A young boy with dark hair is looking through a telescope made of cardboard. He is holding the telescope with both hands and looking intently. The background is blurred, suggesting an indoor setting. The entire image has a teal color overlay.

5º

2018-2019

Thematic Scope and Sequence
English Pathway





Health and Well-being

Fifth Grade

Magnetik **Understanding:**
Making decisions influenced by social pressure can affect health negatively.

Magnetik **Question:**
How can social pressure affect our health?

Global **Issue:**
Addictions and eating disorders

Challenge-**Action Question:**
How can I avoid addictions and eating disorders?



Knotion® supports the Sustainable Development Goals



Knotion Subject	Topic	Learning Outcome	Content
 Language Mastery	<ul style="list-style-type: none"> • Word Knowledge 	<ul style="list-style-type: none"> • Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> • High-frequency words
		<ul style="list-style-type: none"> • Acquires new vocabulary words related to the challenge. 	<ul style="list-style-type: none"> • Challenge words
	<ul style="list-style-type: none"> • Phonics 	<ul style="list-style-type: none"> • Identifies short vowel sounds. 	<ul style="list-style-type: none"> • Short vowels a /æ/, e /ɛ/, i /ɪ/, o /ɒ/, u /ʌ/
		<ul style="list-style-type: none"> • Identifies long vowel sounds. 	<ul style="list-style-type: none"> • Long vowels a /eɪ/, e /i/, i /aɪ/, o /oʊ/, u /u/ /ju/
		<ul style="list-style-type: none"> • Recognizes r-controlled spelling patterns. 	<ul style="list-style-type: none"> • R-controlled vowels er, ir, ur, or /ɜr/, or /ɔr/, ar /ar/
		<ul style="list-style-type: none"> • Identifies and lists consonant digraphs. 	<ul style="list-style-type: none"> • Digraphs th /θ/ /ð/, sh /ʃ/, ch /tʃ/, ph /f/, wh /w/
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Identifies a simple sentence. 	<ul style="list-style-type: none"> • Sentences
		<ul style="list-style-type: none"> • Identifies the subject and predicate in a sentence. 	<ul style="list-style-type: none"> • Subjects and predicates
		<ul style="list-style-type: none"> • Describes the purpose of compound sentences. 	<ul style="list-style-type: none"> • Compound sentences and conjunctions
		<ul style="list-style-type: none"> • Uses correct punctuation when writing sentences. 	<ul style="list-style-type: none"> • Punctuation in compound sentences
 Reading Skills	<ul style="list-style-type: none"> • Genre 	<ul style="list-style-type: none"> • Understands that persuasive writing is a type of nonfiction writing used to convince the reader to agree with the author about an issue. 	<ul style="list-style-type: none"> • Persuasive article
	<ul style="list-style-type: none"> • Strategies and Skills 	<ul style="list-style-type: none"> • Describes how a narrator's or speaker's point of view influences how events are described. 	<ul style="list-style-type: none"> • Author's point of view
		<ul style="list-style-type: none"> • Asks and answers questions to demonstrate understanding of a text. 	<ul style="list-style-type: none"> • Asking and answering questions
		<ul style="list-style-type: none"> • Summarizes a story using the most important events and supporting details. 	<ul style="list-style-type: none"> • Summarizing
<ul style="list-style-type: none"> • Identifies the main idea of a story and the details that support it. 	<ul style="list-style-type: none"> • Main idea and key details 		
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Organizes ideas and information using a clear topic sentence, details, explanation, and concluding sentence, and supports opinions with relevant reasons. 	<ul style="list-style-type: none"> • Persuasive writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Follows interactions between third parties in group discussions and debates on different topics. 	<ul style="list-style-type: none"> • Panel discussion
		<ul style="list-style-type: none"> • Engages effectively in a range of collaborative discussions (one-on-one, in teams, and teacher-led) with diverse partners on fifth grade topics and texts, building on others' ideas and expressing their own ideas clearly. 	<ul style="list-style-type: none"> • Social interaction and balanced participation in conversation
		<ul style="list-style-type: none"> • Adapts language as appropriate to purpose: to persuade, explain and provide information, or express an opinion. 	<ul style="list-style-type: none"> • Effective communication of ideas
		<ul style="list-style-type: none"> • Exchanges expressions to organize meetings. 	<ul style="list-style-type: none"> • Expressions
		<ul style="list-style-type: none"> • Assumes the role of speaker during an exchange. 	<ul style="list-style-type: none"> • Role of speaker

Scientific Perspective



Knotion Subject	Topic	Learning Outcome	Content
 Life Science	<ul style="list-style-type: none"> • Health 	<ul style="list-style-type: none"> • Argues what is needed to keep the major body systems healthy. 	<ul style="list-style-type: none"> • Health risks related to drug, tobacco, and alcohol use and abuse
		<ul style="list-style-type: none"> • Evaluates effects of the use of tobacco, alcohol, and other addictive substances. 	<ul style="list-style-type: none"> • Goals and health enhancing choices regarding use of tobacco, alcohol, and other addictive substances
		<ul style="list-style-type: none"> • Evaluates healthy and unhealthy eating patterns. 	<ul style="list-style-type: none"> • Eating patterns and healthy diet
		<ul style="list-style-type: none"> • Identifies practices to keep the endocrine and nervous systems healthy. 	<ul style="list-style-type: none"> • Healthy habits such as hygiene, diet, rest, and exercise

