HORIZONTAL AND VERTICAL PLANNER 2021-2022

Grade Level: P6

Duratiion	Jan 3– Feb 25 UOI No 4	16 Aug – 17 Sep UOI No 1	Sep 22 - Nov 5 UOI No 2	Apr 25 – Jun 17 UOI No 6	Nov 8 - Dec 17 UOI No 3	Feb 28 – April 15 UOI No 5 (start Nov1)
Transdisciplinary Unit	PSPE	Performing Arts	Visual Arts	Mandarin		PYPX
Transdisciplinary Theme	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	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	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 ourselves 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.	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
Central Idea	Personal, Social, and Emotional Changes/Wellbeing. By balancing lifestyle, people contribute to their well - being.	Migration Stories of migration build understanding of people's challenges and opportunities.	Ecosystem Biodiversity relies on maintaining the balance of living organisms within ecosystems.	Advances in technology shape the way the world perceives development.	Government System Government systems determine different communities in the society.	EXHIBITION
Key Concepts	Form - What is it like? Connection - How is it linked to other things?	Causation - Why is it as it is? Perspective - What are the points of view? Responsibility - What are our obligations?	Form - What is it like? Change - How is it transforming? Connection - How is it linked to other things?	Change - How is it transforming? Causation - Why is it as it is? Responsibility - What are our obligations?	Causation- Why is it as it is? Connection - How is it linked to other things? Perspective - What are the points of view?	

	Function - How does it work?					
Related Concepts	health, interaction, puberty	Interpretation, contribution, settlement	interdependence, habitat, sustainability	Invention, advances, ingenuity	Citizenship, systems, leadership	
Lines of Inquiry	1.Factors that affect our personal, physical, emotional and social well - being. 2. Physical and emotional changes affect social interactions. 3. Strategies for coping with change.	The reasons why people migrate. Migration throughout history. Personal and social contributions of migration on communities and cultures.	Elements of ecosystems. Factors that affect the balance of ecosystems. Our responsibility in sustaining our ecosystems.	1. What leads to technological advances. 2. How people use technology. 3. How ingenuity can help solve problems.	How government systems function. Impact of leadership on society. How citizens can contribute and monitor actions of their government.	
Discipline Focus	Science PSPE, Language and Mathematics	Social Studies, Language, Mathematics Performing Arts	Science, Language, Mathematics, Visual Arts	Science, Language, Math, Mandarin	Social Studies, , Language, Mathematics	
Learner Profile Attributes	Balanced Caring	Principled Knowledgeable	Inquirer Communicator	Risk taker Thinker	Open minded Reflective	
Teacher Questions and Provocations	What are the factors that affect you the most physically and emotionally? (factual) Do you feel the factors mentioned above will continue to be of equal importance in a different time in	Why do people leave their homes? (factual) What are some strategies used to resolve conflicts arising in a diverse setting? (conceptual) Does migration result in truly multi-cultural third	What are the things that you relate to when you think of interdependence? (factual) How do environmental changes affect you? (Conceptual)	How does technology help to expand our scientific understanding? (Conceptual) What are some latest advances in scientific knowledge? (Factual) What are the effects of technology on people and environment? (debatable)	How do structures work in a society? (Conceptual) What are some structures that we can identify in the society? (factual) What are the most important skills which help creating a system in any society? (debatable)	

	your life or at a different place? (conceptual) How would you define "Responsible choices" keeping in mind your own body and mind? (debatable)	-culture kids/ adults? (debatable)	What effects does human development have on environment? (Debatable)			
Approaches to Learning- ATLs	Self-management skills: Healthy lifestyle, Informed choices, Safety Communication Skills: Listening, Viewing	Social skills: Adopting a variety of roles Resolving conflict Thinking Skills: Application of knowledge Application	Research skills: Planning, Presenting research findings Communication skills: Writing, Speaking	Research skills: Planning, Organizing data, Interpreting data Communication skills: Speaking, Presenting	Thinking skills: Analysis Synthesis Dialectical thought Meta-cognition Social Skills: Cooperating, Accepting responsibility	
PSPE SEL	A1.1 apply skills that help them identify and manage emotions as they participate in learning experiences, in order to improve their ability to express their own feelings and understand and respond to the feelings of others. A1.2 apply skills that help them to recognize sources of stress and to cope with challenges,	A1.4 apply skills that help them build relationships, develop empathy, and communicate with others as they participate in learning experiences, in order to support healthy relationships, a sense of belonging, and respect for diversity. A1.5 apply skills that help them develop self-awareness and self-confidence as they participate in learning experiences, in order to support the development of a sense				

