## HORIZONTAL AND VERTICAL PLANNER 2024 – 2025

Grade Level: Primary 4

	Recount		Rese Rep	Pers	sc re	
Duration	19 <sup>th</sup> Aug11 <sup>th</sup> Oct.	12th May-20th June	25 <sup>th</sup> Nov24 <sup>th</sup> Jan.	10 <sup>th</sup> Febr21 <sup>st</sup> Mar.	24 <sup>th</sup> Mar9 <sup>th</sup> May	14th Oct22nd Nov.
	informational text	science experiment report Informational text	persuasive writing	energy audit report/case study	narrative-biography	science report/instructional writing-planting a seed
Transdisciplinary	VA	MS		PSPE	PA	MAN
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	How we organize ourselves An inquiry into the interconnectedness of human-made systems and communities; the structure and function of organizations; societal decisionmaking; economic activities and their impact on humankind and the environment.	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 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	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
Central Idea:	Rights & Responsibilities  Children worldwide have rights and responsibilities that should be protected.	Light and Sound  Light and sound help us experience our world.	Media Literacy  We use media to connect and communicate with others.	Energy  Energy can be changed, and used in various ways.	Writing  We can express our feelings, beliefs, and values through writing.	Needs & Characteristics of Plants & Animals  Plants and animals have specific adaptations to help them survive in their environment.

Key Concepts:	Function – How does it work?  Connection – How is it linked to other things?  Responsibility – What are our obligations?	Form – What is it like?  Connection – How is it linked to other things?  Perspective – What are the points of view?	Form – What is it like?  Responsibility- What are our obligations?  Function – How does it work?	Form – What is it like?  Change – How is it transforming?  Responsibility – What are our obligations?	Form – What is it like?  Function – How does it work?  Connection – How is it linked to other things?	Causation – Why is it like it is?  Change – How is it transforming?  Responsibility – What are our obligations?
Related Concepts:	Rights, Responsibilities, Equality	Properties Manipulation Waves	Social Media Expression, Conventions, Techniques	Sustainability, Properties	Voice, Text Structure, Conventions	Characteristics, Needs, Living things
Lines of Inquiry:	<ol> <li>Rights and responsibilities of children.</li> <li>Children's roles in their community.</li> <li>3.How we protect ourselves.</li> </ol>	<ol> <li>Properties of light and sound</li> <li>How light and sound works</li> <li>Using light and sound to help others.</li> </ol>	<ol> <li>Media forms and techniques.</li> <li>Responsible use of social media.</li> <li>Use media techniques to communicate.</li> </ol>	<ol> <li>Different energy sources. (Renewable and non-renewable)</li> <li>Uses of energy.</li> <li>Sustainable energy practices.</li> </ol>	<ol> <li>Structural features of texts.</li> <li>Purposes of different texts.</li> <li>Sharing our experiences through writing.</li> </ol>	<ol> <li>Characteristics of plants and animals.</li> <li>How plants adapt to suit their environment.</li> <li>What can be done to help plants and animals survive.</li> </ol>
Discipline focus: Teacher questions & provocations	SS Lang Math  What are your roles at XLIS, at home, etc.?  What are your responsibilities at XLIS, at home?  What rights do you have as a child at home, a student at school?  Who keeps you safe and how?	Science Math Lang Man What is light and sound? What are the properties of light and sound? How does light and sound work? How can light and sound help others?	Media Lit SS Math What is media? What are the different forms of media? What techniques we use in media to communicate?	Si PSPE MS Lang  How do we use energy?  What are the ways energy could be saved?  How does the way we use energy impact us and our planet?	Lang SS PA  Why did the author choose this type of story? What are some details the author uses to develop and support the story? How is the story structured (beginning, middle, end)? What patterns do you notice in the story?	Scie Lang Math VA What are the basic needs of plants and animals? How are these needs met? How might plants/animals adapt/change in order to survive?