Social Participation



Knotion Subject	Topic	Learning Outcome	Content
 Citizenship Awareness	<ul style="list-style-type: none"> • Civic Ideals, Cultural Principles, and Ethics 	<ul style="list-style-type: none"> • Recognizes emotions and how they affect themselves and others. 	<ul style="list-style-type: none"> • Different types of emotions
		<ul style="list-style-type: none"> • Differentiates social factors that have significant impact on the risk of addiction for the general population. 	<ul style="list-style-type: none"> • Different social factors related to addictions and substance abuse
		<ul style="list-style-type: none"> • Analyzes and compares social connections and relationships with addictions and eating disorders. 	<ul style="list-style-type: none"> • Causes and consequences of addiction and eating disorders
 Historical Awareness	<ul style="list-style-type: none"> • Historical Chronology 	<ul style="list-style-type: none"> • Explores how substance abuse, alcohol, and eating disorders treatments have changed over time. 	<ul style="list-style-type: none"> • Evolution of treatments for addictions and eating disorders



Biomes and Ecosystems

Fifth Grade

Magnetik **Understanding:**

The richness of an ecosystem is recognized by its biological diversity.

Magnetik **Question:**

Why should we care about biodiversity?

Global **Issue:**

Biodiversity loss

Challenge-**Action Question:**

What can I do to protect biodiversity and maintain the ecological balance?



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Knotion Subject	Topic	Learning Outcome	Content
 Language Mastery	<ul style="list-style-type: none"> • Word Knowledge 	<ul style="list-style-type: none"> • Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> • High-frequency words
		<ul style="list-style-type: none"> • Acquires new vocabulary words related to the challenge. 	<ul style="list-style-type: none"> • Challenge words
	<ul style="list-style-type: none"> • Phonics 	<ul style="list-style-type: none"> • Writes and spells words containing the diphthongs /oi/ and /ou/. 	<ul style="list-style-type: none"> • Diphthongs /ɔɪ/ and /oʊ/
		<ul style="list-style-type: none"> • Recognizes and writes words that contain the inflectional endings -s, -ing and -ed. 	<ul style="list-style-type: none"> • Inflectional endings
		<ul style="list-style-type: none"> • Creates plural nouns and uses them in sentences. 	<ul style="list-style-type: none"> • Plural nouns
		<ul style="list-style-type: none"> • Correctly distinguishes and pronounces the s and z sounds. 	<ul style="list-style-type: none"> • Words with /z/ and /s/ sounds
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Understands and uses the structure of as + base adjective + as to show comparisons of equality. 	<ul style="list-style-type: none"> • Comparatives of equality
		<ul style="list-style-type: none"> • Understands and uses adjectives as words that modify and provide characteristics about nouns. 	<ul style="list-style-type: none"> • Adjectives
		<ul style="list-style-type: none"> • Uses adjectives that compare. 	<ul style="list-style-type: none"> • Adjectives that compare
		<ul style="list-style-type: none"> • Uses adjectives that compare and their irregular forms. 	<ul style="list-style-type: none"> • Comparing with irregular forms
 Reading Skills	<ul style="list-style-type: none"> • Genre 	<ul style="list-style-type: none"> • Understands that realistic fiction is about specific characters and some event in their lives. 	<ul style="list-style-type: none"> • Realistic fiction
	<ul style="list-style-type: none"> • Strategies and Skills 	<ul style="list-style-type: none"> • Identifies story elements including setting, characters, and plot. 	<ul style="list-style-type: none"> • Characters, setting, and plot
		<ul style="list-style-type: none"> • Summarizes a story using the most important events and supporting details. 	<ul style="list-style-type: none"> • Summarizing
		<ul style="list-style-type: none"> • Retells important events in sequential order. 	<ul style="list-style-type: none"> • Sequence
		<ul style="list-style-type: none"> • Determines the theme of a story, drama, or poem from details in the text. 	<ul style="list-style-type: none"> • Theme
 Writing Workshop	<ul style="list-style-type: none"> • Type of Writing 	<ul style="list-style-type: none"> • Writes a research report that defines the topic, gathers information, determines credibility, and reports findings. 	<ul style="list-style-type: none"> • Research writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Delivers informational speech supporting spoken ideas with details and examples. 	<ul style="list-style-type: none"> • Informational speech
		<ul style="list-style-type: none"> • Reports on a topic or text or presents an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes. 	<ul style="list-style-type: none"> • Oral presentations and class participation
		<ul style="list-style-type: none"> • Adapts language as appropriate to purpose: to persuade, explain and provide information, or express an opinion. 	<ul style="list-style-type: none"> • Effective communication of ideas

