24

Transdisciplinary Themes	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4
<p><b>Who We Are</b></p> <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><b>Central Idea:</b> Our choices define who we are as individuals and communities.</p> <p><b>Key Concepts:</b> Connection, Perspective</p> <p><b>Related Concepts:</b> geography, perception, discovery, community, interdependence , personal histories, diversity, Resources, culture, connection, beliefs , tradition, traditions</p> <p><b>Learner Profile Attributes:</b> Caring, Principled, Knowledgeable</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Students As Learners</li> <li>2. Members of our home &amp; school community</li> <li>3. Responsibilities of a citizen</li> </ol>	<p><b>Central Idea:</b> Cultures impact our daily lives.</p> <p><b>Key Concepts:</b> Connection, Perspective</p> <p><b>Related Concepts:</b> beliefs, community, culture,diversity, history, culture</p> <p><b>Learner Profile Attributes:</b> Caring, Communicators, Open-minded</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Investigating personal cultures</li> <li>2. Cultural similarities and differences</li> <li>3. The impact of change on life.</li> </ol>	<p><b>Central Idea:</b> Food is consumed for various purposes.</p> <p><b>Key Concepts:</b>Function, Change, Responsibility</p> <p><b>Related Concepts:</b> adaptations, interdependence , sustainability, culture, community, connections, diversity, history, beliefs , tradition</p> <p><b>Learner Profile Attributes:</b> Inquirers, Balanced, Knowledgeable</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Our bodies &amp; food</li> <li>2. Food comes from plants and animals</li> <li>3. Making choices about the food we eat</li> </ol>	<p><b>Central Idea:</b> How a person thinks and feels about themselves shapes them as a learner.</p> <p><b>Key Concepts:</b> Causation, Connection, Perspective, Responsibility</p> <p><b>Related Concepts:</b> connection, identity, self, communication, perspective</p> <p><b>Learner Profile Attributes:</b> Caring, Reflective, Communicators, Knowledgeable</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Growth mindset develops the learner</li> <li>2. Factors that influence self-identity</li> <li>3. Responsibilities toward others</li> </ol>	<p><b>Central Idea:</b> Different factors impact health and wellbeing.</p> <p><b>Key Concepts:</b> Function, Connection, Responsibility</p> <p><b>Related Concepts:</b> resources, resources, process, discovery, consequences, balance, cause and effect</p> <p><b>Learner Profile Attributes:</b> Balanced, Knowledgeable</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. How body systems work</li> <li>2. The interconnectedness of body systems</li> <li>3. Possible ways to ensure healthy wellbeing for community members</li> </ol>
<p><b>How We Express Ourselves</b></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 for the aesthetic.</p> 	<p><b>Central Idea:</b> People around the world express their cultures and traditions in different ways.</p> <p><b>Key Concepts:</b> Connection, Perspective, Change</p> <p><b>Related Concepts:</b> family,values, location, history, change, culture, tradition, diversity</p> <p><b>Learner Profile Attributes:</b></p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. How we are similar/different</li> <li>2. The ways personal and cultural events are celebrated</li> </ol>	<p><b>Central Idea:</b> Cultural expression can happen through storytelling.</p> <p><b>Key Concepts:</b> Form, Perspective</p> <p><b>Related Concepts:</b> Technology, connection, perception, ownership, creativity,expression, past , history, culture, connection, biographies, beliefs, subjectivity, opinion</p> <p><b>Learner Profile Attributes:</b> Communicators, Open-minded</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1.Exploration of Stories</li> <li>2.Learning through stories</li> <li>3. Expressing Culture</li> </ol>	<p><b>Central Idea:</b> People around the world express their cultures and traditions in different ways.</p> <p><b>Key Concepts:</b> Connection, Perspective, Change</p> <p><b>Related Concepts:</b> community, diversity, personal histories, history, culture, beliefs , tradition, holidays</p> <p><b>Learner Profile Attributes:</b> Caring, Knowledgeable, Open-minded, Inquirers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Celebrations of personal and cultural events</li> <li>2 Traditions</li> <li>3. Historical Figures</li> </ol>	<p><b>Central Idea:</b> Digital media can change the way people communicate.</p> <p><b>Key Concepts:</b> Function, Connection, Perspective</p> <p><b>Related Concepts:</b> networks, digital media, history, culture, perception, technology, balance, media, inspiration, interpretation, creativity, space, influence, pattern,</p> <p><b>Learner Profile Attributes:</b> Communicators, Thinkers, Principled</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1.Effective communication</li> <li>2. Digital media applications</li> <li>3. How technology affects communication</li> </ol>	<p><b>Central Idea:</b> Cultures and communities change to adapt.</p> <p><b>Key Concepts:</b> Causation, Perspective, Change</p> <p><b>Related Concepts:</b> connection, cycles, change, culture, discovery, cause and effect, Transformation , innovation, Adaptation , sustainability</p> <p><b>Learner Profile Attributes:</b> Caring, Balanced, Open-minded</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. How history impacts culture</li> <li>2. How locations grow and change</li> <li>3. Location impacts culture</li> </ol>
