



Guide to Primary Years Program



Our Mission

Our mission is to provide a high quality education, bringing up inquisitive and knowledgeable, productive learners who are motivated to succeed.

In addition, we aim to nurture internationally minded compassionate young people with intercultural understanding and respect who strive to create a better and more peaceful world.

The objective is to provide the students with the academic and social skills that will help them reach their full potential, enabling them to be open-minded individuals who are able to think critically, and are encouraged to challenge norms and tackle change.

Grade Specific Focus

In the PYP it is understood that children learn through phases, and that different children may be learning at different phases at various stages in their development. Therefore, the grade mentioned with the phase indicate the stage that most instruction will commonly be focused at this grade level, although the other phases may also be addressed. These phases are generally not addressed at this grade level but may be addressed in the context of a particular inquiry or in differentiated instruction for a particular child or children.

Guide to Primary Years Program

Our school is a candidate school with the International Baccalaureate (IB). We intend to prepare the school for authorization to offer the IB Primary Years Programme (PYP). This constitutes the curriculum framework for our school and many other international schools throughout the world.

The Primary Years Programme (PYP), for students aged 3 to 11, focuses on developing the whole child as an inquirer both inside and outside the classroom in order to encourage lifelong learning that is globally minded. It offers a framework that meets children's academic, social, physical, emotional and cultural needs.

The PYP draws on research and best practice from a range of national systems with a wealth of knowledge and experience from international schools to create a relevant, engaging, challenging and significant educational framework for all children.

At the core of the PYP is a commitment to structured inquiry as a means to learn. Six different organizing themes help teachers and students explore understanding throughout the year. Eight conceptual key questions are utilized by the teachers and students to structure their units of inquiry. The development of and learner profile and attitudes and the expectation of socially responsible behaviour as well as action resulting from what we learn, are also key elements of the program.

The IB Learners Profile

The aim of all IB programmes is to develop internationally minded people who, recognizing their common humanity and shared guardianship of the planet, help to create a better and more peaceful world. .- Making the PYP Happen, 2009

Inquirer

They develop their natural curiosity. They acquire the skills necessary to conduct inquiry and research and show independence in learning. They actively enjoy learning and this love of learning will be sustained throughout their lives.

Knowledgeable

They explore concepts, Ideas and issues that have local and global significance. In so doing, they acquire in-depth knowledge and develop understanding across a broad and balanced range of disciplines.

Thinkers

They exercise initiative in applying thinking skills critically and creatively to recognize and approach complex problems, and make reasoned, ethical decisions.

Communicators

They understand and express ideas and information confidently and creatively in more than one language and in a variety of modes of communication. They work effectively and willingly in collaboration with others.

Principled

They act with integrity and honesty, with a strong sense of fairness, justice and respect for the dianity of the individual, groups and communities. They take responsibility for their own actions and the consequences that accompany them.

Open-minded

They understand and appreciate their own cultures and personal histories, and are open to the perspectives, values and traditions of other individuals and communities. They are accustomed to seeking and evaluating a range of points of view, and are willing to grow from the experience.

Caring

They show empathy, compassion and respect towards the needs and feelings of others. They have a personal commitment to service, and act to make a positive difference to the lives of others and to the environment.

Risk-takers

They approach unfamiliar situations and uncertainty with courage and forethought, and have the independence of spirit to explore new roles, ideas and strategies. They are brave and articulate in defending their beliefs.

Balanced

They understand the importance of intellectual, physical and emotional balance to achieve personal well-being for themselves and others.

Reflective

They give thoughtful consideration to their own learning and experience. They are able to assess and understand their strengths and limitations in order to support their learning and personal development.

The Essential Elements

In the PYP a balance is sought between acquisition of essential knowledge and skills, development of conceptual understanding, demonstration of positive attitudes, and taking of responsible action.

Knowledge: what do we want students to know?

Through units of inquiry we focus on significant, relevant content that we wish the students to explore and know about, taking into consideration their prior experience and understanding. The traditional subject areas of language, mathematics, science, social studies, the arts, and personal, social and physical education are important, but most content is embedded into six transdisciplinary themes.

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 & 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 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.

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 relationships within and between them; access to equal opportunities; peace and conflict resolution.

The Essential Elements

Concepts – What do we want students to understand?

Concepts are powerful ideas that have relevance within the subject areas but also transcend them and that students must explore and re-explore in order to develop a coherent, in-depth understanding. The IB has identified eight key concepts that provide structure for and deepen student inquiry.

Form: The understanding that everything has a form with recognizable features that can be observed, identified, described and categorized

Function: The understanding that everything has a purpose, a role or a way of behaving that can be investigated.

Causation: The understanding that things do not just happen, that there are causal relationships at work, and that actions have consequences.

Change: The understanding that change is the process of movement from one state to another. It is universal and inevitable.

Connection: The understanding that we live in a world of interacting systems in which the actions of any individual element affect others.

Perspective: The understanding that knowledge is moderated by perspectives; different perspectives lead to different interpretations, understandings and findings; perspectives may be individual, group, cultural or disciplinary.

Responsibility: The understanding that people make choices based on their understandings, and the actions they take as a result do make a difference.

Reflection: The understanding that there are different ways of knowing, and that it is important to reflect on our conclusions, to consider our methods of reasoning, and the quality and the reliability of the evidence we have considered.

Skills – What do we want students to be able to do?

In order to explore concepts fully it is important to employ a range of skills, both in the subject areas and transdisciplinary skills, that are relevant to many subject areas. The PYP has identified five types of skills that are transdisciplinary. The five categories of skills are thinking skills, social skills, communication skills, research skills and self-management skills.

Thinking skills

Acquisition of knowledge Gaining specific facts, ideas, vocabulary; remembering in a similar form.

Comprehension Grasping meaning from material learned; communicating and interpreting learning.

Application Making use of previously acquired knowledge in practical or new ways.

Analysis Taking knowledge or ideas apart; separating into component parts; seeing relationships; finding unique characteristics.

Synthesis Combining parts to create wholes; creating, designing, developing and innovating.Evaluation Making judgments or decisions based on chosen criteria; standards and conditions.Dialectical thought Thinking about two or more different points of view at the same time;

understanding those points of view; being able to construct an argument for each point of view based on knowledge of the other(s); realizing that other people can also take one's own point of view.

Metacognition Analysing one's own and others' thought processes; thinking about how one thinks and how one learns

Social skills

Accepting responsibility Taking on and completing tasks in an appropriate manner; being willing to assume a share of the responsibility.

Respecting others Listening sensitively to others; making decisions based on fairness and equality; recognizing that others' beliefs, viewpoints, religions and ideas may differ from one's own; stating one's opinion without hurting others.

Cooperating Working cooperatively in a group; being courteous to others; sharing materials; taking turns.

Resolving conflict Listening carefully to others; compromising; reacting reasonably to the situation; accepting responsibility appropriately; being fair.

Group decision- making Listening to others; discussing ideas; asking questions; working towards and obtaining consensus. Adopting a variety of group roles Understanding what behaviour is appropriate in a given situation and acting accordingly; being a leader in some circumstances, a follower in others.

Communication skills

Listening: Listening to directions; listening to others; listening to information.

Speaking: Speaking clearly; giving oral reports to small and large groups; expressing ideas clearly and logically; stating opinions.

Reading: Reading a variety of sources for information and pleasure; comprehending what has been read; making inferences and drawing conclusions.

Writing: Recording information and observations; taking notes and paraphrasing; writing summaries; writing reports; keeping a journal or record.

Viewing: Interpreting and analysing visuals and multimedia; understanding the ways in which images and language interact to convey ideas, values and beliefs; making informed choices about personal viewing experiences.

Presenting: Constructing visuals and multimedia for a range of purposes and audiences; communicating information and ideas through a variety of visual media; using appropriate technology for effective presentation and representation.

Non-verbal communication: Recognizing the meaning of visual and kinesthetic

communication; recognizing and creating signs; interpreting and utilizing symbols.

Respect: Respecting themselves, others and the world around them.

Tolerance: Being sensitive about differences and diversity in the world and being responsive to the needs of others.

Self-management skills

Gross motor skills: Exhibiting skills in which groups of large muscles are used and the factor of strength is primary.

Fine motor skills: Exhibiting skills in which precision in delicate muscle systems is required. **Spatial awareness:** Displaying a sensitivity to the position of objects in relation to oneself or each other.

Organization: Planning and carrying out activities effectively.

Time management: Using time effectively and appropriately.

Safety: Engaging in personal behaviour that avoids placing oneself or others in danger or at risk. **Healthy lifestyle:** Making informed choices to achieve a balance in nutrition, rest, relaxation and exercise; practising appropriate hygiene and self-care.

Codes of behaviour: Knowing and applying appropriate rules or operating procedures of groups of people.

Informed choices: Selecting an appropriate course of action or behaviour based on fact or opinion.

Research skills

Formulating questions: Identifying something one wants or needs to know and asking compelling and relevant questions that can be researched.

Observing: Using all the senses to notice relevant details.

Planning: Developing a course of action; writing an outline; devising ways of finding out necessary information.

Collecting data: Gathering information from a variety of first- and second-hand sources such as maps, surveys, direct observation, books, films, people, museums and ICT.

Recording data: Describing and recording observations by drawing, note taking, making charts, tallying, writing statements.

Organizing data: Sorting and categorizing information; arranging into understandable forms such as narrative descriptions, tables, timelines, graphs and diagrams.

Interpreting data: Drawing conclusions from relationships and patterns that emerge from organized data.

Presenting: research findings Effectively communicating what has been learned; choosing appropriate media.

Attitudes – What do we want students to feel, value and demonstrate?

While recognizing the importance of knowledge, concepts and skills, these alone do not make an internationally minded person. It is vital that there is also focus on the development of personal attitudes towards people, towards the environment and towards learning, attitudes that contribute to the well-being of the individual and of the group. The PYP, in a commitment to a values-laden curriculum, has decided to include these attitudes in the essential elements of the program.

Appreciation: Appreciating the wonder and beauty of the world and its people.

Commitment: Being committed to their own learning, persevering and showing self-discipline and responsibility.

Confidence: Feeling confident in their ability as learners, having the courage to take risks,

applying what they have learned and making appropriate decisions and choices.

Cooperation: Cooperating, collaborating, and leading or following as the situation demands. **Creativity:** Being creative and imaginative in their thinking and in their approach to problems and dilemmas.

Curiosity: Being curious about the nature of learning, about the world, its people and cultures. **Empathy:** Imagining themselves in another's situation in order to understand his or her reasoning and emotions, so as to be open-minded and reflective about the perspectives of others. **Enthusiasm:** Enjoying learning and willingly putting the effort into the process.

Independence: Thinking and acting independently, making their own judgments based on reasoned argument, and being able to defend their judgments.

Integrity: Being honest and demonstrating a considered sense of fairness.

Action – How do we want students to act?

We believe that education is not just about intellectual growth. It goes beyond developing socially responsible attitudes. A truly educated person takes thoughtful, responsible and appropriate action as a result of their learning. This action will extend the students' learning, but it is voluntary. It can involve service to the community; however, it should start at a very basic level: with the self, within the family, within the classroom, the hallways, and the playground. The action cycle- reflect, choose, act- demonstrates how action is envisioned in the PYP.