Scientific Perspective

Knotion Subject	Topic	Learning Outcome	Content
 Life Science	<ul style="list-style-type: none"> • Ecology 	<ul style="list-style-type: none"> • Recognizes that edge environments occur naturally at many ecosystem boundaries increasing biodiversity. 	<ul style="list-style-type: none"> • Edge effect
		<ul style="list-style-type: none"> • Evaluates the factors that cause the loss of biodiversity and proposes solutions. 	<ul style="list-style-type: none"> • Habitat fragmentation, habitat loss, habitat degradation
		<ul style="list-style-type: none"> • Understands that habitat loss or fragmentation is frequently caused by human activity. 	<ul style="list-style-type: none"> • Human activities such as agriculture, rural development, urbanization, and the creation of hydroelectric reservoirs that have caused habitat loss or fragmentation
		<ul style="list-style-type: none"> • Analyzes and evaluates the current rate of global diversity loss. 	<ul style="list-style-type: none"> • A decline in species-specific habitat quality that leads to reduced survival and reproductive success in a population related to changes in food availability or climate
 Earth Science	<ul style="list-style-type: none"> • Earth's Systems 	<ul style="list-style-type: none"> • Explains how fossils provide important evidence of how environmental conditions have changed on the Earth over time. 	<ul style="list-style-type: none"> • Changes in atmospheric composition and movement of lithospheric plates

Social Participation

Knotion Subject	Topic	Learning Outcome	Content
 Environmental Awareness	<ul style="list-style-type: none"> • Human Interaction With the Environment 	<ul style="list-style-type: none"> • Understands that human actions are also becoming major drivers of ecosystem change. 	<ul style="list-style-type: none"> • Indirect and direct drivers of ecosystem change
		<ul style="list-style-type: none"> • Analyzes and compares the relationship between wildlife and human activity in an ecosystem. 	<ul style="list-style-type: none"> • Wildlife in specific ecosystems
		<ul style="list-style-type: none"> • Recognizes that wildlife conservation indirectly plays a role and contributes to the sustainability of the planet. 	<ul style="list-style-type: none"> • Wildlife conservation
 Historical Awareness	<ul style="list-style-type: none"> • Historical Chronology 	<ul style="list-style-type: none"> • Describes how ecosystems have changed over time. 	<ul style="list-style-type: none"> • Ecosystem changes over time



Science, Technology, and Innovation

Fifth Grade

Magnetik **Understanding:**

Using information and communication technologies responsibly keeps us safe.

Magnetik **Question:**

How can we use information and communication technologies safely?

Global **Issue:**

Social network risks

Challenge-Action **Question:**

What can I do to avoid the dangers associated with networking?



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Knotion Subject	Topic	Learning Outcome	Content
 Language Mastery	<ul style="list-style-type: none"> • Word Knowledge 	<ul style="list-style-type: none"> • Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> • High-frequency words
		<ul style="list-style-type: none"> • Acquires new vocabulary words related to the challenge. 	<ul style="list-style-type: none"> • Challenge words
	<ul style="list-style-type: none"> • Phonics 	<ul style="list-style-type: none"> • Identifies closed syllables in words. 	<ul style="list-style-type: none"> • Closed syllables
		<ul style="list-style-type: none"> • Identifies open syllables in words. 	<ul style="list-style-type: none"> • Open syllables
		<ul style="list-style-type: none"> • Identifies syllable division between two vowels. 	<ul style="list-style-type: none"> • Open syllables (v/v)
		<ul style="list-style-type: none"> • Reads and forms words that contain consonant-le. 	<ul style="list-style-type: none"> • Consonant +le syllable /əl/
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Uses present perfect tense accurately. 	<ul style="list-style-type: none"> • Present perfect tense with contractions
		<ul style="list-style-type: none"> • Uses auxiliary verb with the present perfect tense. 	<ul style="list-style-type: none"> • Auxiliary verb have with the present perfect tense
		<ul style="list-style-type: none"> • Identifies and uses present perfect and past simple tenses. 	<ul style="list-style-type: none"> • Present perfect and past simple tenses
		<ul style="list-style-type: none"> • Understands and uses adverbs. 	<ul style="list-style-type: none"> • Adverbs: ever, never, already, yet, and just
 Reading Skills	<ul style="list-style-type: none"> • Genre 	<ul style="list-style-type: none"> • Understands that the purpose of expository nonfiction is to teach readers about specific topics in an interesting way. 	<ul style="list-style-type: none"> • Expository text
	<ul style="list-style-type: none"> • Strategies and Skills 	<ul style="list-style-type: none"> • Identifies the author's purpose (example: to inform, entertain, or explain) in text. 	<ul style="list-style-type: none"> • Author's purpose
		<ul style="list-style-type: none"> • Asks and answers questions to demonstrate understanding of a text. 	<ul style="list-style-type: none"> • Asking and answering questions
		<ul style="list-style-type: none"> • Identifies the main idea of a story and the details that support it. 	<ul style="list-style-type: none"> • Main idea and key details
		<ul style="list-style-type: none"> • Identifies statements that show cause and effect and understands the difference between them. 	<ul style="list-style-type: none"> • Cause and effect
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Writes a series of steps that we can follow to make or do something. 	<ul style="list-style-type: none"> • Instructive writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Speaks clearly, accurately, and fluently using a series of steps that we can follow to make or do something. 	<ul style="list-style-type: none"> • How-to demonstration
		<ul style="list-style-type: none"> • Interprets information for following steps. 	<ul style="list-style-type: none"> • Following steps
		<ul style="list-style-type: none"> • Reports on a topic or text or presents an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes. 	<ul style="list-style-type: none"> • Oral presentations and class participation