Approaches to Learning (ATLs)	Social Skills SS1.1.5 Be respectful to others. SS1.1.7 Learn cooperatively in a group: being courteous, sharing, taking turns. Communication Skills C1.1.6 Listen actively and respectfully while others speak.	Research Skills R1.2.4 Gather information from a variety of primary and secondary sources. R1.3.3 Sort and categorize information: arrange information into understandable forms such as narratives, explanatory and procedural writing, tables, timelines,graphs and diagrams. Communication Skills C2.1.2 Read critically and for comprehension.	Self-Management Skills SM2.3.2 Use strategies to prevent and eliminate bullying.  SM2.3.4 Manage anger and resolve conflict. Communication Skills C1.2.2 Understand the ways in which images and language interact to convey ideas.	Thinking Skills T3.7 Combine knowledge, conceptual understandings and skills to create products or solutions. Social Skills SS1.1.9 Build consensus and negotiate effectively.  SS1.1.12 Take on a variety of roles in group learning.	Communication Skills C2.2.1 Use appropriate forms of writing for different purposes and audiences.  C2.2.5 Organize information logically.  Thinking Skills T2.2.7 Consider multiple alternatives, including those that might be unlikely or impossible.	Research Skills R1.2.6 Record observations by drawing, note taking, charting, tallying, writing statements, annotating images.  R1.4.4 Draw conclusions from relationships and patterns that emerge from data. Thinking Skills T3.6 Transfer conceptual understandings across transdisciplinary themes and subjects.
Learner Profile Attributes	Caring, Open minded	Thinker, Risk takers	Communicator, Reflective	Principled, Balanced	Communicator, Reflective	Inquirer, Knowledgeable
Assessable Language	ORAL COMMUNICATION READING	ORAL COMMUNICATION	ORAL COMMUNICATION  2.1 identify a variety of	ORAL COMMUNICATION  2.4 choose a variety	ORAL COMMUNICATION READING	ORAL COMMUNICATION READING
	1.1 read a variety of literary texts, graphic texts, and informational texts. 1.2 identify a variety of purposes for reading and choose reading materials appropriate for those purposes.	1. Listening to Understand 1.1 identify purposes for listening in a variety of situations, formal and informal, and set personal goals related to listening tasks.  1.2 demonstrate an	purposes for speaking.  2.3 communicate orally in a clear, coherent manner, presenting ideas, opinions, and information in a logical sequence.	of appropriate words and phrases, including descriptive words and some technical vocabulary, and a few elements of style, to communicate their meaning accurately and engage the interest of their audience.	2. Understanding Form and Style  2.1 identify and describe the characteristics of a variety of text forms, with a focus on literary texts such as a fable or adventure story,	1.3 identify a variety of reading comprehension strategies and use them appropriately before, during, and after reading to understand texts.  1.4 demonstrate
	3.1 automatically read and understand most high-frequency	understanding of appropriate listening behaviour by using	Media Literacy	2.7 use a variety of appropriate visual aids	graphic texts such as a comic book, and informational texts	understanding of a variety of texts by identifying important