Language in a Transdisciplinary Program

Language is involved in all learning that goes on in a school, in both the affective and effective domains. Learners listen, talk, read and write their way to negotiating new meanings and understanding new concepts. In the "knowledge" area of the PYP, language is the most significant connecting element across the school's curriculum, both within and outside its transdisciplinary programme of inquiry. It is the school's responsibility to provide authentic contexts for language teaching and learning in all areas of the curriculum that are a reflection of, and relevant to, the community of learners, and to the educational theories underpinning the programme. In PYP schools there should be opportunities for students to negotiate their roles. Literacy, including oral and visual literacy as well as the ability to read and write, becomes increasingly important as greater demands are placed on learners as participants in the learning process.

Language provides a vehicle for inquiry. In an inquiry-based classroom, teachers and students enjoy using language, appreciating it both functionally and aesthetically. The love and enjoyment of language through the integration of literature into student inquiry is an indicator of good practice in a PYP classroom. For example, this may include: a series of books read as an author study; regional fairy tales as part of a unit of inquiry with a particular social studies emphasis; discussing a scientist's biography or a newspaper article to front-load a science investigation; early years counting stories as reinforcement for mathematics development; and the comparison and practice of illustration techniques to encourage the development of art skills.

The programme of inquiry provides an authentic context for learners to develop and use language. Wherever possible, language should be taught through the relevant, authentic context of the units of inquiry. The teacher should provide language learning opportunities that support learners' inquiries and the sharing of their learning. Regardless of whether language is being taught within or outside the programme of inquiry, it is believed that purposeful inquiry is the way in which learners learn best. The starting point should always be learners' prior experience and current understanding.

When teachers plan learning experiences that enable learners to develop language within meaningful and enjoyable contexts, learners are able to make connections, apply their learning, and transfer their conceptual understanding to new situations. This progressive conceptual development, together with an enjoyment of the process, provides the foundation for lifelong learning.

Because of the variety and scope of individual students' learning experiences, the PYP, and NorLights International School, work with a phase based scope and sequence to identify students' competencies and needs for development across these strands. There are five phases students are expected to progress through during their 7-8 years in the primary years program (including the kindergarten program). As a school, we have expectations, designated on grade level reports, for where a child may be at different ages or grade levels, yet we recognize that all students learn at different rates and with different learning styles and progressions. This means that different children may progress through the phases at different rates and in different pathways.

The Norwegian instruction works with the same scope and sequence as does the English language program. However, it is acknowledged that English is the main language of instruction and that not every element of every strand will be taught through the Norwegian language. Further, we recognize that language competencies represented in the strands are cross-lingual; this means that a skill or competency learned through one language is transferable to another language. Therefore, Norwegian and English language teachers work together to develop students' competencies across the strands.

Because learning, thinking, and learning take place through language, all languages, whether English, Norwegian, or a child's third home language, are seen as tools for communication and for learning. The school regards it as crucial that learning take place through the language and not merely in isolated grammar or vocabulary units. In Norwegian classes, students learn both about language- learning how the Norwegian language works, and learn through the language, discovering literature, culture and Unit of Inquiry knowledge and concepts through the vehicle of Norwegian language.

The school Scope and Sequence documents are planning tools and not prescriptive instructions for what will be taught specifically on what day or what hour. A PYP program is committed to providing a flexible, reflective program that is responsive to the needs of each particular class and the students in it. Thus, the planning and teaching of learning outcomes in the Scope and Sequence documents are designed through collaborative planning sessions with all members of the teaching team for a particular grade level.

In these teams, English and Norwegian teachers share and plan which elements of the learning outcomes they will be responsible for addressing through a given unit of inquiry or as 'stand alone' instruction. For the most part, it is expected that the language outcomes will be addressed through the unit of inquiry work in Norwegian and English language sessions.

In planning meetings, teachers keep in mind these guidelines from the PYP:

The following points should be considered when using the continuums to inform planning, teaching and assessing.

• The phases attempt to describe the language learning processes through which learners

progress.

• It is acknowledged that there are earlier and later phases that have not been described in these continuums.

• Learners within the same age group will have different proficiency levels and needs—therefore teachers should consider a range of phases when planning language learning experiences for a class of learners.

• Each learner is a unique individual with different experiences and perceptions, so no two learners progress at the same rate, or along the same developmental pathways.

• A learner may exhibit a range of learning outcomes from various phases at any one time.

• Learners seldom progress in a neat and predictable manner; instead they may remain in one phase for some length of time and move rapidly through other phases.

• The PYP language continuums are not prescriptive tools that assume a learner must attain all the outcomes of a particular phase before moving on to the next phase, nor that the learner should be in the same phase for each strand, or in the same phase for each language he or she is learning at any one time. (from the PYP Language Scope and Sequence Document, February 2009)

Planning for language within the PYP is a necessarily collaborative and ongoing activity that takes into account the various competencies of a given classroom. The needs of a class and the individuals within it are identified at the pre-unit planning stage, but additional planning takes place individually and between teachers as the unit progresses.

The full Language Scope and Sequence concepts and learning outcomes follow.

Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
Conceptual	Conceptual	Conceptual	Conceptual	Conceptual
understandings	understandings The	understandings	understandings	understandings
Spoken words connect	sounds of language are	Spoken language varies	Taking time to reflect	Spoken language can
us with others.	a symbolic way of	according to the	on what we hear and	be used to persuade
People listen and speak	representing ideas and	purpose and audience.	say helps us to make	and influence people.
to share thoughts and	objects.	People interpret	informed judgments	Metaphorical
feelings.	People communicate	messages according to	and form new opinions.	language creates
People ask questions to	using different	their unique	Thinking about the	strong visual images
learn from others.	languages.	experiences and ways	perspective of our	in our imagination.
	Everyone has the right	of understanding.	audience helps us to	Listeners identify key
	to speak and be	Spoken communication	communicate more	ideas in spoken
	listened to.	is different from written	effectively and	language and
		communication—it has	appropriately.	synthesize them to
		its own set of rules.	The grammatical	create their own
			structures of a	understanding.
			language enable	People draw on what
			members of a language	they already know in
			community to	order to infer new
			communicate with each	meaning from what
			other.	they hear.

Learning Continuum for Oral Language- Listening and Speaking

	L			
Learning outcomes	Learning outcomes	Learning outcomes	Learning outcomes	Learning
Learners:	Learners:	Learners:	Learners:	outcomes
				Learners:
 use gestures, actions, 	 listen and respond in 	 listen attentively and 	 listen appreciatively 	
body language and/or	small or large groups	speak appropriately in	and responsively,	 participate
words to communicate	for increasing periods	small and large group	presenting their own	appropriately as
needs and to express	of time	interactions	point of view and	listener and speaker,
ideas	 listen to and enjoy 	 listen to a variety of 	respecting the views of	in discussions,
 listen and respond to 	stories read aloud;	oral presentations	others	conversations,
picture books, showing	show understanding by	including stories,	 listen for a specific 	debates and group
pleasure, and	responding in oral,	poems, rhymes and	purpose in a variety of	presentations
demonstrating their	written or visual form	reports and respond	situations	 generate, develop
understanding through	 memorize and join in 	with increasing	 identify and expand 	and modify ideas and
gestures, expression	with poems, rhymes	confidence and detail	on main ideas in	opinions through
and/or words	and songs	 pick out main events 	familiar oral texts	discussion
 name classmates, 	 follow classroom 	and relevant points in	 listen reflectively to 	 listen and respond
teachers and familiar	instructions, showing	oral texts	stories read aloud in	appropriately to
classroom and	understanding	 follow multi-step 	order to identify story	instructions,
playground objects	5	directions	structures and ideas	questions and
 interact effectively 	 describe personal 	 retell familiar stories 	 understand that ideas 	explanations
with peers and adults in	experiences	in sequence	and opinions can be	• infer meanings.
familiar social settings	obtain simple	anticipate and predict	generated developed	draw conclusions and
tell their own stories	information from	when listening to text	and presented through	make judgments
using words gestures	accessible snoken texts	read aloud	talk: they work in pairs	about oral
and objects/ artifacts	• distinguish boginning		and arouns to dovelop	procontations
• ropost/ocho singlo	modial and onding	variaty of porsonal	and groups to develop	
	sounds of words with	vallety of personal		• use all increasing
words single words and	increasing accuracy	jurposes, for example,	• argue persuasively	
				complex sentence
two- word phrases in	• Tonow two-step	• express thoughts,		structures with a
context	directions	ideas and opinions and	• explain and discuss	nign level of
• join in with poems,	• predict likely	discuss them,	their own writing with	specificity
rhymes, songs and	outcomes when	respecting contributions	peers and adults	argue persuasively
repeated phrases in	listening to texts read	from others	begin to paraphrase	and justify a point of
shared books	aloud	• participate in a variety	and summarize	view
understand simple	use language to	of dramatic activities,	organize thoughts and	 show open-minded
questions and respond	address their needs,	for example, role play,	feelings before	attitudes when
with actions or words	express feelings and	puppet theatre,	speaking	listening to other
 follow classroom 	opinions	dramatization of	 use a range of 	points of view
directions and routines,	 ask questions to gain 	familiar stories and	specific vocabulary in	 paraphrase and
using context cues	information and	poems	different situations,	summarize when
 realize that people 	respond to inquiries	 use language to 	indicating an awareness	communicating orally
speak different	directed to themselves	explain, inquire and	that language is	 understand and
languages	or to the class	compare	influenced by purpose,	use figurative
 use the mother 	 use oral language to 	 recognize patterns in 	audience and context	language such as
tongue (with	communicate during	language(s) of	 realize that 	simile,
translation, if	classroom activities,	instruction and use	grammatical structures	personification and
necessary) to express	conversations and	increasingly accurate	can be irregular and	metaphor
needs and explain ideas	imaginative play	grammar	begin to use them	• use oral language
 realize that word 	 talk about the stories, 	 begin to understand 	appropriately and	to formulate and
order can change from	writing, pictures and	that language use is	consistently	communicate
one language to	models they have	influenced by its	• use oral language	possibilities and
another	created	purpose and the	appropriately,	theories
• use own grammar	begin to communicate	audience	confidently and with	 use standard
style as part of the	in more than one	 understand and use 	increasing accuracy	grammatical
process of developing	language	specific vocabulary to	verbalize their	structures
grammatical	• use grammatical rules	suit different nurnoses	thinking and explain	competently in
awareness	of the language(s) of	hear and appreciate	their reasoning	appropriate
	instruction (learners	differences between	• recognize that	situations
	may overgeneralize at	languages	different forms of	• Use register tone
	this stane)	iunguuges.	arammar are used in	voice level and
			different contexts	

	• appreciate that language is not always used literally; understand and use the figurative language of their own culture.	 intonation to enhance meaning appreciate that people speak and respond according to personal and cultural perspectives use speech responsibly to inform, entertain and influence
		Innuence