Knotion Subject	Topic	Learning Outcome	Content
 Physical Science	<ul style="list-style-type: none"> • Motion, Forces, and Interactions 	<ul style="list-style-type: none"> • Identifies and explains properties of magnets. • Experiments with magnets to make things move without touching them. 	<ul style="list-style-type: none"> • Properties of magnets • Magnetic poles
	<ul style="list-style-type: none"> • Energy 	<ul style="list-style-type: none"> • Understands how matter becomes charged. 	<ul style="list-style-type: none"> • Atoms and their three kinds of particles; particles having a positive charge, a negative charge, or no charge
		<ul style="list-style-type: none"> • Understands that energy has different forms and provides examples. 	<ul style="list-style-type: none"> • Forms of energy (examples: potential, kinetic)
		<ul style="list-style-type: none"> • Compares ways the temperature of an object can be changed. 	<ul style="list-style-type: none"> • Temperature changes through rubbing, heating, bending of metal
		<ul style="list-style-type: none"> • Describes a simple open or closed electrical circuit. 	<ul style="list-style-type: none"> • Electrical circuit (example: battery or generator, wire, a complete loop through which the electrical current can pass)
		<ul style="list-style-type: none"> • Distinguishes parallel and series circuits. 	<ul style="list-style-type: none"> • Representation of a parallel or series circuit
		<ul style="list-style-type: none"> • Understands how energy can be transformed. 	<ul style="list-style-type: none"> • Electricity to light, light to heat, mechanical to heat
		<ul style="list-style-type: none"> • Understands that there is a relationship between electric currents and magnetic fields. 	<ul style="list-style-type: none"> • Relationship between electric currents and magnetic fields
		<ul style="list-style-type: none"> • Recognizes the uses of electromagnets. 	<ul style="list-style-type: none"> • Electromagnets



Knotion Subject	Topic	Learning Outcome	Content
 Citizenship Awareness	<ul style="list-style-type: none"> • Civic Ideals, Cultural Principles, and Ethics 	<ul style="list-style-type: none"> • Understands that some new technologies pose a risk to individual privacy and recognizes online information that can and cannot be shared. 	<ul style="list-style-type: none"> • Digital responsibility and risks to privacy, security, and copyrights
		<ul style="list-style-type: none"> • Understands that online communication is the exchange of information to interact effectively in order to collaborate appropriately. 	<ul style="list-style-type: none"> • Digital responsibility and information exchange and collaboration
		<ul style="list-style-type: none"> • Understands how to manage passwords, protecting oneself from others, protecting devices, and knowing when to ask for help. 	<ul style="list-style-type: none"> • Digital responsibility and managing passwords and personal information
		<ul style="list-style-type: none"> • Identifies rights and responsibilities, and acts in a responsible, legal, and ethical manner when it comes to using and sharing content online. 	<ul style="list-style-type: none"> • Digital responsibility and legal procedures to share content online
		<ul style="list-style-type: none"> • Knows how to respond to and prevent, as well as understand how to deal with unwanted or aggressive attention online. 	<ul style="list-style-type: none"> • Digital responsibility and inappropriate online interaction
		<ul style="list-style-type: none"> • Understands the rights and responsibilities of a digital citizen. 	<ul style="list-style-type: none"> • Digital responsibility and users' rights and responsibilities



Origins and Cultural Diversity

Fifth Grade

Magnetik **Understanding:**
Cultural heritage is often expressed through art.

Magnetik **Question:**
How does art reflect culture?

Global **Issue:**
Censorship

Challenge-**Action Question:**
How can I express my culture through art?

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DEVELOPMENT
GOALS**
knowledge in action