<p><b>How the World Works</b></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 the environment.</p> 	<p><b>Central Idea:</b> Force and Motion affect the world around us.</p> <p><b>Key Concepts:</b> Connection, Function, Change</p> <p><b>Related Concepts:</b> connection, force, interaction, movement, gravity, location, change, motion, structure, discovery, forces, energy, interdependence.</p> <p><b>Learner Profile Attributes:</b> Risk-takers, Thinkers, Inquirers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Force is seen in everyday life.</li> <li>2. How people and objects move.</li> <li>3. Where we see Force and Motion</li> </ol>	<p><b>Central Idea:</b> The natural world is constantly changing.</p> <p><b>Key Concepts:</b> Connection, Change</p> <p><b>Related Concepts:</b> Cycles, relationships, patterns</p> <p><b>Learner Profile Attributes:</b> Reflective, Knowledgeable, Inquirers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. An inquiry into day and night.</li> <li>2. An inquiry into seasons.</li> <li>3. An inquiry into change.</li> </ol>	<p><b>Central Idea:</b> As the Earth moves, it creates patterns that help us recognize change and time.</p> <p><b>Key Concepts:</b> Causation, Function, Connection</p> <p><b>Related Concepts:</b> adaptations, interdependence , Change, Migration, cause and effect, past , present, connection, interaction</p> <p><b>Learner Profile Attributes:</b> Inquirers, Risk-takers, Reflective</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Observations allow us to recognize movements and patterns.</li> <li>2. Forces can create movement or stability.</li> <li>3. Patterns of movement can help us predict and infer about the world around us.</li> </ol>	<p><b>Central Idea:</b> We can make predictions and use experiments to understand the world around us.</p> <p><b>Key Concepts:</b> Causation, Form, Function</p> <p><b>Related Concepts:</b> communication, form , research, connection, information, connection, Consequences</p> <p><b>Learner Profile Attributes:</b> Causation, Form, Function</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. What curiosity and discovery lead to</li> <li>2. Understanding heat and light</li> <li>3. Applications of scientific inquiry in real-life</li> </ol>	<p><b>Central Idea:</b> Our understanding of natural forces enables people to design and improve technologies.</p> <p><b>Key Concepts:</b> Form, Function, Connection</p> <p><b>Related Concepts:</b> equations, rules, process, quantity,progress, history, culture, government, discovery, technology, balance,</p> <p><b>Learner Profile Attributes:</b> Inquirers, Thinkers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Different types of forces</li> <li>2. How different machines work</li> <li>3. How people developed scientific principles to make use of natural forces</li> </ol>
<p><b>Where We Are in Place and Time</b></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><i>This UOI not taught in K.</i></p>	<p><b>Central Idea:</b> Inquirers, Reflective, Communicators, Thinkers</p> <p><b>Key Concepts:</b> Form, Function, Change</p> <p><b>Related Concepts:</b> networks, history, geography, culture, perception, discovery, tradition, media connections, diversity, personal histories, expression, interconnectedness, history, past , present, culture, connection, beliefs , tradition, traditions</p> <p><b>Learner Profile Attributes:</b> Inquirers, Reflective, Communicators, Thinkers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1.Uncovering our personal histories through stories</li> <li>2. Tools and processes for exploring our past</li> <li>3. Recording and documenting our present.</li> </ol>	<p><b>Central Idea:</b> Geography and cultural impact the relationships within and across types of homes.</p> <p><b>Key Concepts:</b> Inquirers, Thinkers, Caring</p> <p><b>Related Concepts:</b> choices, Survival, Systems, Pattern , Role, Pattern, progress, history, geography, culture.</p> <p><b>Learner Profile Attributes:</b> Inquirers, Thinkers, Caring</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Where people live can influence their identity</li> <li>2. Geography affects the design of homes</li> <li>3. Cultural contexts determine relationships within and across homes</li> </ol>	<p><b>Central Idea:</b> Reflecting on our history helps us understand how we communicate, where we come from and where we may go.</p> <p><b>Key Concepts:</b> Connection, Function, Change</p> <p><b>Related Concepts:</b> community, Resources, innovation, history,discovery,</p> <p><b>Learner Profile Attributes:</b> Communicators, Knowledgeable, Inquirers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Ways of identifying and analyzing historical artifacts</li> <li>2. Past experiences help make sense of the world</li> <li>3. Innovation changes the way people live</li> </ol>	<p><b>Central Idea:</b> Challenges and opportunities allow people to survive and thrive in different environments.</p> <p><b>Key Concepts:</b> Causation, Perspective, Change</p> <p><b>Related Concepts:</b> networks, progress, history, geography, governance, discovery, technology, balance</p> <p><b>Learner Profile Attributes:</b> Communicators, Thinkers, Knowledgeable</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Changes in the environment over time.</li> <li>2. Environmental changes can impact life on Earth.</li> <li>3. Humans interact with the environment to survive and thrive.</li> </ol>