Learning continuum for Visual Language- Viewing and Presenting

Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
Concentual	Concentual	Concentual	Concentual	Concentual
Conceptual	understandings	conceptual	conceptual	Conceptual
understandings	understandings	understandings	understandings	understandings
Visual language is all around us. The pictures, images, and symbols in our environment have meaning. We can enjoy and learn from visual language.	People use static and moving images to communicate ideas and information. Visual texts can immediately gain our attention. Viewing and talking about the images others have created helps us to understand and create our own presentations.	Visual texts can expand our database of sources of information. Visual texts provide alternative means to develop new levels of understanding. Selecting the most suitable forms of visual presentation enhances our ability to express ideas and images. Different visual techniques produce different effects and are used to present different types of information.	Visual texts have the power to influence thinking and behaviour. Interpreting visual texts involves making an informed judgment about the intention of the message. To enhance learning we need to be efficient and constructive users of the internet.	The aim of commercial media is to influence and persuade viewers. Individuals respond differently to visual texts, according to their previous experiences, preferences and perspectives. Knowing about the techniques used in visual texts helps us to interpret presentations and create our own visual effects. Synthesizing information from visual texts is dependent upon personal interpretation and leads to new understanding.
Learning outcomes	Learning outcomes	Learning outcomes	Learning	Learning outcomes
.	.	.	outcomes	
Learners:	Learners:	Learners:	Learners:	Learners:
attend to visual	attend to visual	view visual	 view, respond to 	• view and critically
information showing	information showing	information and show	and describe visual	analyse a range of
understanding through	understanding through	understanding by	information,	visual texts,
play, gestures, facial	discussion, role play,	asking relevant	communicating	communicating
expression	illustrations	questions and	understanding in	understanding
 reveal their own feelings 	 talk about their own 	discussing possible	oral, written and	through oral, written
in response to visual	feelings in response to	meaning	visual form	and visual media
presentations, for	visual messages; show	 discuss their own 	 describe personal 	 identify factors that

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example, by showing	empathy for the way	feelings in response to	reactions to visual	influence personal
amusement, curiosity,	others might feel	visual messages; listen	messages; reflect on	reactions to visual
surprise	relate to different	to other responses,	why others may	texts; design visual
• observe visual cues that	contexts presented in	realizing that people	perceive the images	texts with the
indicate context; show	visual texts according to	react differently	differently	intention of influencing
understanding by	their own experiences,	 realize that visual 	 understand and 	the way people think
matching pictures with	for example, "That looks	information reflects	explain how visual	and feel
context	like my uncle's farm."	and contributes to the	effects can be used	 analyse and interpret
 recognize familiar signs, 	 locate familiar visual 	understanding of	to reflect a particular	the ways in which
labels and logos, for	texts in magazines,	context	context	visual effects are used
example, pedestrian	advertising catalogues,	 recognize and name 	 recognize and 	to establish context
walking sign, emergency	and connect them with	familiar visual texts, for	name familiar visual	 identify elements and
exit sign, no dogs	associated products	example, advertising,	texts and explain	techniques that make
allowed; identify	 show their 	logos, labels, signs,	why they are or are	advertisements, logos
similarities and differences	understanding that	ICT iconography	not effective, for	and symbols effective
make personal	visual messages	 observe and discuss 	example,	and draw on this
connections to visual	influence our behaviour	familiar and unfamiliar	advertising, logos,	knowledge to create
texts, for example, a	 connect visual 	visual messages;	labels, signs,	their own visual effects
picture book about	information with their	make judgments about	billboards	 realize that cultural
children making friends in	own experiences to	effectiveness	 interpret visual 	influences affect the
a new situation	construct their own	discuss personal	cues in order to	way we respond to
• use body language to	meaning, for example,	experiences that	analyse and make	visual effects and
communicate and to	when taking a trip	connect with visual	inferences about the	explain how this
convey understanding, for	• use body language in	images	intention of the	affects our
example, pointing,	mime and role play to	use actions and body	message	interpretation, for
desturing facial	communicate ideas and	language to reinforce	explain how	example, the use of
expressions	feelings visually	and add meaning to	relevant personal	particular colours or
select and incorporate	realize that shapes	oral presentations	experiences can add	symbols
colours shapes symbols	symbols and colours		to the meaning of a	realize that individuals interpret
and images into visual	have meaning and	colours symbols and	selected film/movie	
procontations	include them in	layout for	write and illustrate a	visual information
• show approxiation of	procentations	presentations.		
illustrations in picture		practise and develop	 identify aspects of 	and different
hooks by solocting and	• use a vallety of	writing/ calligraphy	• Identity aspects of	nerspectives
books by selecting and	and dovelop bandwriting	styles	dramatic	 show how body
focusing on foxourito		realize that text and	procentation and	language, for example,
nocusing off favourite		illustrations in	presentation and	facial expression.
pages	ODServe and discuss	reference materials	explain now they are	gesture and
		work together to	used to convey the	movement, posture
appropriate ICT		convey information,	mood and personal	and orientation, eye
iconography to activate	reference books,	and can explain how	traits of characters	contact and touch, can
different devices, for	commenting on the	this enhances	design posters and	be used to achieve
example, computer	Information being	understanding	charts, using	effects and influence
games, CD player,		 with guidance, use 	snapes, colours,	meaning
	recognize ICT	the internet to access	Symbols, layout and	 apply knowledge of
IISten to terminology	iconography and follow	relevant information;	ionis, to achieve	presentation
associated with visual	prompts to access	process and present	particular effects;	techniques in original
texts and understand	programs or activate	information in ways	explain how the	and innovative ways;
terms such as colour,	aevices	that are personally	aesired effect is	explain their own ideas
snape, size.	through teacher	meaningful	achieved	for achieving desired
	modelling, become	• use appropriate	• discuss a	effects
	aware of terminology	terminology to discuss	newspaper report	• examine and analyse
	used to tell about visual	visual texts, for	and tell how the	text and illustrations in
	effects, for example,	example, logos, font,	words and pictures	reterence material,
	features, layout, border,	toreground,	work together to	including online text,
	frame	background, impact	convey a particular	explaining how visual
	 view different versions 	a viou o rongo of	message	and written information
	of the same story and		• prepare,	work together to
	discuss the effectiveness	formate and discuss	individually or in	and make meaning
	of the different ways of		collaboration, visual	and make meaning

 1			
telling the same story, for example, the picture book version and the film/movie version of a story • become aware of the use and organization of visual effects to create a particular impact, for example, dominant images show what is important in a story • observe visual images and begin to appreciate, and be able to express, that they have been created to achieve particular purposes.	their effectiveness, for example, film/video, posters, drama • realize that effects have been selected and arranged to achieve a certain impact, for example, the way in which colour, lighting, music and movement work together in a performance • observe and discuss visual presentations; make suggestions about why they have been created and what the creator has been aiming to achieve.	presentations using a range of media, including computer and web-based applications • discuss and explain visual images and effects using appropriate terminology, for example, image, symbol, graphics, balance, techniques, composition • experience a range of different visual language formats; appreciate and describe why particular formats are selected to achieve particular effects • observe and discuss the choice and composition of visual presentations and explain how they contribute to meaning and impact, for example, facial expressions, speech bubbles, word images to convey sound effects • realize that visual presentations have been created to reach out to a particular audience and influence the audience in some way; discuss the effects used and how they might influence the audience.	more explicit • navigate the internet in response to verbal and visual prompts with confidence and familiarity; use ICT to prepare their own presentations • use appropriate terminology to identify a range of visual effects/formats and critically analyse their effectiveness, for example, mood, media, juxtaposition, proportion • analyse the selection and composition of visual presentations; select examples to explain how they achieve a particular impact, for example, dominant images, use of colour, texture, symbolism • identify the intended audience and purpose of a visual presentation; identify overt and subliminal messages • reflect on ways in which understanding the intention of a visual message can influence personal responses

Learning continuum for Written Language- Reading

Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
Conceptual	Conceptual	Conceptual	Conceptual	Conceptual
understandings	understandings	understandings	understandings	understandings
Illustrations convey	The sounds of	Different types of	Reading and thinking	Authors structure
meaning. Print	spoken language can	texts serve different	work together to	stories around
conveys meaning.	be represented	purposes.	enable us to make	significant themes.
People read for	VISUAIIY.	What we already	meaning.	Effective stories have
piedsure. Stories can tell about	works differently	understand what we	and correcting our	a structure, purpose
imagined worlds	from spoken	read	own reading as we	events (plot) that
Printed information	language.	Applying a range of	go enable us to read	help to make the
can tell about the	Consistent ways of	strategies helps us to	new and more	author's intention
real world.	recording words or	read and understand	complex texts.	clear.
There are	ideas enable	new texts.	Identifying the main	Synthesizing ideas
established ways of	members of a	Wondering about	ideas in the text	and information from
setting out print and	language community	texts and asking	helps us to	texts leads to new
organizing books.	to communicate.	questions helps us to	understand what is	ideas and
	People read to learn.	understand the	important.	understanding.
	The words we see	meaning.	Knowing what we	Reading opens our
		organization of		nerspectives and
	our minds	written language	reference material to	helps us to
	our minus.	influences and	conduct research.	understand how
		conveys meaning.		people think, feel
				and act.
Learning	Learning	Learning	Learning	Learning
outcomes	outcomes	outcomes	outcomes	outcomes
Learners:	Learners:	Learners:	Learners:	Learners:
 eniov listening to 	 select and reread 	 develop personal 	 read a variety of 	• read a wide range
 enjoy listening to stories 	 select and reread favourite texts for 	 develop personal preferences, 	 read a variety of books for pleasure, 	 read a wide range of texts confidently,
 enjoy listening to stories choose and "read" 	 select and reread favourite texts for enjoyment 	 develop personal preferences, selecting books for 	 read a variety of books for pleasure, instruction and 	 read a wide range of texts confidently, independently and
 enjoy listening to stories choose and "read" picture books for 	 select and reread favourite texts for enjoyment understand that 	 develop personal preferences, selecting books for pleasure and 	 read a variety of books for pleasure, instruction and information; reflect 	 read a wide range of texts confidently, independently and with understanding
 enjoy listening to stories choose and "read" picture books for pleasure 	 select and reread favourite texts for enjoyment understand that print is permanent, 	 develop personal preferences, selecting books for pleasure and information 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading 	 read a wide range of texts confidently, independently and with understanding work in cooperative
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when 	 develop personal preferences, selecting books for pleasure and information read texts at an 	• read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely. 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audionco
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading. 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies,
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively and respond to 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining in the refrains 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, reports, articles 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various texts, showing 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the work and style of a
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively and respond to stories read aloud 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining in the refrains participate in 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, reports, articles identify and explain 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various texts, showing empathy for 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the work and style of a particular author and
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively and respond to stories read aloud participate in 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining in the refrains participate in guided reading 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, reports, articles identify and explain the basic structure of 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various texts, showing empathy for characters 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the work and style of a particular author and appreciating what it
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively and respond to stories read aloud participate in shared reading, 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining in the refrains participate in guided reading situations, observing 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, reports, articles identify and explain the basic structure of a story— beginning, with the period 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various texts, showing empathy for characters recognize the 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the work and style of a particular author and appreciating what it means to be an
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively and respond to stories read aloud participate in shared reading, joining in with 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining in the refrains participate in guided reading situations, observing and applying reading 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, reports, articles identify and explain the basic structure of a story— beginning, middle and end; may 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various texts, showing empathy for characters recognize the author's purpose, for overheat to informed 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the work and style of a particular author and appreciating what it means to be an author
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively and respond to stories read aloud participate in shared reading, joining in with rhymes, refrains and repeated toxt as their 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining in the refrains participate in guided reading situations, observing and applying reading behaviours and interacting offectively 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, reports, articles identify and explain the basic structure of a story— beginning, middle and end; may use storyboards or comic string to 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various texts, showing empathy for characters recognize the author's purpose, for example, to inform, entertain_porcuade 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the work and style of a particular author and appreciating what it means to be an author identify genre (including fastacy)
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively and respond to stories read aloud participate in shared reading, joining in with rhymes, refrains and repeated text as they gain familiarity 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining in the refrains participate in guided reading situations, observing and applying reading behaviours and interacting effectively with the group 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, reports, articles identify and explain the basic structure of a story— beginning, middle and end; may use storyboards or comic strips to communicate 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various texts, showing empathy for characters recognize the author's purpose, for example, to inform, entertain, persuade, instruct 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the work and style of a particular author and appreciating what it means to be an author identify genre (including fantasy, biography, science
 enjoy listening to stories choose and "read" picture books for pleasure locate and respond to aspects of interest in self- selected texts (pointing, examining pictures closely, commenting) show curiosity and ask questions about pictures or text listen attentively and respond to stories read aloud participate in shared reading, joining in with rhymes, refrains and repeated text as they gain familiarity make connections 	 select and reread favourite texts for enjoyment understand that print is permanent, for example, when listening to familiar stories, notices when the reader leaves out or changes parts participate in shared reading, posing and responding to questions and joining in the refrains participate in guided reading situations, observing and applying reading behaviours and interacting effectively with the group listen attentively 	 develop personal preferences, selecting books for pleasure and information read texts at an appropriate level, independently, confidently and with good understanding recognize a range of different text types, for example, letters, poetry, plays, stories, novels, reports, articles identify and explain the basic structure of a story— beginning, middle and end; may use storyboards or comic strips to communicate elements 	 read a variety of books for pleasure, instruction and information; reflect regularly on reading and set future goals distinguish between fiction and non-fiction and select books appropriate to specific purposes understand and respond to the ideas, feelings and attitudes expressed in various texts, showing empathy for characters recognize the author's purpose, for example, to inform, entertain, persuade, instruct understand that 	 read a wide range of texts confidently, independently and with understanding work in cooperative groups to locate and select texts appropriate to purpose and audience participate in class, group or individual author studies, gaining an in-depth understanding of the work and style of a particular author and appreciating what it means to be an author identify genre (including fantasy, biography, science fiction, mystery,