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Knotion Subject	Topic	Learning Outcome	Content
 Language Mastery	<ul style="list-style-type: none"> • Word Knowledge 	<ul style="list-style-type: none"> • Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> • High-frequency words
		<ul style="list-style-type: none"> • Acquires new vocabulary words related to the challenge. 	<ul style="list-style-type: none"> • Challenge words
	<ul style="list-style-type: none"> • Phonics 	<ul style="list-style-type: none"> • Identifies and correctly spells words with vowel teams. 	<ul style="list-style-type: none"> • Vowel team syllables
		<ul style="list-style-type: none"> • Reads and forms words that contain final -en and -le. 	<ul style="list-style-type: none"> • Final syllables /ən/ and /əl/
		<ul style="list-style-type: none"> • Understands that many words in English come from other languages and have unusual spellings. 	<ul style="list-style-type: none"> • Words from many cultures
		<ul style="list-style-type: none"> • Correctly pronounces and writes words with the consonant sounds of the letters j, ks, sk, s. 	<ul style="list-style-type: none"> • Consonant sounds /dʒ/, /ks/, /sk/, /s/
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Understands and uses the passive voice in simple present and past tenses. 	<ul style="list-style-type: none"> • Passive voice
		<ul style="list-style-type: none"> • Uses modal verbs to make polite requests and ask for obligation. 	<ul style="list-style-type: none"> • Modal verbs: must and have to
		<ul style="list-style-type: none"> • Uses modal verbs to make polite requests and ask for obligation. 	<ul style="list-style-type: none"> • Modal verbs: must and have to
		<ul style="list-style-type: none"> • Uses and combines the future simple, intentional future, and present progressive tenses. 	<ul style="list-style-type: none"> • Future simple, intentional future, and present progressive tenses
 Reading Skills	<ul style="list-style-type: none"> • Genre 	<ul style="list-style-type: none"> • Understands that free verse poems do not have to rhyme. 	<ul style="list-style-type: none"> • Free verse
	<ul style="list-style-type: none"> • Strategies and Skills 	<ul style="list-style-type: none"> • Creates a mental image that reflects or represents the ideas in the text. 	<ul style="list-style-type: none"> • Visualization
		<ul style="list-style-type: none"> • Determines the theme of a story, drama, or poem from details in the text. 	<ul style="list-style-type: none"> • Theme
		<ul style="list-style-type: none"> • Describe how a narrator's or speaker's point of view influences how events are described. 	<ul style="list-style-type: none"> • Author's point of view
		<ul style="list-style-type: none"> • Monitors and adjusts comprehension (example: using background knowledge, creating sensory images, re-reading a portion aloud). 	<ul style="list-style-type: none"> • Rereading
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Writes stories using descriptive words to make stories clearer and more interesting. 	<ul style="list-style-type: none"> • Creative writing
<ul style="list-style-type: none"> • Writes statements using descriptions and comparisons. 		<ul style="list-style-type: none"> • Statements and descriptions 	
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Interacts with and responds to a variety of print and nonprint media to analyze art. 	<ul style="list-style-type: none"> • Analyzing art
<ul style="list-style-type: none"> • Distinguishes and expresses similar and different natural features and cultural expressions between Mexico and other countries 		<ul style="list-style-type: none"> • Cultural expressions 	
<ul style="list-style-type: none"> • Adapts language as appropriate to purpose: to persuade, explain and provide information, or express an opinion. 		<ul style="list-style-type: none"> • Effective communication of ideas 	



Knotion Subject	Topic	Learning Outcome	Content
 Physical Science	<ul style="list-style-type: none"> Matter and Its Interactions 	<ul style="list-style-type: none"> Knows that materials may be made of parts too small to be seen without magnification. 	<ul style="list-style-type: none"> The atom as the smallest particle of an element
		<ul style="list-style-type: none"> Understands how atoms interact. 	<ul style="list-style-type: none"> Chemical compounds
		<ul style="list-style-type: none"> Identifies mixtures and separates some of them into their component parts. 	<ul style="list-style-type: none"> Mixtures and separation through filtering and evaporation
		<ul style="list-style-type: none"> Describes qualitatively the concentration of a solution. 	<ul style="list-style-type: none"> Types of solutions: saturated, unsaturated



Knotion Subject	Topic	Learning Outcome	Content
 Citizenship Awareness	<ul style="list-style-type: none"> Civic Ideals, Cultural Principles, and Ethics 	<ul style="list-style-type: none"> Identifies and explores different art forms. 	<ul style="list-style-type: none"> Different art forms
		<ul style="list-style-type: none"> Analyzes how art impacts personal choices. 	<ul style="list-style-type: none"> Artistic expression of people and society
		<ul style="list-style-type: none"> Evaluates the importance of art in expressing ideas and feelings. 	<ul style="list-style-type: none"> Ideas and feeling through art
		<ul style="list-style-type: none"> Recognizes art expressing controversial points of view. 	<ul style="list-style-type: none"> Artistic expressions with different points of view
 Historical Awareness	<ul style="list-style-type: none"> Causes and Consequences of Historical Events 	<ul style="list-style-type: none"> Examines historical events when artworks were destroyed or prohibited. 	<ul style="list-style-type: none"> Art censorship in history



Productivity and Economy

Fifth Grade

Magnetik **Understanding:**

The way people plan their budget impacts their lifestyle.

Magnetik **Question:**

Why is it important to have a personal budget?

Global **Issue:**

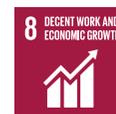
Overspending

Challenge-**Action Question:**

How can I organize my personal finances?



