

ISC Programme of Inquiry

Adapted from the *Primary Years Programme Developing a transdisciplinary programme of inquiry*. Publication. Cardiff: IBO, 2012. Print.; *Science Scope and Sequence*. Publication. Cardiff: IBO, 2008; *Social Studies Scope and Sequence*. Publication. Cardiff: IBO, 2008

The following document seeks to lay out the minimum requirement to be taught in POI for each grade level in each of the areas of social studies and science. During the construction of this Curriculum Document every effort has been made to ensure the alignment all the elements of the Austrian National Curriculum and the IB PYP Science and Social Studies Scope and Sequences.

PYP 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
	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.
Central Idea	Our senses allow us to better understand ourselves and the world around us.	Learning about previous generations helps us understand the relationship between the past and the present.	Images communicate ideas and information.	All living things go through a process of change.	People play different roles in the communities to which they belong.	Water is essential for life, and is a limited resource for many people.
Lines of Inquiry	<ul style="list-style-type: none"> - How senses work - How senses and feelings are connected - How perceptions can differ among people 	<ul style="list-style-type: none"> - Ways to find out about the past - How aspects of the past still influence us today - Why some behaviours and practices have 	<ul style="list-style-type: none"> - The use of static and moving images in different media - How design elements of images support communication 	<ul style="list-style-type: none"> - Patterns of growth - How living things change over their lifetime - Factors that can influence life cycles 	<ul style="list-style-type: none"> - Roles of people who are part of our communities - The needs and wants of our community - How communities are organized 	<ul style="list-style-type: none"> - How water is used in our community - Distribution and availability of usable water - The importance of water and its preservation

		changed or remained the same over time	- How we interpret and respond to images			
Key Concepts	- Function - Connection - Reflection	- Causation - Change - Connection	- Function - Connection - Perspective	- Causation - Change - Connection	- Form - Function - Responsibility	- Function - Causation - Responsibility
Related Concepts	subjectivity, perception.	time, continuity, heritage.	creativity, communication, imagery.	cycles, transformation, similarities and differences.	community, rules, interaction.	consumption, conservation, distribution.

PYP 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	Systems in our body work together to keep us alive.	Throughout time landscapes have influenced people's lives.	Celebrations and traditions reflect the experiences of a culture.	Materials and simple machines are selected based on their properties and functions.	Goods and services are provided to meet demands.	Animals rely on their habitats and adaptations to survive.
Lines of Inquiry	<ul style="list-style-type: none"> - Organs in the human body - Body Systems - Ways to keep our body systems healthy and working together 	<ul style="list-style-type: none"> - Local Landscapes - The influence of landscapes on human activities - The relationship between location and settlement 	<ul style="list-style-type: none"> - National and religious holidays - Similarities and differences of celebrations - Artifacts and symbols reflect traditions 	<ul style="list-style-type: none"> - Forces - Simple machines - Materials and their properties 	<ul style="list-style-type: none"> - Goods and services - Supply and demand - Saving and spending money 	<ul style="list-style-type: none"> - Animal adaptations - Habitats - Human activity and their effect on the environment
Key Concepts	<ul style="list-style-type: none"> - Form - Function - Connection - Responsibility 	<ul style="list-style-type: none"> - Form - Function - Change 	<ul style="list-style-type: none"> - Form - Causation - Reflection 	<ul style="list-style-type: none"> - Form - Function - Causation - Connection 	<ul style="list-style-type: none"> - Form - Function - Responsibility 	<ul style="list-style-type: none"> - Form - Responsibility - Reflection
Related Concepts	properties, systems, interdependence.	properties, similarities,	tradition, values, cultures, beliefs,	properties, structure, behaviour,	properties, differences.	properties, similarities,

		differences, adaptation, growth.	diversity.	consequences, cause and effect.		differences, adaptations
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PYP 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	The choices people make affect their health and well being.	Exploration leads to discoveries, opportunities and new understandings.	Through the arts people use different forms of expression to convey their uniqueness as human beings.	Natural materials can undergo changes that may provide challenges and benefits for society and the environment.	Rights and responsibilities are a human made concept and are connected.	When interacting with natural habitats, humans make choice that have an impact on other living things.
Lines of Inquiry	<ul style="list-style-type: none"> - What it means to have a balanced lifestyle - How the choices we make affect our health - Different sources of information that help us make choices 	<ul style="list-style-type: none"> - Reasons for exploration (historical and personal) - How explorations have taken place over time - The consequences of exploration 	<ul style="list-style-type: none"> - The diverse ways in which people express themselves - How everyone can express their uniqueness through the arts - The role of the arts in culture and society 	<ul style="list-style-type: none"> - Materials can exist in different states - Conditions that cause reversible and irreversible changes in materials - How societies take advantage of the properties of materials 	<ul style="list-style-type: none"> - Rights and responsibilities are connected - Children’s rights and responsibilities locally and globally - Ways in which individuals, organizations and nations work to ensure children’s rights 	<ul style="list-style-type: none"> - Human impact on natural habitats - Living things respond to changing environmental conditions - Rights and responsibilities when interacting with natural habitats
Key Concepts	<ul style="list-style-type: none"> - Causation - Responsibility - Reflection 	<ul style="list-style-type: none"> - Form - Causation - Perspective 	<ul style="list-style-type: none"> - Form - Function - Perspective 	<ul style="list-style-type: none"> - Form - Change - Connection 	<ul style="list-style-type: none"> - Form - Causation - Responsibility 	<ul style="list-style-type: none"> - Causation - Change - Responsibility