Í	experience when	to read- aloud	about a story, based	identify the main	explain elements and
	listening to or	situations; make	on their own	idea; discuss and	literary forms that
	"reading" texts	predictions,	knowledge and	outline the sequence	are associated with
	 begin to 	anticipate possible	experience; revise or	of events leading to	different genres
	discriminate between	outcomes	confirm predictions	the final outcome	 appreciate
	visual	 read and 	as the story	 appreciate that 	structural and
	representations such	understand the	progresses	writers plan and	stylistic differences
	as symbols,	meaning of self-	 realize that there is 	structure their stories	between fiction and
	numbers, ICT	selected and	a difference between	to achieve particular	non-fiction; show
	iconography, letters	teacher-selected	fiction and non-	effects; identify	understanding of this
	and words	texts at an	fiction and	features that can be	distinction when
	 recognize their own 	appropriate level	use books for	replicated when	structuring their own
	first name	 use meaning, 	particular purposes,	planning their own	writing
	 express opinions 	visual, contextual	with teacher	stories	• appreciate authors'
	about the meaning	and memory cues,	guidance	 use reference 	use of language and
	of a story	and cross-check cues	 recognize and use 	books, dictionaries,	interpret meaning
	 show empathy for 	against each other,	the different parts of	and computer and	beyond the literal
	characters in a story	when necessary	a book, for example,	web-based	 understand that
	 distinguish 	(teacher monitors	title page, contents,	applications with	authors use words
	between pictures and	miscues to identify	index	increasing	and literary devices
	written text, for	strategies used and	 understand sound– 	independence and	to evoke mental
	example, can point	strategies to be	symbol relationships	responsibility	images
	to a picture when	developed)	and apply reliable	 know how to skim 	 recognize and
	asked	 read and 	phonetic strategies	and scan texts to	understand figurative
	 indicate printed 	understand familiar	when decoding print	decide whether they	language, for
	text where the	print from the	 use a range of 	will be useful, before	example, similes,
	teacher should start	immediate	strategies to self-	attempting to read in	metaphors, idioms
	reading	environment, for	monitor and self-	detail	 make inferences
	 handle books, 	example, signs,	correct, for example,	 as part of the 	and be able to justify
ļ	showing an	advertisements,	meaning, context,	inquiry process, work	them
	understanding of	logos, ICT	rereading, reading	cooperatively with	 identify and
	how a book works,	iconography	on, cross-checking	others to access,	describe elements of
	for example, cover,	 make connections 	one cue source	read, interpret, and	a story—plot, setting,
	beginning, directional	between personal	against another	evaluate a range of	characters, theme-
	movement, end	experience and	 discuss personality 	source materials	and explain how they
		storybook characters	and behaviour of	 identify relevant, 	contribute to its
		 understand sound– 	storybook characters,	reliable and useful	effectiveness
		symbol relationships	commenting on	information and	 compare and
		and recognize	reasons why they	decide on	contrast the plots of
		familiar	might react in	appropriate ways to	two different but
		sounds/symbols/	particular ways	use it	similar novels,
		words of the			commenting on
		language community			effectiveness
1		1	1	1	

Learning continuum for Written Language- Writing

Conceptual understandingsConceptual understandingsConceptual understandingsConceptual understandingsConceptual understandingsConceptual understandingsWriting conveys meaning, People write to tail about their experiences, ideas and convention.People write to sounds of spoken languageWe write in different purposes. The structure of different types of texts includes identifiable earnes's theirs other people to strategies helps us to express ourselves so them.Writing and humor and purposeful.Storesta are built around theres to writing more focused and purposeful.Storesta are built around theres to writing more focused and purposeful.Storesta are built around there so that there can make the dutors's intention clear.Storesta are built around there so that there can make the dutors's that there can make our writing. the poople in real life helps us to build on writing helps others to other's writing. the so to develop writing helps others to other's writing. the so to develop are arous sooken language.Conceptual works differently from sooken language.Conceptual works differently from sooken language.Conceptual works differently from sooken language.Conceptual works differently from sooken language.Conceptual writing ther work develop writing expressones to build on writing and weekop different weekson, ror withing here works so writing informs writing informsConceptual writing and weekopConceptual writing the ror writing the sooke and writing and writing informs writing informs writing informs informal yabout there work d	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
understandingsunderstandingsunderstandingsunderstandingsunderstandingsWriting conveys meaning, People write to communicate. The speriences, ideas and feelings.People write to communicate of spoken languageWe write in different ways for different purposes. the structure of can be represented includes identifiableWriting and thinking work together to enable us to express ideas and convey meaning.Stories that people work together to or a language consistent ways of recording or of alsa nguage community to understand and enjoy works can being people to understand and enjoy works entowers them.Writing and thinking works together to enables to express to and people in that others can enjoy that others can enjoy our writing.Stories that people works of these can enjoy that others can enjoy our writing, mere focused and people in enable us to understand and or of alsa nguage community to understand each other's writing.Writen language that others can enjoy that others can enjoy that others can enjoy that others can enjoy our writing mere clearly.Synthesizing ideas enable us to upose our writing mereclear in that people and understand each other's writing.Writen language that others can enjoy that what we know, reflect on device people with works werthore and our writing improves our writing improves our writing mereclear in helps us to develop works werthore and how we choose to use there writing improves our writing im	Concentual	Concentual	Conceptual	Concentual	Conceptual
Writing canveys meaning. People write to tell about their experiences, taken and reclings.People write to communicate. The sounds of spoten can be represented visually (letters, symbols, characters).We write in different types of taken features.Writing and thinking work together to enable us to express themselves in writing. Talking about our belps other people to understand and enjoy wither members of recording works or i cleas enable works or i cleas enable understand each other's writing. Written language.We write in different types of takes the stores and pictures that others can enjoy our writing nore focused and people in real life apposing the version stories.Stories and pictures the disp to make our writing and that others can enjoy our writing helps to make our writing helps to make our writing and people in real life and people in real life and people in real life our writing helps to make outs our stories.Stories that people writing more focused and people in real life and people in real life our own writing our own writing words we choose to use ther writing and tevisop, and ideas.Stories that people words we taken and our own writing our own writing our own writing our own writing our own writing our own writing our own writing and writing in formal stude well own and their own ideas, their own ideas, t	understandings	understandings	understandings	understandings	understandings
Learning outcomes Learners:Learning outcomes Learners:Learners:Learners:Learners:• experiment with writing implements and ochose to write as play, or in informal situations, for example, pretend post office, writing ameu ur wish illigt for a party• engage confidently write informally about their own ideas, experiences and feelings in a personal journal or diary, initially using simple sentence structures, for example, ri like", "I can"• write about a range of topics for a variety of purposes, using literary encolled by the purposes, both creative and informative, using and informative, using encountered in reading organizes to plan organizes to plan writing, for example, writing ind they have writing ind they have writen inserver in the what they have writen inserver in the what they have writen inserver in the writing, for example, writing ind the interest of the reader example, write simple and "writing"Writing marative, simple adapt writing adapt writing adapt writing adapt writing adapt writing adapt writing adapt writing adapt writing adapt writing adapt writingWriting adapt writing adapt writing adapt writing	understandings Writing conveys meaning. People write to tell about their experiences, ideas and feelings. Everyone can express themselves in writing. Talking about our stories and pictures helps other people to understand and enjoy them.	understandings People write to communicate. The sounds of spoken language can be represented visually (letters, symbols, characters). Consistent ways of recording words or ideas enable members of a language community to understand each other's writing. Written language works differently from spoken language.	understandings We write in different ways for different purposes. The structure of different types of texts includes identifiable features. Applying a range of strategies helps us to express ourselves so that others can enjoy our writing. Thinking about storybook characters and people in real life helps us to develop characters in our own stories. When writing, the words we choose and	understandings Writing and thinking work together to enable us to express ideas and convey meaning. Asking questions of ourselves and others helps to make our writing more focused and purposeful. The way we structure and organize our writing helps others to understand and appreciate it. Rereading and editing our own writing enables us to express what we want to say more clearly.	understandings Stories that people want to read are built around themes to which they can make connections. Effective stories have a purpose and structure that help to make the author's intention clear. Synthesizing ideas enables us to build on what we know, reflect on different perspectives, and express new ideas. Knowing what we aim to achieve helps us to plan and develop different forms of
Learning outcomes Learners:Learning outcomes Learners:Learning outcomes Learners:Learning outcomes Learners:Learning outcomes Learners:Learning outcomes Learners:Learning outcomes Learners:• experiment with writing using different writing implements and nedia• enjoy writing and value their own ideas, experiences and feelings in a personal journal or diary, initially using simple sentence structures, for example, illustrations and written experience as a stimulus when drawing and "writing"• erad their own writing read their own writing observing the teacher's and guided writing, observing the teacher'sLearning outcomes Learners:Learners:• write independently and with confidence, writing or a variety of purposes, using literary forms and structures modelled by the encountered in reading organizers to plan writing, for example, text• write independently and with confidence, write and adpt writing and with confidence, write and adpt writing • use graphic organizers to plan writing, for example, that what they have written remains unchanged • show curiosity and ask questions about written languageLearning outcomes Learners:Learners:• write independently and with confidence, writing and with the process of topics for a variety of purposes, using literary organizers to plan writing, for example, Mind Maps, stow curosity and ask questions about written languageLearning outcomes write, instructional, persuasiveLearning outcomes write independently write independently and with confidence, write and with confidence, write and using simple sentence organize ideas in a logi			how we choose to use them enable us to share our imaginings and ideas.		writing. Through the process of planning, drafting, editing and revising, our writing improves over time.
 experiment with writing using different writing using different writing implements and media choose to write as experiences and feelings in a personal journal or diary, initially using simple sentence structures, for example, filling in forms in a pretend post office, write index, write index, write adout a range of structures, for example, writing a menu or wish "I like", "I can" differentiate between illustrations and written text use their own choise their own choise to write as experiences and feelings in a personal using simple sentence writing a using simple sentence writing a menu or wish "I like", "I can" differentiate between illustrations and written text the teacher and to use their own classmates, realizing that what they have writting range written remains use their own classmates, realizing and writting and writting and writting written remains use their own show curiosity and ask questions about written language observing the teacher's end guided writting, observing the teacher's 	Learning outcomes Learners:	Learning outcomes Learners:	Learning outcomes Learners:	Learning outcomes Learners:	Learning outcomes Learners:
• participate in shared model, asking questions of use appropriate logical sequence vise a range of vocabulary and relevant of vocabulary and relevant	 experiment with writing using different writing implements and media choose to write as play, or in informal situations, for example, filling in forms in a pretend post office, writing a menu or wish list for a party differentiate between illustrations and written text use their own experience as a stimulus when drawing and "writing" show curiosity and ask questions about written language participate in shared writing, observing the 	 enjoy writing and value their own efforts write informally about their own ideas, experiences and feelings in a personal journal or diary, initially using simple sentence structures, for example, "I like", "I can" , "I went to", "I am going to" read their own writing to the teacher and to classmates, realizing that what they have written remains unchanged participate in shared and guided writing, observing the teacher's model, asking questions and offering 	 engage confidently with the process of writing write about a range of topics for a variety of purposes, using literary forms and structures modelled by the teacher and/or encountered in reading use graphic organizers to plan writing, for example, Mind Maps, storyboards organize ideas in a logical sequence, for example, write simple narratives with a beginning, middle and end use appropriate writing conventions, for 	 write independently and with confidence, demonstrating a personal voice as a writer write for a range of purposes, both creative and informative, using different types of structures and styles according to the purpose of the writing show awareness of different audiences and adapt writing appropriately select vocabulary and supporting details to achieve desired effects organize ideas in a logical sequence reread, edit and 	 write independently and with confidence, showing the development of their own voice and style write using a range of text types in order to communicate effectively, for example, narrative, instructional, persuasive adapt writing according to the audience and demonstrate the ability to engage and sustain the interest of the reader use appropriate paragraphing to organize ideas use a range of vocabulary and relevant