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Knotion Subject	Topic	Learning Outcome	Content
 Language Mastery	<ul style="list-style-type: none"> • Word Knowledge 	<ul style="list-style-type: none"> • Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> • High-frequency words
		<ul style="list-style-type: none"> • Acquires new vocabulary words related to the challenge. 	<ul style="list-style-type: none"> • Challenge words
	<ul style="list-style-type: none"> • Phonics 	<ul style="list-style-type: none"> • Identifies and correctly pronounces the schwa sound. 	<ul style="list-style-type: none"> • Schwa /ə/
		<ul style="list-style-type: none"> • Correctly pronounces and writes words with the final syllables -ant, -ent, -ance, -ence. 	<ul style="list-style-type: none"> • Final syllable -ant, -ent, -ance, -ence
		<ul style="list-style-type: none"> • Uses the prefixes un-, de-, dis- to decode and comprehend words. 	<ul style="list-style-type: none"> • Prefixes un-, de-, dis-
		<ul style="list-style-type: none"> • Correctly pronounces and writes words with ei and ie. 	<ul style="list-style-type: none"> • Words with ei and ie, /i/ and /e/
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Differentiates between the four different kinds of sentences. 	<ul style="list-style-type: none"> • Four kinds of sentences
		<ul style="list-style-type: none"> • Differentiates between independent and dependent clauses. 	<ul style="list-style-type: none"> • Independent and dependent clauses
		<ul style="list-style-type: none"> • Identifies and creates complex sentences. 	<ul style="list-style-type: none"> • Complex sentences
		<ul style="list-style-type: none"> • Uses the correct punctuation when writing different kind of sentences. 	<ul style="list-style-type: none"> • Punctuation in different kinds of sentences
 Reading Skills	<ul style="list-style-type: none"> • Genre 	<ul style="list-style-type: none"> • Understands that a biography is a sequence of true events in a person's life. 	<ul style="list-style-type: none"> • Biography
	<ul style="list-style-type: none"> • Strategies and Skills 	<ul style="list-style-type: none"> • Asks and answers questions to demonstrate understanding of a text. 	<ul style="list-style-type: none"> • Asking and answering questions
		<ul style="list-style-type: none"> • Describes how a narrator's or speaker's point of view influences how events are described. 	<ul style="list-style-type: none"> • Author's point of view
		<ul style="list-style-type: none"> • Summarizes a story using the most important events and supporting details. 	<ul style="list-style-type: none"> • Summarizing
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Creates a personal narrative that tells a story focusing on one significant single event. 	<ul style="list-style-type: none"> • Personal writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Follows rules for discussion, including listening to others, speaking when recognized, and making appropriate contributions to solve problems. 	<ul style="list-style-type: none"> • Solving problems
		<ul style="list-style-type: none"> • Reports on a topic or text or presents an opinion sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes. 	<ul style="list-style-type: none"> • Oral presentations and class participation
		<ul style="list-style-type: none"> • Orally expresses a personal anecdote. 	<ul style="list-style-type: none"> • Personal anecdote



Knotion Subject	Topic	Learning Outcome	Content
 Physical Science	<ul style="list-style-type: none"> • Energy 	<ul style="list-style-type: none"> • Understands that energy is a natural resource that has many forms and can be transformed, transferred, and stored. • Explains that the energy found in nonrenewable resources such as fossil fuels originally came from the Sun and may renew slowly over millions of years. • Explains that energy derived from renewable resources such as wind and water is assumed to be available indefinitely. • Describes how renewable and nonrenewable energy resources can be managed. 	<ul style="list-style-type: none"> • Renewable energy: solar power, wind power, hydroelectricity and micro hydro, biomass, and biofuels for transportation • Nonrenewable resources: oil, coal, natural gas • Renewable resources • Management of energy: fossil fuels, trees, water



Knotion Subject	Topic	Learning Outcome	Content
 Productivity Awareness	<ul style="list-style-type: none"> • Economic Concepts and Activities 	<ul style="list-style-type: none"> • Relates the components of a simple spending plan with how that relationship allows for managing income, expenses, and savings. • Explains the responsibilities associated with managing personal finances. • Evaluates the cost and benefits of spending, borrowing, and saving. • Explains the importance of developing a basic budget for spending and saving. • Compares spending and saving opportunities. • Identifies and explains consumerism. 	<ul style="list-style-type: none"> • Managing income, expenses, and savings • Savings, checking, credit, and noncash systems • Advantages and disadvantages of credit • Creating and managing a personal budget • Spending versus saving • Problems produced by consumerism



Power, Authority, and Civil Ideals

Fifth Grade

Magnetik **Understanding:**

In a democratic society, the constitution is the supreme law that recognizes human rights.

Magnetik **Question:**

How does the constitution guarantee the observance of our rights?

Global **Issue:**

Lack of observance of human rights

Challenge-Action **Question:**

What can I do to guarantee that human rights are respected in my community?