words, many	active listening	1. Understanding	to support or enhance	such as a nature	ideas and some
regularly used	strategies in	Media Texts	oral presentations.	magazine.	supporting details.
words, and words of				-	
personal interest or	order to contribute				WRITING
significance, in a	meaningfully and work	1.1 identify the	READING	WRITING	
variety of reading	constructively in groups.	purpose and intended			2.7 make revisions to
contexts.		audience of some	2.2 recognize a few		improve the content,
	1.3 identify a variety of	media texts.	organizational	1.1 identify the topic,	clarity, and interest of
	listening comprehension		patterns in texts of	purpose, audience,	their written work,
3.2 predict the	strategies and use them		different types and	and form for writing.	using several types of
meaning of and	appropriately before,	1.3 express personal	explain how the	1.2 generate ideas	strategies.
rapidly solve unfamiliar words	during, and after	opinions about ideas	patterns help readers	about a potential topic,	
using different types	listening in order to	presented in media	understand the texts.	using a variety of	2.8 produce revised,
of cues, including: •	understand and clarify	texts.		strategies and	draft pieces of writing
semantic (meaning)	the meaning of oral texts.		2.3 identify a variety of	resources. 1.3 gather information	to meet identified
cues; • syntactic	lexis.	4 4 1	text features and	to support ideas for	criteria based on the
(language structure)	1 1 domestrate as	1.4 describe how different audiences	explain how they help readers understand	writing in a variety of	expectations related
cues; •	1.4 demonstrate an understanding of the	might respond to	readers understand texts.	ways and/or from a	to content, organization, style,
graphophonic	information and ideas in	specific media texts.	lexis.	variety of sources.	and use of
(phonological and	a variety of oral texts by	specific friedia texts.	2.4 identify some		conventions.
graphic) cues.	identifying important	2. Understanding	2.4 identify some elements of style,	1.4 sort ideas and	conventione.
	information or ideas and	Media Forms,	including voice, word	information for their	3.5 use parts of
3.5 use parts of	some supporting details.	Conventions, and	choice, and different	writing in a variety of	speech appropriately
speech appropriately	•	Techniques	types of sentences,	ways.	to communicate their
to communicate their			and explain how they		meaning clearly, with
meaning clearly,	READING	2.1 identify elements	help readers	2.1 write short texts	a focus on the use of:
with a focus on the		and characteristics of	understand texts.	using a variety of	verbs in the present
use of: proper nouns for tiles, the	3.3 read appropriate	some media forms.		forms,	tense.
possessive	texts at a sufficient rate		3.5 use parts of		
pronouns my, mine,	and with sufficient	2.2 identify the	speech appropriately	2.4 vary sentence	
your, yours, his, her,	expression to convey	conventions and	to communicate their	structures and	
hers, its.	the sense of the text	techniques used in	meaning clearly, with	maintain continuity by	
,	readily to the reader and	some familiar media	a focus on the use of:;	using joining words to	
	an audience.	forms and explain how	adjectives	combine simple	
WRITING		they help convey		sentences and using	
	3.5 use parts of speech	meaning.	WRITING	words that indicate time and sequence to	
1.5 identify and	appropriately to			link sentences.	
order main ideas	communicate their		2.2 establish a	min scrittings.	
	meaning clearly, with a		personal voice in their		

and supporting
details into units tha
could be used to
develop a short,
simple paragraph,
using graphic
organizers and
organizational
patterns.

1.6 determine whether the ideas and information they have gathered are relevant and adequate for the purpose, and gather new material if necessary.

focus on the use of: simple past tense.

## **WRITING**

3.8 produce pieces of published work to meet identified criteria based on the expectations related to content, organization, style, use of conventions, and use of presentation strategies.

- 3. Creating Media Texts
- 3.1 identify 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.
- 3.3 identify conventions and techniques appropriate to the form chosen for a media text they plan to create.
- 3.4 produce media texts for specific purposes and audiences, using a few simple media forms and appropriate conventions and techniques.
- 3.5 use parts of speech appropriately to communicate their meaning clearly, with a focus on the use of: question words.

- writing, with a focus on using concrete words and images to convey their attitude or feeling towards the subject or audience.
- 2.3 use words and phrases that will help convey their meaning as specifically as possible.
- 3.5 use parts of speech appropriately to communicate their meaning clearly, with a focus on the use of: adjectives.
- 3.4 use punctuation to help communicate their intended meaning, with a focus on the use of: quotation marks to indicate direct speech; commas to mark grammatical boundaries within sentences; capital letters and final punctuation to mark the beginning and end of sentences.
- 3.5 use parts of speech appropriately to communicate their meaning clearly, with a focus on the use of: adverbs. (we can do adjectivesfor narrative writing students will use a lot of adjectives for characters traits)