<p><b>How We Organize Ourselves</b></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><i>This UOI not taught in K.</i></p>	<p><b>Central Idea:</b> People make choices based on perceived value</p> <p><b>Key Concepts:</b> Causation, Connection, Responsibility</p> <p><b>Related Concepts:</b> consumers, producers,trade , shelter, save, producers, Goods, services, needs, consumers, wants, money</p> <p><b>Learner Profile Attributes:</b> Reflective, Risk-takers, Inquirers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1.Needs and Wants</li> <li>2. Producers &amp; Consumers</li> <li>3. Goods and Services</li> </ol>	<p><b>Central Idea:</b> People develop transportation systems to aid society.</p> <p><b>Key Concepts:</b> Causation, Function, Perspective</p> <p><b>Related Concepts:</b> innovation, history, connection, inventions, exploration, connection, Consequences , Impact</p> <p><b>Learner Profile Attributes:</b> Communicators, Thinkers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Need for transport</li> <li>2. Transportation systems</li> <li>3. Designing and making transport</li> </ol>	<p><b>Central Idea:</b> Natural disasters affect people and their environment.</p> <p><b>Key Concepts:</b> Causation, Function, Responsibility</p> <p><b>Related Concepts:</b> roles, interaction, motion, development, systems, connection, Pattern , Impact</p> <p><b>Learner Profile Attributes:</b> Risk-takers, Thinkers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. How natural disasters happen</li> <li>2. Impact of natural disasters</li> <li>3. human preparation for natural disasters</li> </ol>	<p><b>Central Idea:</b> Challenges and opportunities allow people to survive and thrive in different environments.</p> <p><b>Key Concepts:</b> Causation, Connection, Responsibility</p> <p><b>Related Concepts:</b> sustainability , Interdependence, Systems , Relationships , Networks</p> <p><b>Learner Profile Attributes:</b> Communicators, Thinkers, Knowledgeable</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Economics</li> <li>2. Systems (Economic/ Plant and Animals)</li> <li>3. Trade</li> </ol>
<p><b>Sharing the Planet</b></p> <p>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 relationship within and between them; access to equal opportunities; peace and conflict resolution.</p> 	<p><b>Central Idea:</b> Living things have an impact on their environment.</p> <p><b>Key Concepts:</b> Connection, Responsibility, Change</p> <p><b>Related Concepts:</b> change, environment, adaptation, interconnectedness, life cycles, living vs. non-living,Change, interconnectedness, environment</p> <p><b>Learner Profile Attributes:</b> Caring, Knowledgeable, Inquirers</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1.Living v. Non Living</li> <li>2. How living things grow/change</li> <li>3. Interaction between living things and their environment</li> </ol>	<p><b>Central Idea:</b> Human interaction with the natural world causes change</p> <p><b>Key Concepts:</b> Causation, Function, Change</p> <p><b>Related Concepts:</b> creativity, exploration, space,creativity, exploration, space,process, expression, ideas</p> <p><b>Learner Profile Attributes:</b> Inquirers, Thinkers, Caring</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. The natural world</li> <li>2. Human interaction with nature</li> <li>3. Changes people can make</li> </ol>	<p><b>Central Idea:</b> Equal access to the earth's finite resources provides challenges for the global community.</p> <p><b>Key Concepts:</b> Causation, Change, Responsibility</p> <p><b>Related Concepts:</b> progress, geography, governance, government, perception, equality, sustainability, supply &amp; demand, population, consequences, balance</p> <p><b>Learner Profile Attributes:</b> Balanced, Caring</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1.Finite versus renewable resource</li> <li>2. The changing needs of communities</li> <li>3.Challenges to have equitable access to finite resources</li> </ol>	<p><b>Central Idea:</b> Components of an ecosystem are interdependent.</p> <p><b>Key Concepts:</b> Causation, Connection, Responsibility</p> <p><b>Related Concepts:</b> shape, influence, purpose, balance, emphasis Values , Initiative, choices, Justice</p> <p><b>Learner Profile Attributes:</b> Reflective, Knowledgeable, Caring</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Interdependence among things within an ecosystem</li> <li>2. Causes and effects of species becoming endangered</li> <li>3. Our responsibility towards the conservation of the ecosystem</li> </ol>	<p><b>Central Idea:</b> Understanding self-identity, feelings and thoughts can help us manage our personal bias, perspectives and interactions with other people.</p> <p><b>Key Concepts:</b> Form, Connection, Perspective</p> <p><b>Related Concepts:</b>Truth, Beliefs , Subjectivity , Prejudice, Opinion</p> <p><b>Learner Profile Attributes:</b> Reflective, Open-minded</p> <p><b>Lines of Inquiry:</b></p> <ol style="list-style-type: none"> <li>1. Your history and roots are a part of what make you who you are.</li> <li>2. People Connect through similarities and differences.</li> <li>3. Our responsibility towards the respect others' think from another's perspective</li> </ol>