Shekou International School

2022-2023 Programme of Inquiry

e I	WHO WE ARE	WHERE WE ARE IN PLACE AND TIME	HOW WE EXPRESS OURSELVES	HOW THE WORLD WORKS	HOW WE ORGANISE OURSELVES	SHARING THE PLANET
	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 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.	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.
Grade 5	 Central Idea: Being aware of our biases may lead to responsible action. Lines of Inquiry: Causes and effects of biases and stereotypes How varying perspectives are expressed What motivates change makers to take action Key Concepts: Responsibility, Causation, Perspective Related Concepts: Equality, Diversity, Action Learner Profile: Open-minded, Caring, Risk-Takers 	 Central Idea: Technology helps us explore new frontiers. Lines of Inquiry: The demand for new and improved technologies Application of technology for problem-solving Testing and evaluating engineering and design solutions Key Concepts: Form, Function Connection Related Concepts: Technology (Robotics & Coding), Solution, Progress, Stimulus / Response Learner Profile: Inquirers, Risk-Raker, Reflective 	PYP Exhibition	 Central Idea: Investigation allows for a deeper understanding of our world. Lines of Inquiry: Using multiple perspectives to view the world Applying new understandings to solve problems and meet needs The ways scientific advancements impact people and their environment Key Concepts: Form, Causation, Responsibility Related Concepts: Properties, Matter, Structure Learner Profile: Inquirers, Knowledgeable, Principled 	 Central Idea: Systems may evolve from changing human experiences. Lines of Inquiry: Different types of human- made systems Factors that influence the development in societies How decisions are made in different societies Key Concepts: Function, Change, Form Related Concepts: Cultural Norms, Decision-Making, Rules & Laws Learner Profile: Communicators, Thinkers 	 Central Idea: Living things coexist in a delicate balance. Lines of Inquiry: Matter and energy cycles support life The interdependence of components within an ecosystem Global events influence the health of environments Key Concepts: Change, Connection, Responsibility Related Concepts: Energy, Ecosystem, Interdependence Learner Profile: Thinkers, Principled, Caring
Grade 4	 Central Idea: Our experiences shape our beliefs, values, and communities. Lines of Inquiry: The connection between our experiences and identities What we believe and value as individuals How beliefs and values influence actions Key Concepts: Perspective, Change, Connection Related Concepts: Identity, Beliefs & Values, Cultural Norms Learner Profile: 	 Central Idea: Humans migrate in response to challenges, risks and opportunities. Lines of Inquiry: Reasons for migration How migrations have taken place over time Causes and effects Key Concepts: Causation, Change, Perspective Related Concepts: Migration, Exploration, Opportunities Learner Profile: Inquirers, Communicators, Risk- Takers 	 Central Idea: The strive for improvement sparks innovation and creative problem solving. Lines of Inquiry: How energy is transformed for human use Conservation of energy Innovative actions that change lives Key Concepts: Causation, Change, Connection Related Concepts: Transformation, Innovation, Action 	 Central Idea: New solutions come from recognizing changing patterns. Lines of Inquiry: Identifying patterns in our world The consequences of change Designing and engineering solutions Key Concepts: Form, Causation, Responsibility Related Concepts: Patterns, Design Cycle, Topography Learner Profile: Knowledgeable, Thinkers, Reflective 	 Central Idea: Economies rely on resources and choices to sustain society. Lines of Inquiry: Exchanges of goods and services Interdependence between economies Factors that shape economies Key Concepts: Responsibility, Connection, Function Related Concepts: Interdependence, Decision-Making, Investment & Return 	 Central Idea: Living things process and respond to information in different ways for survival. Lines of Inquiry: Internal and external structures of living things They ways systems sense, process, and respond to external factors Resources affect changes in living things Key Concepts: Function, Causation, Form Related Concepts: Cause & Effect, Structures, Survival Learner Profile:



	Open-minded, Reflective, Balanced		Learner Profile: Open-minded, Caring, Reflective		Learner Profile: Thinkers, Reflective, Principled	Knowledgeable, Communicators
Grade 3	 Central Idea: Unique identities create communities with diverse cultural experiences and stories. Lines of Inquiry: Family stories from the past Sharing cultural experiences How might unique identities connect us Key Concepts: Responsibility, Connection, Perspective Related Concepts: History, Storytelling, Culture Learner Profile: Communicators, Open-Minded, Caring 	 Central Idea: Understanding the effects of climate determines how we adapt to it. Lines of Inquiry: Types of climate and weather How people are affected by climate Actions taken to reduce the impact of natural hazards Key Concepts: Form, Causation, Change Related Concepts: Time, Pattern, Outreach Learner Profile: Inquirers, Knowledgeable, Communicators 	 Central Idea: An inquiry cycle helps us explore our interests to share with others. Lines of Inquiry: There are diverse ways of self-expression An inquiry process supports our exploration Strategies that help represent and enhance meaning Key Concepts: Connection, Perspective, Responsibility Related Concepts: Passions & Interests, SDGs, Inquiry Learner Profile: Risk-Takers, Communicators, Balanced 	 Central Idea: Scientists investigate to understand forces and interactions. Lines of Inquiry: Balanced and unbalanced forces The observable and measurable patterns The qualities of a scientist Key Concepts: Form, Function, Causation Related Concepts: Forces & Motion, Investigations, Patterns Learner Profile: Knowledgeable, Inquirers, Thinkers, Reflective 	 Central Idea: People can collaborate to build and organize communities. Lines of Inquiry: Rights and responsibilities of people in a community How organized communities and society function Decision making Key Concepts: Function, Causation, Responsibility Related Concepts: Children's Rights, Equity, Decision- making Learner Profile: Risk-Takers, Reflective, Communicators 	 Central Idea: Organisms and their environment influence each other over time. Lines of Inquiry: How organisms survive Life cycles and traits The response to environment changes Key Concepts: Causation, Change, Responsibility Related Concepts: Habitats, Adaptations, Survival Learner Profile: Caring, Thinkers, Principled
Grade 2	 Central Idea: Citizens understand their roles and how they contribute to their communities. Lines of Inquiry: Different communities Roles and responsibilities of the community How citizens contribute to their communities Key Concepts: Connection, Responsibility, Function Related Concepts: Community, Beliefs, Roles Learner Profile: Principled, Caring, Communicators 	 Central Idea: Individuals can choose to make a difference. Lines of Inquiry: Life changes over time People and events influence our lives How change makers take action Key Concepts: Responsibility, Change Related Concepts: History, Choice, Cause & Effect Learner Profile: Caring, Reflective, Open-Minded 	 Central Idea: Value is determined and expressed in creative ways Lines of Inquiry: Different values How value is determined Creative ways to express ourselves Key Concepts: Causation, Perspective, Form Related Concepts: Value, Choice, Contribution Learner Profile: Principled, Balanced, Reflective 	 Central Idea: People observe patterns of change and use it to improve their lives. Lines of Inquiry: Fast and slow changes Adapting to the environment Evaluating multiple solutions Key Concepts: Causation, Change, Form Related Concepts: Time, Process, Solutions Learner Profile: Inquirers, Communicators 	 Central Idea: Discoveries are shared by using a process. Lines of Inquiry: Discovering from observations and experimentations Different types of processes help with organization Sharing understandings using step-by-step processes Key Concepts: Connection, Form, Causation Related Concepts: Scientific Community, Processes, Transformation Learner Profile: Inquirers, Thinkers, Open-Minded 	 Central Idea: All living things are interconnected and need each other to survive. Lines of Inquiry: Diversity of life in different habitats. Relationships between living things Creating models to share knowledge Key Concepts: Form, Connection, Function Related Concepts: Interdependence, Survival, Habitat Learner Profile: Risk-Takers, Thinkers, Knowledgeable
Grade 1	Central Idea: Balanced humans set goals for growth. Lines of Inquiry: Identifying and setting reasonable goals Monitoring progress and taking next steps	Central Idea: Humans use patterns to make connections. Lines of Inquiry: • Patterns in nature • Recognizing patterns	 Central Idea: Discovering interests and passions inspires knowledge and perseverance. Lines of Inquiry: Taking risks to explore interests Different ways to express creativity 	 Central Idea: People use their understanding of scientific principles to communicate. Lines of Inquiry: The different ways light and sound are made 	 Central Idea: Goods and services allow people to satisfy their needs and wants. Lines of Inquiry: The relationship between local resources and the environment 	 Central Idea: Knowledge of the natural world supports human innovations. Lines of Inquiry: Structures of living things and their functions