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	including help-	of identity and a sense				
	seeking	of belonging.				
	behaviours, as they					
	participate in					
	learning					
	experiences, in					
	order to support the					
	development of					
	personal resilience.					
	A1.3 apply skills					
	that help them					
	develop habits of					
	mind that support					
	positive motivation					
	and perseverance					
	as they participate					
	in learning					
	experiences, in					
	order to promote a					
	sense of optimism					
	and hope.					
Science	1.1 assess the	Not applicable	3.2 demonstrate an	Overall Expectations	Not applicable	
00.01.00	effects of social	110t applicable	understanding of food	assess the importance	1 tot applicable	
	and environmental		chains as systems in	of form, function,		
	factors on human		which energy from the	strength, and		
	health, and		sun is transferred to	stability in structures		
	propose ways in		producers (plants) and	through time;		
	which individuals		then to consumers	Learning Outcomes		
	can reduce the		(animals)	2.1 follow established		
	harmful effects of		(ariiriais)	safety procedures		
	these factors and		3.4 demonstrate an			
			understanding of a	during science and		
	take advantage of those that are		community as a group of	technology		
	those that are beneficial		interacting species	investigations		
			sharing a common	2.5 use appropriate		
	2.2 use scientific		habitat	science and		
	inquiry/experimenta		Tidolicat .	technology		
	tion skills to		3.7 describe structural	vocabulary, in oral		
	investigate		adaptations that allow	and written		
	changes in body		plants and animals to	communication		
	systems, as a			2.4 use technological		
	result of physical			problem-solving		

	activity 3.3 identify interrelationships between body systems	survive in specific habitats 1.2 assess the impact of different human activities on plants, and list personal actions they can engage in to minimize harmful effects and enhance good effects 3.6 describe ways in which plants and animals depend on each other	skills, and knowledge acquired from previous investigations, to design, build, and test a structure for a speciVc purpose	
PSPE/Human development and sexual health/mental health literacy	D1.1 identify trusted people that can assist with injury prevention, emotional distress, emergencies, bullying, non- consensual photo sharing and other non-consensual behaviour, and abusive and violent situations. D1.3 identify the parts of the reproductive system, and describe how the body changes during puberty. D2.5 describe emotional and interpersonal stresses related to			

	puberty, recognize signs that could indicate mental health concerns, and identify strategies that they can apply to manage stress, build resilience, keep open communication with family members and caring adults, and enhance their mental health and emotional wellbeing.				
SOCIAL STUDIES		Tradition and heritage		B 1.1 assess the effectiveness of actions	
		3.2 identify some		taken by one or more	
		different groups in their		levels of government to	
		community, and		address an issue of	
		describe some of the		national,	
		ways in which they		provincial/territorial,	
		contribute to diversity		and/or local significance	
		Roles and		B1.3 create a plan of	
		responsibilities		action to address an	
				environmental issue of	
		1.4 describe the impact		local, provincial/	
		that people can have		territorial, and/or	
		on each other in some		national significance	
		different situations and			
		some of the ways in		B3.1 describe the major	
		which interactions		rights and	
		between people can		responsibilities	
		affect a person's sense		associated with	
		of self		citizenship	
	1				

Roles, responsibilities and identity		
2.5 evaluate evidence and draw conclusions about some aspects of the interrelationship between events, people, and/or places in their lives and their own roles, relationships, responsibilities, and identity/sense of self 3.5 demonstrate an understanding that it is interest at the set of the sent and the sent at the set of the sent and the sent at the		
important to treat other people and the environment with respect		