a licton and recorded to	e write to communicate	language(c) of	ovample contact	croato atmocrahere and
IISten and respond to		ianguage(S) or	example, content,	create atmosphere and
toxts) obconving	a message to a		a rospond to the writing	
texts), Observing			• respond to the writing	• use planning,
of print according to	instructions a fantasy	increasing confidence		traviouring, editing and
the language(c) of	stony	and accuracy for	• use appropriate	independently and with
instruction	siony	and accuracy, for	mooning	independency and with
bogin to discriminate	• create musu ations to	example, spenny		• critique the writing of
Degin to discriminate	tout	frequency words high	• use knowledge of	• chuque the whiting of
Detween	lexi	interact words	whiten code patients to	constructive
numbers and symbols			frequency and familiar	constructive
numbers and symbols	awareness of the			
	tout for example		words	• Vary sentence
sound-symbol	text, for example,	constructs	• use a range of	
	directionality	• While legibly, and in a	worde/ideas of	
to recognize		consistent style	increasing complexity	understanding of how
familiar counds can be	• connect written codes	• prooffedd their own	a realize that writers	
recorded	speken language and	corrections and	• reduze that writers	
recorded	spoken language and	improvements	dsk questions of	• use standard spelling
• write their own name	understanding when	• uso foodback from	ways to improve their	appropriate resources
паеренаениу.	recording ideas	- use recuback If UIII	ways to improve their	to check coolling
		teachers and other	Whiling, for example,	to check spelling
	• TOFM	students to improve	IS this what I meant to	• use a dictionary,
	reliers/characters		Sdy?, IS IL	chesaurus, spelichecker
		• use a ulcuonary, a	interesting/relevant?	
	legibly, with an	thesaurus and word	• cneck punctuation,	
	understanding as to		starters analling	accuracy, produen
	why this is important	use or language	starters, spelling,	vocabulary and enrich
		• keep a log of ideas to	presentation	their writing
	community	write about	• use a dictionary and	Choose to publish
	discriminate between	• over time, create	thesaurus to check	written work in
	types of code, for	examples of different	accuracy, proaden	nandwritten form or in
	example, letters,	types of writing and	vocabulary and enrich	digital format
	numbers, symbols,	store them in their own	their writing	independently
	words/ characters	writing folder	• WORK	• use written
	write an increasing	Work cooperatively with a partner to	cooperatively with a	language as a means of
	number of frequently	discuss and improve	partner to discuss and	reflecting on their own
	used words or ideas	each other's work,	Improve each other's	learning
	independently	taking the roles of	work, taking the roles	recognize and use
	Illustrate their	authors and editors	of authors and editors	figurative language to
	own writing and	 work independently, 	work	enhance writing, for
	contribute to a class	to produce written work	independently, to	example, similes,
	book or collection of	that is legible and well-	produce written work	metaphors, idioms,
	published writing.	either by hand or in	that is legible and well-	alliteration
		digital format.	presented, written	Identify and
			either by hand or in	describe elements of a
			digital format.	story—setting, plot,
				cnaracter, theme
				 locate, organize,
				synthesize and present
				written information
				obtained from a variety
				of valid sources
				 use a range of
				tools and techniques to
				produce written work
				that is attractively and
				effectively presented.

Mathematics within a transdisciplinary framework

Wherever possible, mathematics should be taught through the relevant, realistic context of the units of inquiry. The direct teaching of mathematics in a unit of inquiry may not always be feasible but, where appropriate, prior learning or follow-up activities may be useful to help students make connections between the different aspects of the curriculum. Students also need opportunities to identify and reflect on —big ideas within and between the different strands of mathematics, the programme of inquiry and other subject areas.

Links to the transdisciplinary themes should be explicitly made, whether or not the mathematics is being taught within the programme of inquiry. A developing understanding of these links will contribute to the students' understanding of mathematics in the world and to their understanding of the transdisciplinary theme.

The role of inquiry in mathematics is important, regardless of whether it is being taught inside or outside the programme of inquiry. However, it should also be recognized that there are occasions when it is preferable for students to be given a series of strategies for learning mathematical skills in order to progress in their mathematical understanding rather than struggling to proceed.

Phase 1	Phase 2	Phase 3	Phase 4
Conceptual	Conceptual	Conceptual	Conceptual
understandings	understandings	understandings	understandings
We collect information to	Information can be expressed	Data can be collected,	Data can be presented
make sense of the world	as organized and structured	organized, displayed and	effectively for valid
around us.	data.	analysed in different ways.	interpretation and
Organizing objects and events	Objects and events can be	Different graph forms highlight	communication.
helps us to solve problems.	organized in different ways.	different aspects of data more	Range, mode, median and
Events in daily life involve	Some events in daily life are	efficiently.	mean can be used to analyse
chance.	more likely to happen than	Probability can be based on	statistical data.
	others.	experimental events in daily	Probability can be represented
		life.	on a scale
		Probability can be expressed	between 0–1 or 0%–100%.
		in numerical notations.	The probability of an event
			can be predicted theoretically.

Mathematics: Data Management

	When constructing	Leowing outcomes	Leoning outcomes
	when constructing	Learning outcomes	
when constructing	meaning learners:	when constructing	when constructing
meaning learners:		meaning learners:	meaning learners:
 understand that sets can be organized by different attributes understand that information about themselve s and their surroundings can be obtained in different ways discuss chance in daily events (impossible, maybe, certain). 	 understand that sets can be organized by one or more attributes understand that information about themselves and their surroundings can be collected and recorded in different ways understand the concept of chance in daily events (impossible, less likely, maybe, most likely, certain). 	 understand that data can be collected, displayed and interpreted using simple graphs, for example, bar graphs, line graphs understand that scale can represent different quantities in graphs understand that the mode can be used to summarize a set of data understand that one of the purposes of a database is to answer questions and solve problems understand that probability is based on experimental events. 	 understand that different types of graphs have special purposes understand that the mode, median, mean and range can summarize a set of data understand that probability can be expressed in scale (0– 1) or per cent (0%–100%) understand the difference between experimental and theoretical probability.
Learning outcomes	Learning outcomes	Learning outcomes	Learning outcomes
When transferring meaning	When transferring meaning	When transferring meaning	When transferring meaning
into symbols learners:	into symbols learners:	into symbols learners:	into symbols learners:
 represent information through pictographs and tally marks sort and label real objects by attributes. 	 collect and represent data in different types of graphs, for example, tally marks, bar graphs Represent the relationship between objects in sets using tree, Venn and Carroll diagrams express the chance of an event happening using words or phrases (impossible, less likely, maybe, most likely, certain). 	 collect, display and interpret data using simple graphs, for example, bar graphs, line graphs identify, read and interpret range and scale on graphs identify the mode of a set of data use tree diagrams to express probability using simple fractions. 	 collect, display and interpret data in circle graphs (pie charts) and line graphs identify, describe and explain the range, mode, median and mean in a set of data set up a spreadsheet using simple formulas to manipulate data and to create graphs express probabilities using scale (0–1) or per cent (0%– 100%).

When applying with	When applying with	When applying with	When applying with
understanding	understanding	understanding	understanding
learners:	learners:	learners:	learners:
 create pictographs and tally marks create living graphs using real objects and people* describe real objects and events by attributes. 	 collect, display and interpret data for the purpose of answering questions create a pictograph and sample bar graph of real objects and interpret data by comparing quantities (for example, more, fewer, less than, greater than) use tree, Venn and Carroll diagrams to explore relationships between data identify and describe chance in daily events (impossible, less likely, maybe, most likely, certain). 	 design a survey and systematically collect, organize and display data in pictographs and bar graphs select appropriate graph form(s) to display data interpret range and scale on graphs use probability to determine mathematically fair and unfair games and to explain possible outcomes express probability using simple fractions. 	 design a survey and systematically collect, record, organize and display the data in a bar graph, circle graph, line graph identify, describe and explain the range, mode, median and mean in a set of data create and manipulate an electronic database for their own purposes determine the theoretical probability of an event and explain why it might differ from experimental probability.

