PYP of the IB: Program of Inquiry 2020-2021 INTERNATIONAL COLLEGE

Who we are	Where we are in place and	How we express	How the world works	How we organize 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	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.
Central Idea: Many factors play a role in developing a sense of self	Central Idea: The time and place of events shape lives and experiences throughout history	Central Idea: Media informs the way we understand the world	Central Idea: Our understanding of mixtures contributes to our health and quality of life.	PYP Exhibition The central Idea and the lines of inquiry will be developed by the students.	Central Idea: The increasing demand and unequal distribution of energy has sparked conflict and innovation
Key concepts: Form Change Perspective	Key concepts: Function Causation Connection	Key concepts: Function Perspective Responsibility	Key concepts: Form Function Perspective		Key concepts: Form Change Responsibility
Related concepts: Social Studies: Social organizations and culture: Identity Science: Living things: Human growth and development PSE: Identity: Autonomy Self-regulation PSE: Interactions: Community	Related concepts: Social Studies :Social organizations and culture: Conflict Social Studies: Human and natural environments: Geography Impact	Related concepts: <u>Social Studies: Human</u> <u>systems and economic</u> <u>activities:</u> Communications <u>Social Studies: Social</u> <u>organization and culture:</u> Networks <u>PSE: Identity:</u> Image <u>PSE: Interactions:</u> Digital citizenship	Related concepts: Science: Materials and Matter: Properties of mixtures Properties of solutions Density		Related concepts: <u>Science: Earth and Space:</u> Renewable and non- renewable energy sources <u>Science: Forces and</u> <u>energy:</u> Forms of energy Transformation of energy <u>Science: Materials and</u> <u>Matter:</u> Conduction Convection
 Lines of Inquiry: The characteristic that identify self-knowledge How self-efficacy can be developed Addressing the complexity of evolving identity 	 Lines of Inquiry: How geography has a role in history The history of events affects the lives of people. The geo- political analysis of current events 	 Lines of Inquiry: The use of persuasive language, images and sound in media How media affects values, perceptions and knowledge What it means to be media literate 	 Lines of Inquiry: What mixtures are (Form) How mixture can be formed and separated (Function) The implications of our understanding of mixtures (Perspective) 		 Lines of Inquiry: The different forms and changes of energy The different sources of energy Our responsibility in harnessing energy in a sustainable and equitable way
	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. Central Idea: Many factors play a role in developing a sense of self Key concepts: Form Change Perspective Related concepts: Social Studies: Social organizations and culture: Identity Science: Living things: Human growth and development PSE: Identity: Autonomy Self-regulation PSE: Interactions: Community Lines of Inquiry: • The characteristic that identify self-knowledge • How self-efficacy can be developed • Addressing the complexity of evolving	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 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 individuals and civilizations, from local and global perspectives.Central Idea: Many factors play a role in developing a sense of selfCentral Idea: The time and place of events shape lives and experiences throughout historyKey concepts: Form Change PerspectiveKey concepts: Function ConnectionRelated concepts: Social Studies: Social organizations and culture: Identity Seince: Living things: Human growth and development PSE: Interactions: CommunityRelated concepts: Social Studies: Human and natural environments: Geography ImpactLines of Inquiry: • The characteristic that identify self-knowledge • How self-efficacy can be developedLines of Inquiry: • How geography has a role in historyLines of Inquiry: • Addressing the complexity of evolvingLines of Inquiry: • The epo-political analysis of current events	An inquiry into the nature of the self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, driends, communities, and responsibilities; what it means to be human.timeAn inquiry into orientation in place and time; personal histories; homes and place and time; personal histories; homes and dutures; rights and responsibilities; what it means to be human.timeAn inquiry into the ways in which we discover and express ideas, on, extend and enjoy our creativity; our appreciation of the aesthetic.Central Idea: Many factors play a role in developing a sense of selfCentral Idea: The time and place of events shape lives and experiences throughout historyCentral Idea: Media informs the way we understand the worldKey concepts: Form Change PerspectiveCentral Idea: The time and place of events shape lives and experiences throughout historyKey concepts: Function Causation CannectionKey concepts: Function PerspectiveRelated concepts: Social Studies: Social organizations and culture: IdentityRelated concepts: Social Studies: Human and natural environments: Geography ImpactRelated concepts: Social Social Studies: Muman granization and culture: ConflictSelf-regulation PSE: Interactions: CommunityLines of Inquiry: • How self-efficacy can be developedLines of Inquiry: • How geography has a role in history • The history of events aff	An inquiry into the nature of the self; beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, explorations and migrations of humankind; the elationships between and the interactions and migrations and events and eventsAn inquiry into the natural world and its laws; the interactions and migrations and express ideas; feelings, nature, culture; or action and epilos our appreciation of the assethetic.An inquiry into the mary is matural world (physical and parcetation of the assethetic.Central Idea: ConnectionCentral Idea: The time and place of events shape lives and experiences throughout historyCentral Idea: Function PerspectiveCentral Idea: Function PerspectiveCentral Idea: Function PerspectiveKey concepts: Social Studies: Social organizations and culture; Connict Social Studies: Human and natural environments; Georgaphy Test: Identity. Autonomy Self-regulation PSE: Identity. PSE: Identity. PSE: Identity. PSE:	An inquiry into the nature of the safety beliefs and values; personal, physical, mental, social