Math	Geometry and Spatial Sense Learning outcomes:	Number Sense and Numeration: Learning Outcomes:	Number Sense and Numeration: Learning Outcomes	Patterning and Algebra Learning Outcomes:	Data Management Learning Outcomes	Measurement Learning outcomes:
Math	E1.1 identify geometric properties of triangles, and construct different types of triangles when given side or angle measurements E1.2 identify and construct congruent triangles, rectangles, and parallelogra ms draw top, front, and side views of objects, and match drawings with objects E1.4 plot and read coordinates in the first quadrant of a Cartesian plane using various scales, and describe the translations that move a point from one coordinate to another	Numeration: Learning Outcomes: B1.1 read, represent, compose, and decompose whole numbers up to and including 100 000, using appropriate tools and strategies, and describe various ways they are used in everyday life B1.2 compare and order whole numbers up to and including 100 000, in various contexts B2.1 use the properties of operations, and the relationships between operations, to solve problems involving whole numbers and decimal numbers, including those requiring more than one operation, and	Numeration: Learning Outcomes B1.3 represent equivalent fractions from halves to twelfths, including improper fractions and mixed numbers, using appropriate tools, in various contexts B1.4 compare and order fractions from halves to twelfths, including improper fractions and mixed numbers, in various contexts B1.5 read, represent, compare, and order decimal numbers up to hundredths, in various contexts B1.6 round decimal numbers to the nearest tenth, in various contexts B1.7 describe relationships and show equivalences among fractions, decimal	•	D1.6 analyse different sets of data presented in various ways, including in stacked-bar graphs and in misleading graphs, by asking and answering questions about the data, challenging preconceived notions, and drawing conclusions, then make convincing arguments and informed decisions D1.5 determine the mean and the median and identify the mode(s), if any, for various data sets involving whole numbers and decimal numbers, and explain what each of these measures indicates about the data D1.3 select from among a variety of graphs, including stacked-bar graphs, the type of graph best suited to represent various sets of data; display the data in	
	E1.5 describe and perform translations, reflections, and rotations up to 180° on a grid, and predict the	check calculations B2.2 recall and demonstrate multiplication facts from 0 × 0 to 12 × 12,	numbers up to hundredths, and whole number B2.3 use mental math strategies to multiply whole numbers by 0.1 and 0.01 and estimate sums and	illustrate relationships among whole numbers and decimal tenths and hundredths C2.1 translate among words, algebraic	the graphs with proper sources, titles, and labels, and appropriate scales; and justify their choice of graphs	estimate the size of other angles E2.5 use the area relationships among rectangles, parallelograms, and

result	Its of these	and related division	differences of decimal	expressions, and	D1.4 create an infographic	triangles to develop
trans	sformations	facts	numbers up to hundredths,	visual representations	about a data set,	the formulas for the
			and explain the strategies	that describe	representing the data in	area of a
		B2.4 represent and	used	equivalent	appropriate ways,	parallelogram and the
		solve problems		relationships	including in relative-	area of a triangle, and
		involving the addition	B2.5 add and subtract		frequency tables and	solve related problems
		and subtraction of	fractions with like	C2.2 evaluate	stacked-bar graphs, and	
		whole numbers that	denominators, in various	algebraic expressions	incorporating any other	E2.6 show that two-
		add up to no more	contexts	that involve whole	relevant information that	dimensional shapes
		than 100 000, and of	Contexts	numbers	helps to tell a story about	with the same area
		decimal numbers up to		Humbers	the data	can have different
		hundredths, using	B2.8 multiply and divide			perimeters, and solve
		appropriate tools,	one-digit whole numbers by	C2.3 solve equations	D1.2 collect data, using	related problems other
		strategies, and	unit fractions, using	that involve whole	appropriate sampling	control structures
		algorithms	appropriate tools and	numbers up to 100 in	techniques as needed, to	
		. J	drawings	various contexts, and	answer questions of	
		D0 0		verify solutions	interest about a	
		B2.6 represent and	B2.9 represent and create		population, and organize	
		solve problems	equivalent ratios and rates,	C2.4 solve inequalities	the data in relative-	
		involving the	using a variety of tools and	that involve one	frequency tables	
		multiplication of two- digit whole numbers	models, in various contexts	operation and whole	, ,	
		by two-digit whole		numbers up to 50, and	D1.1 explain the	
		numbers using the		verify and graph the	importance of various	
		area model and using		solutions	sampling techniques for	
		algorithms, and make			collecting a sample of data	
		connections between		C3.1 solve problems	that is representative of a	
		the two methods		and create	population	
		are two meanods		computational	population	
				representations of		
		B2.7 represent and		mathematical		
		solve problems		situations by writing	Financial Literacy	
		involving the division		and executing code,		
		of three-digit whole		including code that	F1.1 describe several	
		numbers by two-digit		involves conditional	ways money can be	
		whole numbers using		statements and	transferred among	
		the area model and			individuals, organizations,	
		using algorithms, and			and businesses	
		make connections		C3.2 read and alter		
		between the two		existing code,		
		methods, while		including code that		