	Skills and strategies to help	The relationship between		How to carefully observe and	The ways community groups	Inherited traits and learned
	 Skills and strategies to help us learn Key Concepts: Perspective, Responsibility, Change Related Concepts: Empathy, Problem-Solving, Friendships Learner Profile: Principled, Caring, Balanced 	 The relationship between patterns in nature and human activities Key Concepts: Form, Change, Connection Related Concepts: Patterns, Time, Cycles Learner Profile: Inquirers, Knowledgeable 	 How perseverance builds knowledge Key Concepts: Responsibility, Perspective, Connection Related Concepts: Collaboration, Commitment, Communication Learner Profile: Balanced, Risk-takers, Reflective 	 How to callefully observe and describe the properties of light and sound Communicating with light and sound Key Concepts: Causation, Form, Function Related Concepts: Communication, Design Process, Evidence Learner Profile: Inquirers, Communicators 	 The ways community groups provide goods and services. Different needs and wants Key Concepts: Function, Connection, Perspective Related Concepts: Resources, Economy, Local & Global Learner Profile: Reflective, Open-minded 	 Inferted traits and learned behaviour of parents and offspring How some human inventions mimic the structure of living things Key Concepts: Function, Form, Causation Related Concepts: Biomimicry, Environments, Innovation & Design Learner Profile: Inquirers, Thinkers, Communicators
KG	Central Idea: Understanding self and others strengthens relationships. Lines of Inquiry: • Naming and expressing emotions • Identifying how we are the same and different • Decisions and choices impact relationships Key Concepts: Perspective, Responsibility, Causation Related Concepts: Emotions, Community, Decision- Making Learner Profile: Caring, Balanced, Reflective	 Central Idea: Artifacts tell our personal stories. Lines of Inquiry: Artifacts show our past Exploring the past through research Making inferences based on evidence Key Concepts: Form, Connection, Perspective Related Concepts: The Past, Research, Artifacts Learner Profile: Knowledgeable, Inquirers, Reflective 	 Central Idea: We communicate and express ourselves in different ways. Lines of Inquiry: Ways to express our thinking Signs and symbols communicate meaning Storytelling through different forms Key Concepts: Form, Function, Perspective Related Concepts: Symbols, Expression, Communication Learner Profile: Communicators, Risk-takers, Open- Minded 	 Central Idea: Investigations allow people to problem solve and come to new understandings. Lines of Inquiry: Ways to explore and investigate Our discoveries from investigations Design cycle solves problems Key Concepts: Function, Causation Related Concepts: Design Cycle, Cause & Effect, Patterns Learner Profile: Inquirers, Thinkers 	Not required at this stage	 Central Idea: Living things depend on the environment in different ways for survival. Lines of Inquiry: Living things have needs to live and grow. The relationship between living things and the environment The responsibilities we have to care for our environment. Key Concepts: Causation, Change, Responsibility Related Concepts: Choice, Action, Empathy Learner Profile: Principled, Caring, Reflective
PreK-2	 Central Idea: Healthy relationships create nurturing communities. Lines of Inquiry: Carrying out daily routines with increasing independence How our communities provide safe and caring environments Building healthy relationships Key Concepts: Form, Change, Responsibility Related Concepts: Friendships, Ownership, Community Learner Profile: Caring, Balanced, Principled 	Not required at this stage	 Central Idea: People use language to express their ideas, experiences, and culture. Lines of Inquiry: Different art forms convey meaning and feelings Stories tell us about the real and imagined worlds Culture is expressed in different forms Key Concepts: Function, Connection, Perspective Related Concepts: Language, Communication, Culture Learner Profile: 	 Central Idea: Exploration leads to knowing more about the world. Lines of Inquiry: Our experiences connect us to the wider world Curiosity leads us to explore We can use different strategies to make our thinking visible Key Concepts: Form, Causation, Connection Related Concepts: Exploration, Design, Theories Learner Profile: Inquirers, Knowledgeable, Risk-takers 	Not required at this stage	 Central Idea: Resource sharing in learning spaces cultivates a sense of community and equity. Lines of Inquiry: Taking part in the care for the learning community Understanding how one's choices affect others Ways to collaborate peacefully and fairly Key Concepts: Function, Causation, Responsibility Related Concepts: Community, Empathy, Equity