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Knotion Subject	Topic	Learning Outcome	Content
 Language Mastery	<ul style="list-style-type: none"> • Word Knowledge 	<ul style="list-style-type: none"> • Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> • High-frequency words
		<ul style="list-style-type: none"> • Acquires new vocabulary words related to the challenge. 	<ul style="list-style-type: none"> • Challenge words
	<ul style="list-style-type: none"> • Phonics 	<ul style="list-style-type: none"> • Reads and forms words that contain final syllables -er, -ar, -or. 	<ul style="list-style-type: none"> • Final Syllables -er, -ar, -or: /ɜr/ /ər/ /ar/ /ɔr/
		<ul style="list-style-type: none"> • Identifies multiple meaning words. 	<ul style="list-style-type: none"> • Homographs
		<ul style="list-style-type: none"> • Determines the meanings of words with the suffixes -ible, -able. 	<ul style="list-style-type: none"> • Suffixes -ible, -able
		<ul style="list-style-type: none"> • Uses prefixes to decode and comprehend words. 	<ul style="list-style-type: none"> • Prefixes over-, under-, sub-, super-, out-
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Defines pronouns and antecedents and understands that they must agree in number and gender. 	<ul style="list-style-type: none"> • Pronouns and antecedents
		<ul style="list-style-type: none"> • Identifies and uses singular indefinite pronouns. 	<ul style="list-style-type: none"> • Singular indefinite pronouns
		<ul style="list-style-type: none"> • Identifies and uses plural indefinite pronouns. 	<ul style="list-style-type: none"> • Plural indefinite pronouns
		<ul style="list-style-type: none"> • Identifies and uses possessive pronouns. 	<ul style="list-style-type: none"> • Possessive pronouns
 Reading Skills	<ul style="list-style-type: none"> • Genre 	<ul style="list-style-type: none"> • Understands that historical fiction is based on real historical events in which the characters are not real, and the minor events may not be realistic. 	<ul style="list-style-type: none"> • Historical fiction
	<ul style="list-style-type: none"> • Strategies and Skills 	<ul style="list-style-type: none"> • Explains what might happen next in a story or what the author may tell next. 	<ul style="list-style-type: none"> • Making, confirming, and revising predictions
		<ul style="list-style-type: none"> • Identifies story elements including, setting, characters, and plot. 	<ul style="list-style-type: none"> • Characters, setting, and plot
		<ul style="list-style-type: none"> • Identifies the similarities and differences between and among two or more things (example: characters, ideas, issues, concepts, topics, events, places). 	<ul style="list-style-type: none"> • Comparing and contrasting
		<ul style="list-style-type: none"> • Summarizes a story using the most important events and supporting details. 	<ul style="list-style-type: none"> • Summarizing
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Writes narratives to develop real or imagined experiences or events using effective techniques, well-chosen details, and well-structured event sequences. 	<ul style="list-style-type: none"> • Narrative writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Presents clear descriptions in a style appropriate to the context and with an effective logical structure. 	<ul style="list-style-type: none"> • Description
		<ul style="list-style-type: none"> • Reports on a topic or text or presents an opinion sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes. 	<ul style="list-style-type: none"> • Oral presentations and class participation



Knotion Subject	Topic	Learning Outcome	Content
 Physical Science	<ul style="list-style-type: none"> • Energy 	<ul style="list-style-type: none"> • Understands that sound is a form of energy that travels in waves. 	<ul style="list-style-type: none"> • Sound waves
		<ul style="list-style-type: none"> • Understands that sound waves can travel through different mediums. 	<ul style="list-style-type: none"> • Sound travels through solids, liquids, and gases
		<ul style="list-style-type: none"> • Recognizes the use of sound waves in communication devices. 	<ul style="list-style-type: none"> • Sound waves in telephones, telegraphs, sonar, or radio devices
		<ul style="list-style-type: none"> • Describes that changing the rate of vibration can vary the pitch of a sound. 	<ul style="list-style-type: none"> • Frequency as the pitch of a sound



Knotion Subject	Topic	Learning Outcome	Content
 Citizenship Awareness	<ul style="list-style-type: none"> • Government Organization, Laws, and Political Systems 	<ul style="list-style-type: none"> • Recognizes that citizens' rights and responsibilities are outlined in the Constitution. 	<ul style="list-style-type: none"> • The Constitution and how it guarantees citizens' rights and establishes responsibilities
		<ul style="list-style-type: none"> • Analyzes and evaluates different types of government. 	<ul style="list-style-type: none"> • Types of government: monarchy, democracy, etc.
	<ul style="list-style-type: none"> • Civic Involvement 	<ul style="list-style-type: none"> • Understands that citizens have an obligation to uphold the Constitution by obeying laws, paying taxes, and respecting the rights of others. 	<ul style="list-style-type: none"> • Citizens' responsibilities in a democratic government
	<ul style="list-style-type: none"> • Identifies and explains citizens' rights and responsibilities in a democratic government. 	<ul style="list-style-type: none"> • Citizens' rights and responsibilities in a democratic government 	



Crisis and Conflict Resolution

Fifth Grade

Magnetik **Understanding:**

Armed conflicts and natural disasters intensify social inequalities and vulnerabilities.

Magnetik **Question:**

How do natural disasters and armed conflicts affect us?

Global **Issue:**

Socioeconomic inequality

Challenge-**Action Question:**

How can I become actively involved to reduce social inequality?