		expressing any remainder appropriately		involves conditional statements and other control structures, and describe how changes to the code affect the outcomes	F1.2 estimate and calculate the cost of transactions involving multiple items using various strategies F1.3 design sample basic budgets to manage finances for various earning and spending scenarios F1.4 explain the concepts of credit and debt, and describe how financial decisions may be impacted by each F1.5 calculate unit rates for various goods and services, and identify which rates offer the best value F1.6 describe the types of taxes that are collected by the different levels of government and explain how tax revenue is used to provide services in the community.	
Language Transdisciplin	Oral Communication	Reading:	Oral Communication:	Oral Communication:	Reading:	Oral Communication:
ary	Listening:	Understanding Form and Style:	Listening to understand:	Reflecting on oral	Reading for meaning:	Listening:
	1.1 identify a range of ourposes for listening in	2.2 identify a variety of organizational patterns	1.6 extend understanding of oral texts by connecting the ideas in them to their own	communication skills and strategies:	1.9 identify the point of view presented in texts, ask questions to identify	1.3 identify a variety of listening comprehension

a variety of situations, ormal and informal, and set goals related to specific listening tasks

Speaking:

2.1 Identify a variety of purposes for speaking

Reading for meaning:

- 1.4 demonstrate understanding of a variety of texts by summarizing important ideas and citing supporting details
- 1.5 use stated and implied ideas in texts to make inferences and construct meaning

Writing: Developing and Organizing Content

- 1.1 identify the topic, purpose, and audience for a variety of writing forms
- 1.4 sort and classify ideas and information for their writing in a variety of ways

in a range of texts and explain how they help readers understand the texts

Using knowledge of form and style in writing:

2.4 vary sentence types and structures, with a focus on using conjunctions to connect ideas, and pronouns to make links within and between sentences 2.6 identify elements of their writing that need improvement, using feedback from the teacher and peers, with a focus on specific features

Speaking to communicate:

2.8 produce revised, draft pieces of writing to meet identified criteria based on the expectations related to content, organization, style, and use of conventions

Listening to understand:

1.4 demonstrate an understanding of the

knowledge, experience, and insights; to other texts, including print and visual texts; and to the world around them

Speaking to communicate:

2.6 identify a variety of nonverbal cues, including facial expression, gestures, and eye contact, and use them in oral communications, appropriately and with sensitivity towards cultural differences, to help convey their meaning

Reflecting on Oral communication and strategies:

3.1 identify, in conversation with the teacher and peers, what strategies they found most helpful before, during, and after listening and speaking and what steps they can take to improve their oral communication skills

Reading with fluency:

3.3 read appropriate texts with expression and confidence, adjusting reading strategies and reading rate to match the form and purpose