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9-10	Central Idea: The human body is a complex machine dependent on its systems	Central Idea: Human migration is a response to challenges, risks and opportunities	Central Idea: Inventions shape the lives of humankind	Central Idea: Light and sound help people experience their world	Central Idea: Economic systems guide decision making
	Key concepts : Function Connection Responsibility	Key concepts: Causation Form Change	Key concepts: Causation Change Responsibility	Key concepts : Form Connection Change	Key concepts: Form Connection Perspective
	Related concepts: <u>Science: Living things:</u> Biology: organs, Systems Systems: Digestive, nervous, circulatory, skeletal, muscular, and respiratory <u>PSPE: Active Living:</u> Balanced/healthy lifestyle (physical well-being)	Related concepts: Social Studies: Continuity and change through time: History Migrations Social Studies: Human and natural environment: Population	Related concepts: Social Studies: Continuity and change through time: Innovation Science: Forces and Energy: Technological advances <u>PSE: Identity:</u> Perseverance Self- regulation	Related concepts: Science: Forces and energy: Forms of energy: light and sound How sound moves How light moves	Related concepts: Social Studies: Human systems and economic activities: Employment Production Cooperation Social Studies: Resource the Environment: Consumption
	 Lines of inquiry: Body systems and how they function The interdependence of body systems Our responsibility in maintaining healthy body systems 	 Lines of Inquiry: Reasons why people migrate Migration throughout history Effects of migration on communities cultures and individuals. 	 Lines of inquiry: How inventions stem from ideas Evolution of inventions Impact of inventions on everyday life 	 Lines of inquiry: Sources of light and sound Ways light and sound are experienced How light and sound can be changed 	 Lines of inquiry: Characteristics of ecosystems How different econor systems work togethe internationally How economic system have an impact on us

selves	Sharing the planet
of s and icture al nomic pact on	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.
de	Central Idea: Our use of natural resources entails social and environmental consequences Key concepts: Form Causation Responsibility
ces and	Related concepts: Science: Materials and Matter: Properties and uses of materials Science: Earth and Space: Resources Social studies: Resources and the environment: Conservation; Consumption PSE: Interactions: Preservation
conomic omic her tems us	 Lines of inquiry: What natural resources are Consumption of natural resources The responsibility of stakeholders in conserving natural resources.

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-	8-9	Central Idea: Rights and responsibilities play a role in the development of a society	Central Idea: The relationship of ancient civilizations to the modern world.	Central Idea: Appreciating different cultures enables us to become global citizens.	Central Idea: Uses of different forces cause change in the environment.	Central Idea: Human activities have an interdependence with the natural world.
		Key concepts Form Change Causation	Key concepts: Form Change Connection	Key concepts: Form Perspective Connection	Key concepts : Function Change Connection	Key concepts: Form Causation Responsibility
		Related concepts Social Studies: Social organization and culture: Rights; Roles PSE: Identity: Ethnicity PSE: Interactions: Citizenship	Related concepts: Social Studies: Continuity and change through time: Civilizations Chronology History	Related concepts: Social studies: Social organization and culture: Diversity PSPE: Interactions: Belonging Culture	Related concepts Science: Forces and energy: Physics Mechanics <u>PSPE: Identity:</u> Self-regulation <u>PSE: Interactions:</u> Teamwork	Related concepts: Social Studies: Resource the Environment: Biomes Sustainability Science: Living things Adaptation
		 Lines of inquiry: What rights and responsibilities are How rights and responsibilities developed over time The impact of rights and responsibilities on humankind and the environment 	 Lines of inquiry: Characteristics of civilizations How achievements of ancient civilizations progressed over time How past civilizations relate to our current lives 	 Lines of inquiry: What culture is. How interacting with different cultures enriches our lives. How attributes of the learner profile promote global citizenship 	 Lines of inquiry: The different uses of force The changes caused by the use of force How understanding force helps us understand our world 	 Lines of inquiry: Characteristics of bior Effects of human ecor activities on biomes Our responsibility in maintaining sustainab biomes

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an ne	Central Idea: People can make choices to support the sustainability of water				
	Key concepts: Change Causation Responsibility				
<u>ces and</u>	Related concepts: Science: Earth and space: Water cycle Science: Material and matter: Changes of state Social Studies: Resources and the environment: Distribution Sustainability PSE: Interactions: Preservation				
omes conomic able	 Lines of inquiry: Properties and states of water The availability & distribution of water The choices people make to manage the use of water 				