Mathematics: Measurement

Phase 1	Phase 2	Phase 3	Phase 4
Conceptual	Conceptual understandings	Conceptual	Conceptual
understandings		understandings	understandings
	Standard units allow us to have a		
Measurement involves	common language to identify,	Objects and events have	Accuracy of measurements
comparing objects and	compare, order and	attributes that can be	depends on the situation and
events.	sequence objects and events.	measured using appropriate	the precision of the tool.
Objects have attributes	We use tools to measure the	tools.	Conversion of units and
that can be	attributes of objects and events.	Relationships exist between	measurements allows us to
measured using non-	Estimation allows us to measure	standard	make sense of the world we
standard units.	with different levels of accuracy.	units that measure the same	live in.
Events can be ordered		attributes.	A range of procedures exists
and sequenced.			to measure
			different attributes of objects
			and events.

When constructing meaning learners:	Learning outcomes When constructing meaning learners:	Learning outcomes When constructing meaning learners:	Learning outcomes When constructing meaning learners:
 understand that attributes of real objects can be compared and described, for example, longer, shorter, heavier, empty, full, hotter, colder understand that events in daily routines can be described and sequenced, for example, before, after, bedtime, storytime, today, tomorrow. 	 understand the use of standard units to measure, for example, length, mass, money, time, temperature understand that tools can be used to measure understand that calendars can be used to determine the date, and to identify and sequence days of the week and months of the year understand that time is measured using universal units of measure, for example, years, months, days, hours, minutes and seconds. length, mass, capacity, money and Temperature 	 understand the use of standard units to measure perimeter, area and volume understand that measures can fall between numbers on a measurement scale, for example, 31/2 kg, between 4 cm and 5 cm understand relationships between units, for example, metres, centimetres and millimetres understand an angle as a measure of rotation. 	 understand procedures for finding area, perimeter and volume understand the relationships between area and perimeter, between area and volume, and between volume and capacity understand unit conversions within measurement systems (metric or customary).
When transferring	When transferring meaning	When transferring	When transferring meaning
meaning into	inte		_
incaring inco	into	meaning into	into
symbols learners:	symbols learners:	symbols learners:	into symbols learners:

When applying with	When applying with	When applying with	 When applying with
understanding	understanding	understanding	understanding
learners:	learners:	learners:	learners:
 describe observations 	 use standard units of 	 use standard units of 	 select and use appropriate
about events and objects	measurement to	measurement to	units
in real-life situations	solve problems in real-life	solve problems in real-life	of measurement and tools to
 use non-standard units 	situations involving length, mass,	situations involving	solve problems in real-life
of measurement to solve	capacity, money and temperature	perimeter, area and volume	situations
problems in	 use measures of time to assist 	 select appropriate tools 	 determine and justify the
real-life situations	with problem solving in real-life	and units of measurement	level of accuracy required to
involving length,	situations.	 use timelines in units of 	solve real-life
mass and capacity.		inquiry and other real-life	problems involving
		situations.	measurement
			 use decimal and fractional
			notation
			in measurement, for example,
			3.2 cm,
			1.47 kg, 1½ miles
			• use timetables and schedules
			(12- hour and 24-hour clocks)
			in real-life
			Situations
			 determine times worldwide.

Mathematics: Shape and Space

Phase 1	Phase 2	Phase 3	Phase 4
Conceptual	Conceptual	Conceptual understandings	Conceptual
understandings	understandings		understandings
		Changing the position of a shape	
Shapes can be described	Shapes are classified and	does not alter its properties.	Manipulation of shape and
and organized	named according to their	Shapes can be transformed in	space takes place for a
according to their	properties.	different ways.	particular purpose.
properties.	Some shapes are made up of	Geometric shapes and vocabulary	Consolidating what we know
Objects in our immediate	parts that repeat in some	are useful for representing and	of geometric concepts allows
environment	way.	describing	us to make sense of and
have a position in space	Specific vocabulary can be	objects and events in real-world	interact with our world.
that can be	used to describe an object's	situations.	Geometric tools and methods
described according to a	position in space.		can be
point of			used to solve problems
reference.			relating to shape
			and space.

Learning outcomes When constructing meaning learners: • Understand that 2D and 3D shapes have characteristics that can be described and compared • understand that common language can be used to describe position and direction, for example, inside, outside, above, below, next to, behind, in front of, up, down.	Learning outcomes When constructing meaning learners: • understand that there are relationships among and between 2D and 3D shapes • understand that 2D and 3D shapes can be created by putting together and/or taking apart other shapes • understand that examples of symmetry and transformations can be found in their immediate environment • understand that geometric shapes are useful for representing real-world situations • understand that directions can be used to describe pathways, regions, positions and boundaries of their immediate environment.	Learning outcomes When constructing meaning learners: • understand the common language used to describe shapes • understand the properties of regular and irregular polygons • understand congruent or similar shapes • understand that lines and axes of reflective and rotational symmetry assist with the construction of shapes • understand an angle as a measure of rotation • understand that directions for location can be represented by coordinates on a grid • understand that visualization of shape and space is a strategy for solving problems.	Learning outcomes When constructing meaning learners: • understand the common language used to describe shapes • understand the properties of regular and irregular polyhedra • understand the properties of circles • understand how scale (ratios) is used to enlarge and reduce shapes • understand systems for describing position and direction • understand that 2D representations of 3D objects can be used to visualize and solve problems • understand that geometric ideas and relationships can be used to solve problems in other areas of mathematics and in real life.
When transferring meaning into symbols learners: • sort, describe and compare 3D shapes • describe position and direction, for example, inside, outside, above, below, next to, behind, in front of, up, down.	When transferring meaning into symbols learners: • sort, describe and label 2D and 3D shapes • analyse and describe the relationships between 2D and 3D shapes • create and describe symmetrical and tessellating patterns • identify lines of reflective symmetry • represent ideas about the real world using geometric vocabulary and symbols, for example, through oral description, drawing, modelling, labelling • interpret and create simple directions, describing paths, regions, positions and boundaries of their immediate environment.	When transferring meaning into symbols learners: • sort, describe and model regular and irregular polygons • describe and model congruency and similarity in 2D shapes • analyse angles by comparing and describing rotations: whole turn; half turn; quarter turn; north, south, east and west on a compass • locate features on a grid using coordinates • describe and/or represent mental images of objects, patterns, and paths.	When transferring meaning into symbols learners: • analyse, describe, classify and visualize 2D (including circles, triangles and quadrilaterals) and 3D shapes, using geometric vocabulary • describe lines and angles using geometric vocabulary • identify and use scale (ratios) to enlarge and reduce shapes • identify and use the language and notation of bearing to describe direction and position • create and model how a 2D net converts into a 3D shape and vice versa • explore the use of geometric ideas and relationships to solve problems in other areas of mathematics.

When applying with	When applying with	When applying with
understanding	understanding	understanding
learners:	learners:	learners:
 analyse and use what they 	 analyse and describe 2D and 	 use geometric vocabulary
know about 3D shapes to	3D	when
describe and work with 2D	shapes, including regular and	describing shape and space in
shapes	irregular polygons, using	mathematical situations and
 recognize and explain 	geometrical vocabulary	beyond
simple	 identify, describe and model 	• use scale (ratios) to enlarge
symmetrical designs in the	congruency and similarity in 2D	and reduce shapes
environment	shapes	 apply the language and
 apply knowledge of 	 recognize and explain 	notation of bearing to
symmetry to problem-	symmetrical	describe direction and
solving situations	patterns, including tessellation,	position
 interpret and use simple 	in the environment	 use 2D representations of
directions, describing paths,	 apply knowledge of 	3D objects to visualize and
regions, positions and	transformations to problem-	solve problems, for example
boundaries of their	solving situations.	using drawings or models.
immediate	-	
environment.		
	When applying with understanding learners: • analyse and use what they know about 3D shapes to describe and work with 2D shapes • recognize and explain simple symmetrical designs in the environment • apply knowledge of symmetry to problem- solving situations • interpret and use simple directions, describing paths, regions, positions and boundaries of their immediate environment.	When applying with understanding learners:When applying with understanding learners:• analyse and use what they know about 3D shapes to describe and work with 2D shapes• analyse and describe 2D and 3D• analyse and describe 2D and 3D3Dshapes• analyse and describe 2D and 3D• recognize and work with 2D shapes• analyse and describe 2D and 3D• recognize and work with 2D shapes• analyse and describe 2D and 3D• recognize and work with 2D shapes• analyse and describe 2D and 3D• recognize and work with 2D shapes• analyse and describe 2D and 3D• recognize and work with 2D shapes• analyse and describe 2D and 3D• recognize and explain symmetrical designs in the environment• apply goons, using geometrical vocabulary• apply knowledge of symmetry to problem- solving situations• identify, describe and model congruency and similarity in 2D shapes• apply knowledge of symmetrical patterns, including tessellation, in the environment• apply knowledge of transformations to problem- solving situations.• interpret and use simple directions, describing paths, regions, positions and boundaries of their immediate environment.• apply knowledge of transformations to problem- solving situations.

Mathematics: Pattern and Function

Phase 1	Phase 2	Phase 3	Phase 4
Conceptual understandings	Conceptual understandings	Conceptual understandings	Conceptual understandings
Patterns and sequences occur in everyday situations. Patterns repeat and grow.	Whole numbers exhibit patterns and relationships that can be observed and described. Patterns can be represented using numbers and other symbols.	Functions are relationships or rules that uniquely associate members of one set with members of another set. By analysing patterns and identifying rules for patterns it is possible to make predictions.	Patterns can often be generalized using algebraic expressions, equations or functions. Exponential notation is a powerful way to express repeated products of the same number.

Learning outcomes	Learning outcomes	Learning outcomes	Learning outcomes
When constructing	When constructing	When constructing	When constructing
meaning learners:	meaning learners:	meaning learners:	meaning learners:
• understand that patterns can be found in everyday situations, for example, sounds, actions, objects, nature.	 understand that patterns can be found in numbers, for example, odd and even numbers, skip counting understand the inverse relationship between addition and subtraction understand the associative and commutative properties of addition. 	 understand that patterns can be analysed and rules identified understand that multiplication is repeated addition and that division is repeated subtraction understand the inverse relationship between multiplication and division understand the associative and commutative properties of multiplication. 	 understand that patterns can be generalized by a rule understand exponents as repeated multiplication understand the inverse relationship between exponents and roots understand that patterns can be represented, analysed and generalized using tables, graphs, words, and, when possible, symbolic rules.
When transferring	When transferring	When transferring	When transferring
meaning into	meaning into	meaning into	meaning into
symbols learners:	symbols learners:	symbols learners:	symbols learners:
• describe patterns in various ways, for example, using words, drawings, symbols, materials, actions, numbers.	 represent patterns in a variety of ways, for example, using words, drawings, symbols, materials, actions, numbers describe number patterns, for example, odd and even numbers, skip counting. 	 describe the rule for a pattern in a variety of ways represent rules for patterns using words, symbols and tables identify a sequence of operations relating one set of numbers to another set. 	 represent the rule of a pattern by using a function analyse pattern and function using words, tables and graphs, and, when possible, symbolic rules
When applying with understanding learners:	When applying with understanding learners:	When applying with understanding learners:	When applying with understanding learners:
• extend and create patterns.	 extend and create patterns in numbers, for example, odd and even numbers, skip counting use number patterns to represent and understand real-life situations use the properties and relationships of addition and subtraction to solve problems. 	 select appropriate methods for representing patterns, for example using words, symbols and tables use number patterns to make predictions and solve problems use the properties and relationships of the four operations to solve problems. 	 select appropriate methods to analyse patterns and identify rules use functions to solve problems.