Language -						
Yearlong						
Mathematics -	Financial Literacy	Properties and	Data Collection and	Geometry	Measurement	Probability
Reported		Relationships	Organization	_		-
	F1.1 estimate and			E1.1 sort, construct,	E2.1 use appropriate	C1.1 identify and
	calculate the change	B2.1 use the properties	D1.1 sort sets of data	and identify cubes,	units of length to	describe repeating
	required for various	of operations, and the	about people or things	prisms, pyramids,	estimate, measure,	elements and
	simple cash	relationships between	according to two and	cylinders, and cones	and compare the	operations in a variety
	transactions	multiplication and	three attributes, using	by comparing their	perimeters of	of patterns, including
	involving whole	division, to solve	tables and logic	faces, edges, vertices,	polygons and curved	patterns found in real-
	amounts and	problems and check	diagrams,	and angles	shapes, and construct	life contexts
	amounts of less than	calculations.	Including Venn,	<b>54.0</b>	polygons with a given	04.0
	one	DO O secoll and	Carroll, and tree	E1.2 compose and	perimeter	C1.2 create and
		B2.2 recall and	diagrams, as	decompose various	E2.2 explain the	translate patterns that
		demonstrate multiplication facts of	appropriate	structures, and identify the two-	relationships between millimetres,	have repeating elements.
		2,5, and 10, and related	D1.2 collect data	dimensional shapes	centimetres, metres,	movements, or
		division facts .	through observations,	and three-dimensional	and kilometres as	operations using
		division lacts .	experiments, and	objects that these	metric units of length,	various representati
		Properties and	interviews to answer	structures contain	and use benchmarks	ons, including shapes,
		Relationships	questions of interest		for these units to	numbers, and tables
			that focus on	E1.3 identify	estimate lengths	of values
		B2.6 represent	qualitative	congruent lengths,	E2.3 use non-	
			and quantitative data,	angles, and faces of	standard units	C1.3 determine
		multiplication of	and organize the data	three-dimensional	appropriately to	pattern rules and use
			using frequency tables	objects by mentally	estimate, measure,	them to extend
		numbers up to 10x10		and physically	and compare capacity,	patterns, make and
			Data Visualization	matching them, and	and explain the effect	justify predictions, and
		and division up to	D4 0 divide a stant	determine if the	that overfilling or	identify missing
		100/10, using a variety	D1.3 display sets of	objects are congruent	underfilling, and gaps	elements in patterns
		of tools and drawings, including arrays	data, using many-to-one	Measurement (Area)	between units, have on accuracy	that have repeating elements,
		including arrays	correspondence, in	Measurement (Area)	E2.4 compare,	movements, or
		B2.7 represent and	pictographs and bar	E2.7 compare the	estimate, and	operations
		solve problems	graphs with proper	areas of two-	measure the mass of	οροιαιίστιο
		involving multiplication	sources, titles, and	dimensional shapes	various objects, using	C1.4 create and
		and division, including	labels, and	by matching, covering,	a pan balance and	describe patterns to
		problems that involve	appropriate scales	or decomposing and	nonstandard units.	illustrate relationships
		groups of one half, one	1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	recomposing the	E2.5 use various units	among whole
		fourth, and one third,	Data Analysis	shapes, and	of different sizes to	numbers up to 1000