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7.0	Central idea	Central idea	Central idea	Central idea	Central idea	Central idea
7-8	Our individual characteristics can make a contribution to our community	Exploring history and geography contribute to people's understanding of their identity	People manipulate materials to express their creativity	Earth's predictable patterns determine the behavior of living things	Cities have special characteristics that make them unique	All living things go through a process of change
	Key concepts	Key concepts	Key concepts	Key concepts	Key concepts	Key concepts
	Form	Form	Form	Form	Form	Change
	Causation	Causation	Function	Function	Causation	Causation
	Responsibility	Connection	Perspective	Causation	Perspective	Connection
	Related concepts Social studies: Continuity and Change: Progress PSPE: Identity Autonomy Self-regulation PSE: Interactions: Community	Related concepts Social studies: Human and natural environments: Geography Social studies: Continuity and Change through time: History Social studies: Social Organizations and Culture: Identity PSPE: Identity: Heritage	Related concepts Science: Materials and Matter: Properties and uses of materials Science: Earth and Space: Resources Social Studies: Resources and the Environment: Conservation Consumption	Related concepts Science: Earth and space: Seasons Day and night Social Studies: Human and natural environments: Impact	Related concepts <u>Social Studies: Human</u> <u>systems and economic</u> <u>activities:</u> Employment Government <u>Social Studies: Human and</u> <u>natural environments: Locality</u> <u>PSPE: Interactions:</u> Citizenship	Related concepts Science: Living Things: Growth Biology
	 Lines of inquiry What makes a person significant Factors that influence our choice of relationships Our responsibilities as role models 	 Lines of inquiry The geographical characteristics and history of the place we come from How aspects of our history and geography shape our identity The interconnectedness between national identity and heritage 	 Lines of inquiry The characteristics of different materials Manipulation of materials to serve new purposes Our understanding of these creative achievements 	 Lines of inquiry Natural Cycles (day/night, seasons) Patterns in Earth's natural cycles (sun, moon, gravity) Assessing the impact of natural cycles on living things 	 Lines of inquiry The natural features of cities Similarities and differences between cities Features that make cities special 	 Lines of inquiry Life cycles How various developmental stages impact the needs of living things (food groups) Interdependence of various living things

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6-7	Central Idea: Friendships are developed through our choices and behavior	Central Idea: Celebrations are a reflection of various cultures	Central Idea: Exploring simple machines enables humans to innovat	Central Idea: Investigating matter helps people understand the world	Central Idea: School communities may be enriched by their members	Central Idea: Living things interact within their habitats to meet their needs
	Key concepts: Causation Connection Responsibility	Key concepts: Form Causation Perspective	Key concepts: Form Function Causation	Key concepts: Change Function Connection	Key concepts: Function Connection Responsibility	Key concepts: Causation Connection Responsibility
	Related concepts: <u>PSE: Identity:</u> Self-Regulation; Image <u>PSE: Interaction:</u> Relationships Behavior	Related concepts: Social Studies: Social organizations and culture: Artifacts Traditions Social Studies: Continuity and change through time: History PSE: Interactions: Culture	Related concepts: <u>PSE: Identity:</u> Perseverance <u>PSE: Interaction:</u> Team work <u>Science: Forces and</u> <u>Energy:</u> Physics Force Push/pull <u>Social Studies: Continuity</u> <u>and change through time:</u> Innovation	Related concepts: Science: Materials and matter: Change of state, Liquids Solids	Related concepts: Social Studies: Human systems and economic activities: Communication , Education PSE: Interaction Interdependence Community	Related concepts: <u>Social Studies: Resources</u> <u>and the environment:</u> Interdependence <u>Social Studies: Human and</u> <u>the natural world:</u> Impact <u>Science: Living Things:</u> Habitat Living things
	 Lines of inquiry: The importance of developing social skills How attributes of the Learner Profile enrich our friendships Maintaining good friendships 	 Lines of inquiry: Characteristics of celebrations Why People Celebrate Similarities and differences of celebrations around the world 	 Lines of inquiry: Different types of simple machines How the use of simple machines depends on force How creativity leads to the development of machines 	 Lines of inquiry: Properties and changes in matter Our senses as tools to investigate How understanding matter helps us to meet our needs 	 Lines of inquiry: The roles and responsibilities of different members of a school community How members of a school community work together How a school community capitalizes on the strengths of its individual members 	 Lines of inquiry: What makes living things living How living things meet their needs within their habitats Our responsibility in maintaining healthy habitats