3.2 identify, in conversation with the teacher and peers, how their skills as viewers, representers, readers, and writers help them improve their oral communication skills

Reading for meaning:

- 1.7 analyse texts and explain how various elements in them contribute to meaning
- 1.8 make judgements and draw conclusions about the ideas and information in texts and cite stated or implied evidence from the text to support their views

Writing: Developing and organizing content:

1.5 identify and order main ideas and supporting details and group them into units that could be used to develop several linked paragraphs, using a variety of strategies and organizational patterns

missing or possible alternative points of view, and suggest some possible alternative perspectives

Understanding form and style:

- 2.3 identify a variety of text features and explain how they help readers understand texts
- 2.4 identify various elements of style including word choice and the use of similes, personification, comparative adjectives, and sentences of different types, lengths, and structures and explain how they help communicate meaning

Writing: Developing and organizing content:

1.6 determine whether the ideas and information they have gathered are relevant, appropriate, and adequate for the purpose, and do more research if necessary

Using knowledge of form and style:

strategies and use them appropriately before, during, and after listening in order to understand and clarify the meaning of oral texts

Speaking:

2.4 use appropriate words and phrases from the full range of their vocabulary, including inclusive and non-discriminatory language, and stylistic devices suited to the purpose, to communicate their meaning accurately and engage the interest of their audience

Reading:

- 1.1 read a variety of texts from diverse cultures, including literary texts, graphic texts, and informational texts
- 1.2 identify a variety of purposes for reading and choose reading materials appropriate for those purposes

			focus on modifying language and tone to suit different circumstances or audiences 2.3 use some vivid and/or figurative language and innovative expressions to add interest 3. Applying Knowledge of Language Conventions and Presenting Written Work Effectively: 3.4 use punctuation appropriately to help communicate their intended meaning, with a focus on the use of: a comma before and or but in compound sentences to join principal clauses; quotation marks for direct speech; and the placement of commas, question marks, and exclamation marks in direct speech
			inside quotation marks

Media Literacy (Language	Understanding Media Forms, Conventions, and Techniques:	Understanding media forms, Conventions and	Understanding media texts:	Reflecting on media literacy skills and strategies:	Understanding Media texts:	Understanding media text:
learning outcomes/ skills)	2.1 describe in detail the main elements of some media forms Creating Media text: 3.3 identify conventions and techniques appropriate to the form chosen for a media text they plan to create, and explain how they will use the conventions and techniques to help communicate their message	techniques: 2.2 identify the conventions and techniques used in some familiar media forms and explain how they help convey meaning and influence or engage the audience Reflecting on Media Literacy Skills and Strategies: 4.1 identify, with some support and direction, what strategies they found most helpful in making sense of and creating media texts, and explain how these and other strategies can help them improve as media viewers/listeners/prod ucers	1.1 identify the purpose and audience for a variety of media texts. 1.2 use overt and implied messages to draw inferences and construct meaning in media texts Creating media text: 3.1 describe in detail the topic, purpose, and audience for media texts they plan to create 3.2 identify an appropriate form to suit the specific purpose and audience for a media text they plan to create, and explain why it is an appropriate choice	4.2 explain, with some support and direction, how their skills in listening, speaking, reading, and writing help them to make sense of and produce media texts Creating Media texts: 3.4 produce a variety of media texts for specific purposes and audiences, using appropriate forms, conventions, and techniques	1.3 express opinions about ideas, issues, and/or experiences presented in media texts, and give evidence from the texts to support their opinions 1.4 explain why different audiences might respond differently to the same media text 3.1 describe in detail the topic, purpose, and audience for media texts they plan to create 3.2 identify an appropriate form to suit the specific purpose and audience for a media text they plan to create, and explain why it is an appropriate choice	1.3 express opinions about ideas, issues, and/or experiences presented in media texts, and give evidence from the texts to support their opinions 1.4 explain why different audiences might respond differently to the same media text 1.5 identify whose point of view is presented or reflected in a media text, ask questions to identify missing or alternative points of view, and, where appropriate, suggest how a more balanced view might be represented