		using tools and drawings	D1.4 determine the mean and identify the mode(s), if any, for various data sets involving whole numbers, and explain what each of these measures indicates about the data  D1.5 analyse different data sets presented in various ways, including in frequency tables and in graphs with different scales, by asking and answering questions about the data and drawing conclusions, then make convincing arguments and informed decisions  Location and Movement  E1.4 give and follow multistep instructions involving movement from one location to another, including distances and half-and quarter-turns	demonstrate that different shapes can have the same area  E2.8 use appropriate nonstandard units to measure area, and explain the effect that gaps and overlaps have on accuracy  E2.9 use square centimetres (cm2) and square metres (m2) to estimate, measure, and compare the areas of various two-dimensional shapes, including those with curved sides  Variables  C2.1 describe how variables are used, and use them in various contexts as appropriate	measure the same attribute of a given item, and demonstrate that even though using different-sized units produces a different count, the size of the attribute remains the same E2.6 use analog and digital clocks and timers to tell time in hours, minutes, and seconds  B2.9 use the ratios of 1 to 2, 1 to 5, and 1 to 10 to scale up numbers and to solve problems (haven't been taught)	D2.1 use mathematical language, including the terms "impossible", "unlikely", "equally likely", "likely", and "certain", to describe the likelihood of events happening, and use that likelihood to make predictions and informed decisions  D2.2 make and test predictions about the likelihood that the mean and the mode(s) of a data set will be the same for data collected from different populations
			distances and half- and quarter-turns			
Math Stand- alone	Number (SA)  B1.1 read, represent, compose, and decompose whole numbers up to	Fractions and operations (SA)  B1.6 use drawings to represent, solve, and	Equalities and Inequalities  C2.2 determine whether			

	ncluding 1000,	compare the results of	given sets of addition,		
using	a variety of	fair-share problems that	subtraction,		
tools a	and strategies,	involve sharing up to 20	multiplication, and		
and do	describe various	items among 2, 3, 4, 5,	division expressions		
ways	they are used	6,	are equivalent or not		
	eryday life.	8, and 10 sharers,	•		
	, ,	including problems that	C2.3 identify and use		
B1.2 d	compare and	result in whole numbers,	equivalent		
	· whole	mixed numbers, and	relationships		
numbe	pers up to and	fractional amounts	for whole numbers up		
	ding 1000, in		to 1000, in various		
	us contexts	B1.7 represent and	contexts		
l lanea		solve	Comonio		
R1 4 a	count to 1000,	fair-share problems that			
	ding by 50s,	focus on determining			
	, and 200s,	and			
	a variety of	using equivalent			
	and strategies	fractions,			
10013	and strategies	including problems that			
R1 5 I	use place value	involve halves, fourths,			
	describing and	and eighths; thirds and			
	senting multi-	sixths; and fifths and			
		tenths.			
	ty of ways,	teritris.			
	ding with base	B2.8 represent the			
	naterials	connection between the			
	demonstrate an	numerator of a fraction			
	rstanding of	and the repeated			
	ithms for	addition of the unit			
	ng and	fraction with the same			
	acting whole	denominator using various tools and			
	pers by making ections to and				
		drawings and standard			
	ribing the way	fractional notation.			
	tools and				
	egies are used				
to add	d and subtract				
	represent and				
	problems				
involv involv	ving the				

	addition and subtraction of whole numbers that add up to no more than 1000, using various tools and algorithms				
Mathematics -					
Science		Specific expectations: Relating science and technology to society and the environment:  1.1 assess the impacts on personal safety of devices that apply the properties of light and/or sound, and propose ways of using these devices to make our daily activities safer 1.2 assess the impacts on society and the environment of light and/or sound energy produced by different technologies, taking different perspectives into account  Developing investigation and communication skills:		1.1 describe their own and their family's uses of energy, identify ways in which these uses are efficient or wasteful, taking different points of view into consideration, suggest ways to reduce personal energy consumption; and explain why it is important for people to make these choices  1.2 describe how the everyday lives of different people and other living things would be affected if electrical energy were no longer available  3.4 identify everyday uses of various sources of energy  3.5 demonstrate an understanding that humans get the energy resources they	3.1 describe the basic needs of plants, including air, water, light, warmth, and space  3.2 identify the major parts of plants, and describe how each contributes to the plant's survival within the plant's environment.  3.3 describe the changes that different plants undergo in their life cycles  3.4 describe how most plants get energy to live directly from the sun, and how plants help other living things to get energy from the sun.  3.6 describe ways in which plants and animals depend on each other