Mathematics: Numbers

Phase 1	Phase 2	Phase 3	Phase 4
Conceptual	Conceptual	Conceptual	Conceptual
understandings	understandings	understandings	understandings
Numbers are a naming system. Numbers can be used in many ways for different purposes in the real world. Numbers are connected to each other through a variety of relationships. Making connections between our experiences with number can help us to develop number sense.	The base 10 place value system is used to represent numbers and number relationships. Fractions are ways of representing whole part relationships. The operations of addition, subtraction, multiplication and division are related to each other and are used to process information to solve problems. Number operations can be modelled in a variety of ways. There are many mental methods that can be applied for exact and approximate computations.	The base 10 place value system can be extended to represent magnitude. Fractions and decimals are ways of representing whole- part relationships. The operations of addition, subtraction, multiplication and division are related to each other and are used to process information to solve problems. Even complex operations can be modelled in a variety of ways, for example, an algorithm is a way to represent an operation.	The base 10 place value system extends infinitely in two directions. Fractions, decimal fractions and percentages are ways of representing whole-part relationships. For fractional and decimal computation, the ideas developed for whole-number computation can apply. Ratios are a comparison of two numbers or quantities.
	Looming outcomos		
When constructing	When constructing	When constructing	When constructing
meaning learners:	meaning learners:	meaning learners:	meaning learners:
 understand one-to-one correspondence understand that, for a set of objects, the number name of the last object counted describes the quantity of the whole set understand that numbers can be constructed in multiple ways, for example, by combining and partitioning understand conservation of number* understand the relative magnitude of whole numbers recognize groups of zero to five objects without counting (subitizing) part relationships use the language of mathematics to compare quantities, for example, more, less, first, second. 	 model numbers to hundreds or beyond using the base 10 place value system** estimate quantities to 100 or beyond model simple fraction relationships use the language of addition and subtraction, for example, add, take away, plus, minus, sum, difference model addition and subtraction of whole numbers develop strategies for memorizing addition and subtraction number facts estimate sums and differences understand situations that involve multiplication and 	 model numbers to thousands or beyond using the base 10 place value system model equivalent fractions use the language of fractions, for example, numerator, denominator model decimal fractions to hundredths or beyond model multiplication and division of whole numbers use the language of multiplication and division, for example, factor, multiple, product, quotient, prime numbers, composite number model addition and subtraction of fractions with related denominators**** model addition and subtraction of decimals. 	 model numbers to millions or beyond using the base 10 place value system model ratios model integers in appropriate contexts model exponents and square roots model improper fractions and mixed numbers simplify fractions using manipulatives model decimal fractions to thousandths or beyond model percentages understand the relationship between fractions, decimals and percentages model addition, subtraction, multiplication and division of fractions

	• model addition and subtraction of fractions with the same denominator.		subtraction, multiplication and division of decimals.
When transferring	When transferring	When transferring	When transferring
meaning into	meaning into	meaning into	meaning into
symbols learners:	symbols learners:	symbols learners:	symbols learners:
 connect number names 	 read and write whole 	 read, write, compare and 	 read, write, compare and
and numerals to the	numbers up to hundreds or	order whole numbers up to	order whole numbers up to
quantities they	beyond	thousands or beyond	millions or beyond
represent.	 read, write, compare and 	 develop strategies for 	 read and write ratios
	order cardinal and ordinal	memorizing addition,	• read and write integers in
		subtraction, multiplication	appropriate contexts
	• describe mentar and		• read and write exponents
	and subtracting	• read, while, compare and	and square roots
		• road and write equivalent	• convert improper fractions
	two-aigit numbers.	fractions	versa
		• read, write, compare and	• simplify fractions in mental
		hundredths or beyond	 read, write, compare and
		 describe mental and 	order decimal fractions to
		written strategies for	thousandths or beyond
		multiplication and	• read, write, compare and
		division.	order percentages
			• convert between fractions,
			decimals and percentages.

When applying with	When applying with	When applying with	When applying with
understanding	understanding	understanding	understanding
learners:	learners:	learners:	learners:
 count to determine the number of objects in a set use number words and numerals to represent quantities in real-life Situations use the language of mathematics to compare quantities in real-life situations, for example, more, less, first, second subitize in real-life situations use simple fraction names in real-life situations. 	 use whole numbers up to hundreds or beyond in real- life situations use cardinal and ordinal numbers in real-life situations use fast recall of addition and subtraction number facts in real-life situations use fractions in real-life situations use mental and written strategies for addition and subtraction of twodigit numbers or beyond in real- life situations select an appropriate method for solving a problem, for example, mental estimation, mental or written strategies, or by using a calculator use strategies to evaluate the reasonableness of answers. 	 use whole numbers up to thousands or beyond in real- life situations use fast recall of multiplication and division number facts in real-life situations use decimal fractions in real-life situations use mental and written strategies for multiplication and division in real-life situations select an efficient method for solving a problem, for example, mental estimation, mental or written strategies, or by using a calculator use strategies to evaluate the reasonableness of answers add and subtract fractions with related denominators in real-life situations add and subtract decimals in real-life situations, including money estimate sum, difference, product and quotient in real- life situations including fractions and decimals. 	 use whole numbers up to millions or beyond in real-life situations use ratios in real-life situations use integers in real-life situations convert improper fractions to mixed numbers and vice versa in real-life situations simplify fractions in computation answers use fractions, decimals and percentages interchangeably in reallife situations select and use an appropriate sequence of operations to solve word problems select an efficient method for solving a problem: mental estimation, mental computation, written algorithms, by using a calculator use strategies to evaluate the reasonableness of answers use mental and written strategies for adding, subtracting, multiplying and dividing fractions and decimals in real-life situations estimate and make approximations in real-life situations involving fractions, decimals and percentages.

Science within a transdisciplinary program

In the Primary Years Programme (PYP), science is viewed as the exploration of the biological, chemical and physical aspects of the natural world, and the relationships between them. Our understanding of science is constantly changing and evolving. The inclusion of science within the PYP leads learners to an appreciation and awareness of the world as it is viewed from a scientific perspective. It encourages curiosity and ingenuity and enables the student to develop an understanding of the world. Reflection on scientific knowledge also helps students to develop a sense of responsibility regarding the impact of their actions on themselves, others and their world. It is recognized that teaching and learning science as a subject, while necessary, is not sufficient. Of equal importance is the need to learn science in context, exploring content relevant to students, and transcending the boundaries of the traditional subject area. The transdisciplinary themes provide the framework for a highly defined, focused, in-depth programme of inquiry, and as science is relevant to all the transdisciplinary themes, all planned science learning should take place within this framework. In return, the science knowledge and the application of that knowledge will enhance inquiries into the central ideas defined by the transdisciplinary themes. It is worthwhile to note that spontaneous, student-initiated science inquiries will occur that are not directly related to any planned units of inquiry. These are valuable teaching and learning experiences in themselves and they provide teachers and students with the opportunity to apply the pedagogy of the PYP to authentic, of-the-moment situations.

What do we want students to know?

The science component of the PYP should be characterized by concepts and skills rather than by content. However, schools should ensure that a breadth and balance of science content is covered through the units of inquiry. The knowledge component of science in the PYP is arranged into four strands: living things, Earth and space, materials and matter, and forces and energy.

Science Strands

Living things: The study of the characteristics, systems and behaviours of humans and other animals, and of plants; the interactions and relationships between and among them, and with their environment.

Related concepts: adaptation, animals, biodiversity, biology, classification, conservation, ecosystems, evolution, genetics, growth, habitat, homeostasis, organism, plants, systems (digestive, nervous, reproductive, respiratory).

Earth and space: The study of planet Earth and its position in the universe, particularly its relationship with the sun; the natural phenomena and systems that shape the planet and the distinctive features that identify it; the infinite and finite resources of the planet.

Related concepts: atmosphere, climate, erosion, evidence, geography, geology, gravity, renewable and non-renewable energy sources, resources, seasons, space, sustainability, systems (solar, water cycle, weather), tectonic plate movement, theory of origin.

Materials and matter: The study of the properties, behaviours and uses of materials, both natural and human-made; the origins of human-made materials and how they are manipulated to suit a purpose.

Related concepts: changes of state, chemical and physical changes, conduction and convection, density, gases, liquids, properties and uses of materials, solids, structures, sustainability.

Forces and energy The study of energy, its origins, storage and transfer, and the work it can do; the study of forces; the application of scientific understanding through inventions and machines.

Related concepts: conservation of energy, efficiency, equilibrium, forms of energy (electricity, heat, kinetic, light, potential, sound), magnetism, mechanics, physics, pollution, power, technological advances, transformation of energy.

Related concepts: While the key concepts have been identified, related concepts could provide further links to the transdisciplinary programme of inquiry or further understanding of the subject area.

Social Science within a transdisciplinary program

In the Primary Years Programme (PYP), social studies learning guides students towards a deeper understanding of themselves and others, and of their place in an increasingly global society. It provides opportunities for students to look at and think about human behaviour and activity realistically, objectively, and with sensitivity. Exposure to and experience with social studies therefore opens doors to key questions about life and learning.

It is recognized that teaching and learning social studies as a subject, while necessary, is not sufficient. Of equal importance is the need to learn social studies in context, exploring content relevant to students, and transcending the boundaries of the traditional subject area. The transdisciplinary themes provide the framework for a highly defined, focused, in-depth programme of inquiry, and as social studies is relevant to all the transdisciplinary themes, all planned social studies learning should take place within this framework. In return, the social studies knowledge and the application of that knowledge will enhance inquiries into the central ideas defined by the transdisciplinary themes.

It is worthwhile to note that there will be occasions that present themselves for student-initiated, spontaneous, social studies inquiries that are not directly related to any planned units of inquiry. These are valuable teaching and learning experiences in themselves and they provide teachers and students with the opportunity to apply the pedagogy of the PYP to authentic, of-the-moment situations.

The social studies component of the PYP should be characterized by concepts and skills rather than by content. However, schools should ensure that a breadth and balance of social studies content is covered through the units of inquiry. The knowledge component of social studies in the PYP is arranged into five strands: human systems and economic activities, social organization and culture, continuity and change through time, human and natural environments, and resources and the environment. These strands are concept-driven and are inextricably linked to each other. They also provide links to other subject areas of the PYP curriculum model.

