

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Transdisciplinary themes	How we express ourselves 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.	Where we are in place and time An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and the interconnectedness of individuals and civilizations, from local and global perspectives.	How the world works 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.	Who we are Inquiry into the nature of the self; beliefs and values; person, physical, mental, social and spiritual health; human relationships including families, friends, communities, and cultures; rights and responsibilities; what it means to be human	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 Access to equal opportunities Peace and conflict resolution
Dates	29 August 2022- 21 October 2022	31 October 2022 -16 December 2022	9 January 2023 - 24 February 2023	6 March 2023 - 6 April 2023	10 April 2023 - 26 May 2023	29 May 2023 - 30 June 2023
Unit of inquiry	Creative Writing Prose seeks to entertain the reader and is usually imaginative or creative in nature; it provokes an emotional response through the development of character, setting and plot. Lines of Inquiry <ul style="list-style-type: none"> Wondering about texts and asking questions helps us to understand the meaning. Different types of texts serve different purposes. An author follows a writing process from brainstorming, drafting, editing, and publishing. Cultures and heritages have features. Actors have to make choices regarding voice, movement, body language and costume to create a character. 	Past Civilisations Systems develop over time and continue to have influence throughout time. Lines of Inquiry <ul style="list-style-type: none"> Processes of historical investigation including reading historical text help us make conclusions about the past. Civilisations throughout time still have influence today such as money and number systems. Changing technologies have made people's lives more efficient. Scholars can learn from data. 	Materials and matter Scientific understandings are used to inform decisions and to solve problems that directly affect people's lives. Lines of Inquiry <ul style="list-style-type: none"> Changes to materials can be reversible or irreversible. Graphs, diagrams and sketches can be used to represent processes in the real world. Sometimes similar investigations give different results given similar instructions. Clear communication enables scientists to inform others about their work. 	Body and systems The brain drives the systems within the body. Lines of Inquiry <ul style="list-style-type: none"> Signals get sent to and from the brain to coordinate the body functions and sense the environment. Using self-knowledge allows us to embrace new situations with confidence. The way a student feels, thinks, behaves and motivates himself influences student agency. Collection and analysis of data informs future decisions. Explicit description is needed to allow people to understand 	Marketplace We can use fractions, decimals and percentages in a variety of ways in real life situations. Lines of Inquiry <ul style="list-style-type: none"> How fractions, decimals and percentages are related. How we use fractions, decimals and percentages in our daily lives. Strategies we can use when manipulating fractions, decimals or percentages Determining the mean, mode, range, and median of data. 	Rocks & Minerals The use of rocks and minerals by humanity affects the environment we live in. Lines of Inquiry <ul style="list-style-type: none"> Rocks and minerals have unique characteristics and properties that are a result of how they were formed and can be changed through natural processes such as erosion. Removing rocks and minerals from the earth changes the environment. Spoken text can motivate the audience. Evaluating data used enables confidence about the conclusions drawn.
Approaches to learning (ATL's)	Thinking skills Communication skills Self-management skills	Communication skills	Research skills Communication skills Thinking skills	Thinking skills Research skills Communication skills Social skills Self-management skills	Thinking skills Research skills	Research skills Communication skills Social skills
Learner profile (LP)	Communicators Open-minded	Inquirers Knowledgeable Thinkers	Knowledgeable Thinkers Communicators Risk takers reflective	Communicators Balanced Reflective	Inquirers Knowledgeable Thinkers communicators	Inquirers Thinkers Communicators Principled
Key concepts	Form Perspective	Form Change Connection	Change Responsibility	Function Causation	Function Causation Responsibility	Form Change Responsibility

<p>Integrated LANGUAGE</p>	<p>Language strand Written language</p> <p>Language focus Writing and creative story</p>	<p>Language strand Visual language Written language</p> <p>Language focus</p> <ul style="list-style-type: none"> • Recount writing • Historical factual recounts • Historical literal recounts 	<p>Language strand Written language</p> <p>Language focus</p> <ul style="list-style-type: none"> • Procedure text • Write a lab report following the scientific method • Question • Hypothesis • Procedure • Experiment • Conclusion 	<p>Language strand Oral language Written language</p> <p>Language focus</p> <ul style="list-style-type: none"> • Explanation text • Paragraphs • Diagrams • Present explanation text (for oral language) 	<p>Language strand Oral language Visual language Written language</p> <p>Language focus</p> <ul style="list-style-type: none"> • Persuasive text features • 5 paragraph sales pitch • Memorize sales pitch and presented to parents (as Sharks) 	<p>Language strand Oral language- listening and speaking</p> <p>Language focus</p> <ul style="list-style-type: none"> • Spoken text • Create a rap about a selected (or assigned) rock, mineral or fossil fuel deposit.