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		need from the world		
2.1 follow established		around them and that		3.8 identify examples
safety procedures for		the supply of many of		of environmental
protecting eyes and		these resources is		conditions that may
ears		limited so care needs		threaten plant and
Cars		to be taken in how we		animal survival.
		use them		
2.2 investigate the basic		doo thom		3.9 identify positive
properties of light				and negative impacts
				that animals have on
2.3 investigate the basic				humans (society) and
properties of sound				the environment, form
proportion of doding				an opinion about one
2.4 yes to shools sign!				of them, and suggest
2.4 use technological				ways in which the
problem-solving skills to				impact can be
design, build, and test a				minimized or
device that makes use				enhanced.
of the properties				
				3.10 identify positive
of light or sound				and negative impacts
				that different kinds of
2.5 use scientific				human activity have
				on animals and where
inquiry/research skills to				they live, form an
investigate applications				opinion about one of
of the properties of light				them, and suggest
or sound				ways in which the
				impact can be
2.6 use appropriate				minimized or
science and technology				
vocabulary in oral and				enhanced
written communication				
Understanding basic				
_				
concepts:				
3.1 identify a variety of				
natural light sources				

and artificial light		
sources		
3.2 distinguish between		
objects that emit their own light and those that		
reflect light from other		
sources		
3.3 describe properties		
of light, including the following: light travels in		
a straight path; light can		
be absorbed, reflected,		
and refracted		
3.4 describe properties		
of sound, including the		
following: sound travels; sound can be absorbed		
or reflected and can be		
modified		
3.5 explain how vibrations cause sound		
Vibrations cause sound		
3.6 describe how		
different objects and		
materials interact with light and sound energy		
g. it aa count on orgy		
3.7 distinguish between sources of light that give		
off both light and heat		
and those that give off		
light but little or no heat		
3.8 identify devices that		
make use of the		

		properties of light and sound				
Science - Yearlong						
Social Studies	Roles, Relationships and Respect  A3.1 describe some of their own roles, relationships, and responsibilities  A3.2 identify some of the significant people, places, and things in their life, including their life in the community and describe their purpose or the role they have  A3.3 demonstrate an understanding of simple chronology by identifying and organizing chronologically some significant events related to their personal experience  A3.4 identify some elements of respectful behavior that they can		Roles, Responsibilities and Identity  A2.1 formulate questions to guide investigations into 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  A2.2 gather and organize information on significant events, people, and/or places in their lives that contribute or have contributed to the development of their roles, relationships, responsibilities, and identity/sense of self using primary and/or secondary sources that they have located themselves or that have been provided to them.	B1.3 demonstrate an understanding of the importance of sustainability in people's interrelationship with their natural environment and of some of the consequences of sustainable and/or non-sustainable actions	Past and Present Traditions  A2.1 formulate questions to guide investigations into some of the past and present traditions and celebrations in their own family and the communities to which they belong  A2.2 gather and organize information on some of the past and present traditions and celebrations within their family and the community to which they belong, using primary and/or secondary sources that they have gathered themselves or that have been provided to them	

		1004:1			
	practice in their	A2.4 interpret and			
	everyday life and/or	analyze information			
	that other people	relevant to their			
	practice	investigations, using a			
		variety of tools			
	A3.5 demonstrate an understanding that it is important to treat other people and the environment with respect	A2.5 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  A2.6 communicate the results of their inquiries, using appropriate			
		vocabulary			
Social Studies -					
Yearlong					
Social-emotional learning skills	Identification and Management of Emotions*	Positive Motivation and Perseverance*	Stress Management and Coping*	Self-Awareness and Sense of Identity*	
	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	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.	A1.2 apply skills that help them to recognize sources of stress and to cope with challenges, including helpseeking behaviours, as they participate in learning experiences, in order to support the	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 of identity and a sense of belonging.	

ſ	feelings and	development of	
	understand and	personal resilience.	
	respond to the		
	feelings of others.		
	Healthy		
	Relationships*		
	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.		