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5-6	Central Idea: Increasing awareness of personal abilities allows people to challenge and improve themselves		Central Idea: Stories communicate ideas and beliefs that connect people to different cultures	Central Idea: Exploring light allows people to use it to meet their interests and needs	Central Idea: Understanding how we play with others allows us to adopt a variety of roles	Central Idea: Mini beasts interact with their environments and make a difference in the world around us
	Key Concepts: Form Causation Change		Key Concepts : Function Connection Perspective	Key Concepts: Form Function Causation	Key Concepts: Function Connection Responsibility	Key Concepts: Form Function Responsibility
	Related Concepts: <u>PSE Identity:</u> Autonomy Perseverance <u>PSE: Active Living:</u> Improvement Goal-setting		Related Concepts: <u>Social Studies: Social</u> <u>organization and culture:</u> Communication <u>PSE: Interaction:</u> Culture <u>Language:</u> Symbolic expression	Related Concepts: Science: Forces and Energy: Form of energy (light) Social Studies: Humans and natural environments: Impact	Related Concepts: Social Studies: Social organizations and culture : Roles Rights PSE: Interactions: Behavior Fair-play PSE: Identity: Character	Related Concepts: Science: Living things: Animals Classifications PSE: Interactions: Preservation, Interdependence
	 Lines of Inquiry: Identifying personal abilities Exploring strategies that help us set goals for personal improvement How my personal abilities develop over time 		 Lines of Inquiry: Why stories are created Stories stem from different cultures How people connect to and interpret stories 	 Lines of Inquiry: Different sources of light Exploring the different behaviors of light The impact of light on our lives 	 Lines of Inquiry: The purpose of play How play allows us to adopt a variety of roles My behavior in a given role 	 Lines of Inquiry: Mini beasts that live in our environment The role of mini beasts in the environment Human responsibility towards mini beasts

	Who we are 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.	Where we are in place and time 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.	How we express ourselves 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.	How the world works 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.	How we organize ourselv An inquiry into the interconnectedness of human-made systems an communities; the structu and function of organizations; societal decision-making; econor activities and their impace humankind and the environment.
4-5	Central Idea: Developing relationships requires mindful interactions Key concepts: Causation Connection Responsibility Related concepts: PSE: Interactions: Interactions Relationships Self-regulation Social Organization and Culture: Role Family Lines of inquiry: • How relationships develop • Behaviors that define a relationship • My responsibility in maintaining healthy relationships		Central Idea: Arts are modes of expression that promote creativity Key concepts: Form Function Perspective Related concepts: Social Organization and Culture: Communication PSPE: Active Living: Aesthetics, Spatial awareness) PSE: Interactions: Sharing and expressing ideas) Lines of inquiry: • Different forms of arts • Using the arts as means of expression • Sharing and responding to arts	Central Idea: Understanding the way materials behave and interact determines how people use them to meet their needs Key concepts: Causation Change Connection Related concepts: Science: Materials and matter Changes of state Properties and uses of materials Solids Liquids PSE: Interactions: Preservation Lines of inquiry: • Properties of material determine their usage • Manipulation of material • Choices in reusing material	
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	 Central Idea: Plants are living things that have a role in our lives Key concepts: Form Function Responsibility Related concepts: Science: Living things: Plants Social Studies: Resources and the environment: Interdependence, Conservation Lines of inquiry: Characteristics of plants The different uses of plants Our responsibility towards plants in our environment
and ture omic act on	Sharing the planet 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.

3-4	Central Idea: People's unique characteristics shape their identity	Central Idea: Understanding our feelings helps us express ourselves in different ways.	Central Idea: Water exists in the world in different forms and is used in various ways	
	Key Concepts Form Causation, Change	Key Concepts : Form, Perspective Connection Responsibility	Key Concepts: Form Change Function Responsibility	
	Related Concepts <u>PSE: Identity:</u> Autonomy Image P <u>SE: Interaction:</u> Behavior <u>Social Studies: Social</u> <u>organization and culture:</u> Diversity	Related Concepts: <u>PSE: Identity:</u> Feelings Self regulation <u>PSE: Interactions:</u> Sharing and expressing ideas	Related Concepts: Science: Material and Matter: Changes of state, Properties and usage of water Social Studies: Resources in the Environments: Conservation	
	 Lines of Inquiry: How people are the same and different How my characteristics make me unique How I change over time 	 Lines of Inquiry: Identifying our feelings Ways people express their feelings How feeling impact our behavior Our responsibility in expressing our feelings 	 Lines of Inquiry: Sources of water How water changes Uses of water People's responsibility when using water 	

Central Idea: Animals adapt to their environment in order to grow and survive

Key Concepts: Form Function Responsibility

Related Concepts: Science: Living Things: Habitats Animals <u>PSE: Interactions:</u> Preservation

- Lines of Inquiry:Characteristics of animalsDifferent habitats of
- different animals
- Our responsibility towards animals •