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			Inquirers, Communicators, Open- minded		
PreK-1	 Central Idea: A caring and secure environment connect learners to their community. Lines of Inquiry: What makes a community Recognizing similarities and differences amongst us Ways to build a caring and secure environment Key Concepts: Responsibility, Connection Related Concepts: Safety, Inclusivity, Agreements Learner Profile: Principled, Caring, Balanced 	Not required at this stage	 Central Idea: Ideas can be expressed in different ways. Lines of Inquiry: We can represent our ideas in creative ways Experiences expose us to our own and other's cultures Play promotes reciprocal interaction Key Concepts: Form, Connection, Perspective Related Concepts: Imagination, Storytelling, Visible Thinking Learner Profile: Communicators, Open-minded, Thinkers 	 Central Idea: Curiosity sparks interest in our environment. Lines of Inquiry: Our senses guide our exploration Materials behave in different ways We take risks as inquirers Key Concepts: Causation, Form, Change Related Concepts: Theorizing, Exploration, Problem- Solving Learner Profile: Knowledgeable, Inquirers, Risk-Takers 	Not required at
Nursery	 Central Idea: A caring and secure environment help learners understand who they are in a community. Lines of Inquiry: We are part of different communities Our daily routines help us keep healthy and safe How communities provide safe and caring environments Key Concepts: Responsibility, Form, Connection, Function Related Concepts: Learning Spaces, Community, Relationships Learner Profile: Caring, Principled, Balanced 	Not required at this stage	 Central Idea: Learners express themselves through play. Lines of Inquiry: We communicate in different ways Play brings out a variety of emotions How recognizing patterns help in language development Key Concepts: Form, Connection, Perspective Related Concepts: Language, Art, Communication Learner Profile: Communicators, Inquirers, Open- minded 	 Central Idea: Learners explore their environment. Lines of Inquiry: Using all senses Different types of materials We take risks to try new things and problem solve Key Concepts: Form, Causation, Change Related Concepts: Senses, Materials, Perseverance Learner Profile: Thinkers, Knowledgeable, Risk-takers, Reflective 	Not required at

Units of Inquiry are reviewed each year and are subject to change.

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	Learner Profile: Thinkers, Reflective, Caring
t this stage	 Central Idea: Working together requires sharing and problem solving. Lines of Inquiry: Everyone has rights and responsibilities Everyone shows respect Everyone contributes towards common goals Key Concepts: Perspective, Responsibility, Function Related Concepts: Goal-Setting, Equity, Collaboration Learner Profile: Communicators, Caring, Reflective
t this stage	Not required at this stage