<p>Integrated MATH</p>	<p>Math strand Number</p> <p>Math focus</p> <ul style="list-style-type: none"> • Place value <p>Place value charts Up to 10,000's Decimal place value Whole numbers Decimal numbers</p>	<p>Math strand Data handling Number Measurement</p> <p>Math focus</p> <ul style="list-style-type: none"> • Telling time <p>Elapsed time 24h time 12h time Analogue- digital time Reading clocks</p> <p>Different types of number systems Binary, Roman numerals, Base-10</p> <ul style="list-style-type: none"> • Money <p>Using money Different currencies Buying/selling/trading Shop scenarios Creating change</p>	<p>Math strand Measurement</p> <p>Math focus</p> <ul style="list-style-type: none"> • Estimation of measurement • How to measure accurately using standard and non-standard ways focusing on (length, capacity, weight, mass) • Conversion of units 	<p>Math strand Number Data handling</p> <p>Math focus</p> <ul style="list-style-type: none"> • What is data? <p>Graphing How to collect data? (Tallying) How to display data? Creating proper questions to collect data. Knowing which graph to use for what info that is given. (Line graph, plot graph, picto graph, bar graph)</p>	<p>Math strand Data handling Number</p> <p>Math focus</p> <ul style="list-style-type: none"> • Probability <p>Probability vocabulary. Measuring probability with percentages. Mean Median Mode</p>	<p>Math strand Data handling</p> <p>Math focus</p> <ul style="list-style-type: none"> • Percentages, decimals and fractions. <p>What are they? How do they work? How are they connected? Percentages – 10%, 20%, 25%, 33.33%, 50%, 75%. Fractions – numerator and denominator Decimals</p> <p>Students group the rocks based on properties with data handling</p> <ul style="list-style-type: none"> • Focus on fraction and division relations
<p>Integrated SUBJECTS</p>	<p>Social studies strand Social organization and culture</p> <p>Social studies focus</p> <ul style="list-style-type: none"> • Home language • Home culture • Bring in stories from home 	<p>Social studies strand Human systems and economic activities</p> <p>Social studies focus</p> <ul style="list-style-type: none"> • Looking at old artefacts around the grade 4 classrooms • What is a civilization? • How have civilisations changed over time? • Communication has changed over time • Technology overtime 	<p>Science strand Materials and matter</p> <p>Science focus</p> <ul style="list-style-type: none"> • States of matter • Model many science experiments • Students write and perform their own science experiment • 	<p>Social studies strand Human systems and economic activities</p> <p>Social studies focus</p> <ul style="list-style-type: none"> • People's basic needs are different around the world. <p>Science strand Living things</p> <p>Science focus</p> <ul style="list-style-type: none"> • How the brain sends signals to the physical and mental parts of the body 	<p>Social studies strand Human systems and economic activities</p> <p>Social studies focus</p> <ul style="list-style-type: none"> • Learns about the world's needs via SDGs • Good citizens act on the needs of the community • Renewable and nonrenewable resources 	<p>Science strand Earth and space</p> <p>Science focus</p> <ul style="list-style-type: none"> • Erosion • Pros and cons of mining • Types of rocks • Taking care of the environment