Social Studies is defined as the study of people in relation to their past, their environment and their society. Its subject matter covers what is traditionally known as History, Geography and Social Science and aims to prepare the students for the IB Middle Years Programme in these subjects. In the PYP, social studies are viewed as the study of people in relation to their past, their

present and their future, their environment and their society. Within this scope and sequence document there are 5 different strands that are collectively known as social studies:

Social Science Strands

Strand		Central Concept	Related Concept
Human systems and economic activities	The study of how and why people construct organizations and systems; the ways in which people connect locally and globally; the distribution of power and authority.	Communications Conflict Cooperation Education Employment Freedom	Governments Justice Legislation Production Transportation
Social organization and culture	The study of people, communities, cultures and societies; the ways in which individuals, groups and societies interact with each other.	Artefacts Authority Citizenship Communication Conflict Diversity Family	Identity Networks Prejudice Religion Rights Roles Traditions.
Continuity and change through time	The study of the relationships between people and events through time; the past, its influences on the present and its implications for the future; people who have shaped the future through their actions.	Chronology Civilizations Conflict Discovery, Exploration	History Innovation Migration Progress Revolution.
Human and natural environments	The study of the distinctive features that give a place its identity; how people adapt to and alter their environment; how people experience and represent place; the impact of natural disasters on people and the built environment.	Amenities Borders (natural, social and political) Dependence Geography Impact Landscape	Locality, Ownership Population Regions Settlements.
Resources and the environment	The interaction between people and the environment; the study of how humans allocate and manage resources; the positive and negative effects of this management; the impact of scientific and technological developments on the environment.	Conservation Consumption Distribution Ecology Energy	Interdependence Pollution Poverty Sustainability Wealth

Learning continuum for Music

	Phase 1 students will be able to	Phase 2 students will be able to	Phase 3 students will be able to	Phase 4 students will be able to
Responding	explore body and untuned percussion instrument sounds recognise different sources of music in daily life	express their responses to music from different cultures and styles sing individually and in unison	sing with accuracy and control focusing awareness on the musical elements sing partner songs	explain the role and relevance of music in their own culture, its uses and associations through place and time
	recognise that sound can be notated in a variety of ways. use voice to imitate sounds and learn songs	create a musical composition to match the mood of a visual image (for example, paintings, photographs, film)	create and perform a movement sequence accompanied by music that they have created	interpret and explain the cultural and/or historical perspectives of a musical composition
	move their bodies to express the mood of the music bring music from home to	recognise music from a basic range of cultures and styles	discuss music that relates to social issues and/or values	modify their practices and/or compositions based on the audience's responses
	snare describe how music makes them feel describe the differences in	explore individually or collectively a musical response to a narrated story	snare and compare their experiences as audience members at various performances	explore different artistic presentations that are/ were innovative and their implications.
	distinguish the sounds of	reflect on and communicate their reactions to music using	from different times and places	sing individually and in harmony
	different instruments in music listen to music and create	record and share the stages of the process of	describe the process used to create their own music and	
	their own work in response express their responses to music in multiple ways (drawings, games, songs,	creating a composition share performances with each other and give	compare it with others, in order to improve their compositions	
	dance, oral discussion)	constructive criticism.	analyse different compositions describing how the musical elements enhance the message	
			reflect upon how their music expresses their personal voice and the impact it has on others.	
Creating	explore body and untuned percussion instrument sounds	express their responses to music from different cultures and styles	sing with accuracy and control focusing awareness on the musical elements	incorporate the other arts and available resources in order to broaden their creative
	recognise different sources of music in daily life	sing individually and in unison	sing partner songs	expression create music that will
	recognise that sound can be notated in a variety of ways. use voice to imitate	create a musical composition to match the mood of a visual image (for example, paintings,	create and perform a movement sequence accompanied by music that they have created	be continually refined after being shared with others
	sounds and learn songs move their bodies to express the mood of the	photographs, film) recognise music from a basic range of cultures and	discuss music that relates to social issues and/or values	read and write music in traditional and/or non- traditional notation.
	music bring music from home to share	styles explore individually or collectively a musical	share and compare their experiences as audience members at various	present, in small groups, innovative musical performances on a selected issue
	describe how music makes them feel	response to a narrated story	performances	

describe the music distinguish t different ins music listen to mu their own w express the music in mu (drawings, g dance, oral	e differences in refle com read the sounds of truments in reco sic and create ork in response to r responses to ltiple ways james, songs, discussion)	lect on and nmunicate their ctions to music using sical vocabulary ord and share the ges of the process of ating a composition are performances with ch other and give istructive criticism.	compare aspects of music from different times and places describe the process used to create their own music and compare it with others, in order to improve their compositions analyse different compositions describing how the musical elements enhance the message reflect upon how their music expresses their personal voice and the	
			personal voice and the impact it has on others.	

Learning continuum for Visual Arts

	Phase 1 students will be	Phase 2 students will be	Phase 3 students will be	Phase 4 students will be
	able to	able to	able to	able to
Responding	enjoy experiencing artworks	sharpen their powers of observation	compare, contrast and categorize artworks from a range of cultures, places	explain the cultural and historical perspectives of an artwork
	show curiosity and ask	identify the formal elements of an artwork	and times	understand the role and
	questions about artworks	use appropriate	identify and consider the contexts in which artworks	relevance of visual arts in society
	about an artwork	artwork	use their knowledge and	reflect on the factors that influence personal
	identify the materials and processes used in the	describe similarities and differences between	experiences to make informed interpretations of	reactions to artwork
	creation of an artwork	artworks	artworks	reflect throughout the creative process to
	analyse the relationships within an artwork and construct meanings	identify the stages of their own and others' creative processes	reflect on their own and others' creative processes to inform their thinking	challenge their thinking and enact new and unusual possibilities
	communicate their initial responses to an artwork in visual, oral or physical modes	become an engaged and responsive audience for a variety of art forms.	use relevant and insightful questions to extend their understanding	critique and make informed judgments about artworks.
	make personal connections to artworks	investigate the purposes of artwork from different times, places and a range of cultures including their	recognize that different audiences respond in different ways to artworks	
	express opinions about an artwork	own	provide constructive criticism when responding to artwork.	
	create artwork in response to a variety of stimuli.			
Creating	enjoy experiencing artworks	sharpen their powers of observation	compare, contrast and categorize artworks from a range of cultures, places	become increasingly independent in the realization of the
	show curiosity and ask questions about artworks	identify the formal elements of an artwork	and times	creative process
	describe what they notice about an artwork	use appropriate terminology to discuss	identify and consider the contexts in which artworks were made	adjust and refine their creative process in response to
	identify the materials and processes used in the creation of an artwork	artwork	use their knowledge and experiences to make	constructive criticism identify factors to be considered when

analyse the relationships	describe similarities and	informed interpretations of	displaying an artwork
	amerences between	artworks	utilize a bread variable of
construct meanings	artworks	reflect on their own and	utilize a broad range of
communicato thoir initial		others' creative processos	ways to make meaning
	identify the stages of their	to inform their thinking	coloct uppopulation
responses to an artwork in	identity the stages of their		develop op ideo or
visual, oral or physical	own and others creative		develop an idea or
modes	processes	use relevant and insightful	theme for an artwork
make personal connections		questions to extend their	
to artworks	become an engaged and	understanding	develop an awareness
	responsive audience for a		of their personal
express opinions about an	variety of art forms.	recognize that different	preferences.
artwork		audiences respond in	
	investigate the purposes of	different ways to artworks	
create artwork in response	artwork from different		
to a variety of stimuli.	times, places and a range	provide constructive	
	of cultures including their	criticism when responding	
	own	to artwork.	

Learning continuum for PSPE:

Since learning is a developmental process and that the phases a learner passes through are not always linear or age related. Thus the content is presented in continuums for each of the three strands of PSPE—identity, active living, and interactions.

Identity

Phase 1 Learners have an awareness of themselves and how they are similar and different to others. They can describe how they have grown and changed, and they can talk about the new understandings and abilities that have accompanied these changes. They demonstrate a sense of competence with developmentally appropriate daily tasks and can identify and explore strategies that help them cope with change. Learners reflect on their experiences in order to inform future learning and to understand themselves better.

Phase 2 Learners understand that there are many factors that contribute to a person's identity and they have an awareness of the qualities, abilities, character and characteristics that make up their own identity. They are able to identify and understand their emotions in order to regulate their emotional responses and behaviour. Learners explore and apply different strategies that help them approach challenges and new situations with confidence.

Phase 3 Learners understand that a person's identity is shaped by a range of factors and that this identity evolves over time. They explore and reflect on the strategies they use to manage change, approach new challenges and overcome adversity. They analyse how they are connected to the wider community and are open to learning about others. Learners use their understanding of their own emotions to interact positively with others. They are aware that developing self-reliance and persisting with tasks independently will support their efforts to be more autonomous learners.

Phase 4 Learners understand that the physical changes they will experience at different stages in their lives affect their evolving identities. They understand that the values, beliefs and norms within society can impact on an individual's self-concept and self-worth. Learners understand that being emotionally aware helps them to manage relationships. They recognize and describe how a sense of self-efficacy contributes to human accomplishments and personal well-being. Learners apply and reflect on strategies that develop resilience and, in particular, help them to cope with

change, challenge and adversity in their lives.

Active living

Phase 1 Learners show an awareness of how daily practices, including exercise, can have an impact on well-being. They understand that their bodies change as they grow. They explore the body's capacity for movement, including creative movement, through participating in a range of physical activities. Learners recognize the need for safe participation when interacting in a range of physical contexts.

Phase 2 Learners recognize the importance of being physically active, making healthy food choices, and maintaining good hygiene in the development of well-being. They explore, use and adapt a range of fundamental movement skills in different physical activities and are aware of how the body's capacity for movement develops as it grows. Learners understand how movements can be linked to create sequences and that these sequences can be created to convey meaning. They understand their personal responsibilities to themselves and others in relation to safety practices.

Phase 3 Learners understand the factors that contribute to a healthy lifestyle. They understand that they can enhance their participation in physical activities through developing and maintaining physical fitness, refining movement skills, and reflecting on technique and performance. Learners are able to identify different stages of life and understand that rates of development are different for everyone. Learners understand that there are potential positive and negative outcomes for risk-taking behaviours and are able to identify these risks in order to maximize enjoyment and promote safety.

Phase 4 Learners understand the interconnectedness of the factors that contribute to a safe and healthy lifestyle, and set goals and identify strategies that will help develop well-being. They understand the physical, social and emotional changes associated with puberty. They apply movement skills appropriately, and develop plans to help refine movements, improve performance and enhance participation in a range of physical contexts.

Interactions

Phase 1 Learners interact, play and engage with others, sharing ideas, cooperating and communicating feelings in developmentally appropriate ways. They are aware that their behaviour affects others and identify when their actions have had an impact. Learners interact with, and demonstrate care for, local environments.

Phase 2 Learners recognize the value of interacting, playing and learning with others. They understand that participation in a group can require them to assume different roles and responsibilities and they show a willingness to cooperate. They nurture relationships with others, sharing ideas, celebrating successes and offering and seeking support as needed. Learners understand that responsible citizenship involves conservation and preservation of the environment.

Phase 3 Learners understand that group work can be enhanced through the development of a plan of action and through identifying and utilizing the strengths of individual group members. Learners reflect on the perspectives and ideas of others. They understand that healthy relationships are supported by the development and demonstration of constructive attitudes towards other people and the environment.

Phase 4 Learners understand that they can experience intrinsic satisfaction and personal growth from interactions with others in formal and informal contexts. They understand the need for developing and nurturing relationships with others and are able to apply strategies independently to resolve conflict as it arises. They recognize that people have an interdependent relationship with the environment and other living things and take action to restore and repair when harm has been done.

The PYP as a holistic program

The word "holistic" is much abused. Nonetheless, it is applicable in describing the PYP curriculum model that presents the essential elements as a whole; the written, taught and assessed components of the curriculum as a whole; the transdisciplinary themes and subject areas as aspects of a whole; and the school community as a whole. It is a difficult task to try to represent a holistic programme visually, particularly one as multifaceted as the PYP. However, figure below is an attempt to condense and articulate those parts as simply as possible.



References:

(2009). Making the PYP happen: A curriculum framework for international primary education.