Related Concepts	consequences, initiative, review.	properties, consequence, opinion	properties, communication, opinion.	properties, transformation, independence.	similarities and differences, consequences, rights.	impact, adaptation, conservation.

PYP 4

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
	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.
Central Idea	The effective interactions between human body systems contribute to health and survival.	Evidence of past civilizations can be used to make connections to present-day societies.	Throughout history, people have interacted with each other and communicated using arts.	Physical forces can impact upon our environment.	New digital media changes the way in which people access information and connect to each other.	The sharing of the Earth's resources can lead to conflicts.
Lines of Inquiry	<ul style="list-style-type: none"> - Body systems and how they work - How body systems are interdependent - Impact of lifestyle choices on the body 	<ul style="list-style-type: none"> - Characteristics of civilizations and societies - Connections between past and present - Implications for the future 	<ul style="list-style-type: none"> - How people communicate through arts - How art works provide insight and information - The role of arts in different cultures, places and times - Development of art forms over time 	<ul style="list-style-type: none"> - The importance of physical forces - How physical forces can be seen - How scientific knowledge evolved through time 	<ul style="list-style-type: none"> - How new digital media is used or organized - Evaluating information - Our responsibility in virtual environments 	<ul style="list-style-type: none"> - Earth's finite and infinite resources - Importance of and access to resources - Our responsibility to share the planet's resources

Key Concepts	<ul style="list-style-type: none"> - Causation - Connection - Responsibility 	<ul style="list-style-type: none"> - Form - Change - Connection 	<ul style="list-style-type: none"> - Change - Connection - Perspective 	<ul style="list-style-type: none"> - Causation - Connection - Reflection 	<ul style="list-style-type: none"> - Function - Causation - Connection 	<ul style="list-style-type: none"> - Form - Perspective - Responsibility
Related Concepts	consequences, impact, systems, interdependence.	similarities and differences, progress relationships and impact.	aesthetics, metaphor.	consequences, impact, evidence	networks, access, ethics, platform.	properties, peace, reconciliation, exploitation.

PYP 5

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
	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.
Central Idea	The way families observe life changes and celebrations reflects the beliefs and culture of their community.	Space research continues to enhance our knowledge about the universe and impacts our lives.	Creating and responding to art develops understanding of ourselves and the world around us.	Photosynthetic organisms sustain life on Earth.	Economic activity relies on systems of production, exchange and consumption of goods and services.	Students will carry out an extended, collaborative inquiry project - the exhibition. Students will identify, investigate and offer solutions to real-life issues. Central ideas and lines of inquiry will be defined by the students to meet the different issues.
Lines of Inquiry	<ul style="list-style-type: none"> - What constitutes cultures - How people use different experiences to inform their perspectives 	<ul style="list-style-type: none"> - Composition of the Solar System - Space technology and exploration - Impact of space research in daily life 	<ul style="list-style-type: none"> - How arts can be a reflection of societal values and issues - The contexts in which artworks were created 	<ul style="list-style-type: none"> - Characteristics of photosynthetic organisms - The importance of photosynthetic organisms 	<ul style="list-style-type: none"> - The role of supply and demand - The distribution of goods and services - Our responsibility as consumers 	<ul style="list-style-type: none"> - Will be developed to meet the research topic

	- The connections between beliefs and values, and the actions taken in response to them		- How learning about arts develops appreciation - Personal preference in appreciation of arts	- Ways in which organisms are interconnected in nature		
Key Concepts	- Form - Connection - Perspective	- Form - Change - Connection	- Function - Perspective - Reflection	- Function - Causation - Connection	- Function - Connection - Responsibility	Will be developed to meet the research topic
Related Concepts	interpretation, identity, subjectivity.	properties, exploration, progress.	creativity, perception, bias/interpretation.	biodiversity, interdependence, relationships.	interdependence, inequity, fair trade.	Will be developed to meet the research topic