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Knotion Subject	Topic	Learning Outcome	Content
 Language Mastery	<ul style="list-style-type: none"> • Word Knowledge 	<ul style="list-style-type: none"> • Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> • High-frequency words
		<ul style="list-style-type: none"> • Acquires new vocabulary words related to the challenge. 	<ul style="list-style-type: none"> • Challenge words
	<ul style="list-style-type: none"> • Phonics 	<ul style="list-style-type: none"> • Uses number prefixes to decode and comprehend words. 	<ul style="list-style-type: none"> • Number Prefixes uni-, bi-, tri-, cent-
		<ul style="list-style-type: none"> • Reads and spells words that contain unaccented final syllables. 	<ul style="list-style-type: none"> • Final Syllables -le, -el, -il, -al, /əl/
		<ul style="list-style-type: none"> • Identifies words with Greek roots. 	<ul style="list-style-type: none"> • Words with Greek roots: mech, meter, onym
		<ul style="list-style-type: none"> • Identifies and uses words with cher and zher sounds. 	<ul style="list-style-type: none"> • Words with /tʃr/ and /zɜr/ sounds
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Identifies and forms comparative and superlative adverbs in sentences. 	<ul style="list-style-type: none"> • Adverbs that compare
		<ul style="list-style-type: none"> • Uses the comparative form of adverbs in sentences correctly. 	<ul style="list-style-type: none"> • Using good and well, more and most, -er and -est
		<ul style="list-style-type: none"> • Combines similar elements, such as subjects or verbs in sentences. 	<ul style="list-style-type: none"> • Sentence combining
		<ul style="list-style-type: none"> • Understands the concept of double negatives. 	<ul style="list-style-type: none"> • Negatives
 Reading Skills	<ul style="list-style-type: none"> • Genre 	<ul style="list-style-type: none"> • Understands that in mystery stories, something is hidden from one or more characters. 	<ul style="list-style-type: none"> • Mystery genre
	<ul style="list-style-type: none"> • Strategies and Skills 	<ul style="list-style-type: none"> • Creates a mental image that reflects or represents the ideas in the text. 	<ul style="list-style-type: none"> • Visualization
		<ul style="list-style-type: none"> • Determines a theme of a story, drama, or poem from details in the text. 	<ul style="list-style-type: none"> • Theme
		<ul style="list-style-type: none"> • Describes how a narrator's or speaker's point of view influences how events are described. 	<ul style="list-style-type: none"> • Author's point of view
		<ul style="list-style-type: none"> • Summarizes a story using the most important events and supporting details. 	<ul style="list-style-type: none"> • Summarizing
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Develops sequenced pieces of writing using descriptive language. 	<ul style="list-style-type: none"> • Descriptive writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Narrates important events in logical sequence with a beginning, middle, and end. 	<ul style="list-style-type: none"> • Narrating in sequence
		<ul style="list-style-type: none"> • Reports on a topic or text or presents an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes. 	<ul style="list-style-type: none"> • Oral presentations and class participation
		<ul style="list-style-type: none"> • Describes the immediate surroundings as a reference point for moving around. 	<ul style="list-style-type: none"> • Meeting place in case of a disaster

Scientific Perspective



Knotion Subject	Topic	Learning Outcome	Content
 Earth Science	<ul style="list-style-type: none"> • Earth's Systems 	<ul style="list-style-type: none"> • Understands the interaction of Earth's major systems: the geosphere, the hydrosphere, the atmosphere, and the biosphere. 	<ul style="list-style-type: none"> • Geosphere, biosphere, hydrosphere, atmosphere
		<ul style="list-style-type: none"> • Explains how water and wind change the Earth's surface. 	<ul style="list-style-type: none"> • Erosion caused by water and wind
		<ul style="list-style-type: none"> • Evaluates risk drivers and how hazards can become disasters. 	<ul style="list-style-type: none"> • Natural disasters
		<ul style="list-style-type: none"> • Explores impacts of natural hazards and climate change on past civilizations. 	<ul style="list-style-type: none"> • Earth history, and natural hazards and climate change in the past

Social Participation



Knotion Subject	Topic	Learning Outcome	Content
 Citizenship Awareness	<ul style="list-style-type: none"> • Civic Ideals, Cultural Principles, and Ethics 	<ul style="list-style-type: none"> • Evaluates different impacts of natural disasters on urban and rural communities. 	<ul style="list-style-type: none"> • Vulnerable social groups and natural disasters
		<ul style="list-style-type: none"> • Recognizes the relationship between human rights and human needs during and after natural disasters. 	<ul style="list-style-type: none"> • Human rights and human needs during and after natural disasters
 Historical Awareness		<ul style="list-style-type: none"> • Identifies past major national and community disasters and good practices. 	<ul style="list-style-type: none"> • Natural disasters over time



Environment and Sustainability

Fifth Grade

Magnetik **Understanding:**

A clean and sustainable environment is everyone's responsibility.

Magnetik **Question:**

How does human interference affect the environment?

Global **Issue:**

Unsustainable human activities

Challenge-**Action Question:**

How can I make people in my community understand the importance of sustainability?



Knotion® supports the Sustainable Development Goals



Knotion Subject	Topic	Learning Outcome	Content
 Language Mastery	<ul style="list-style-type: none"> • Word Knowledge 	<ul style="list-style-type: none"> • Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> • High-frequency words
		<ul style="list-style-type: none"> • Acquires new vocabulary words related to the challenge. 	<ul style="list-style-type: none"> • Challenge words
	<ul style="list-style-type: none"> • Phonics 	<ul style="list-style-type: none"> • Demonstrates understanding of synonyms and antonyms. 	<ul style="list-style-type: none"> • Synonyms and antonyms
		<ul style="list-style-type: none"> • Determines the meanings of Latin roots. 	<ul style="list-style-type: none"> • Latin roots aqua, port
		<ul style="list-style-type: none"> • Understands how new words are created. 	<ul style="list-style-type: none"> • Coined words
		<ul style="list-style-type: none"> • Determines the meanings of confusing words. 	<ul style="list-style-type: none"> • Confusing words
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Identifies and uses prepositions. 	<ul style="list-style-type: none"> • Prepositions
		<ul style="list-style-type: none"> • Identifies and forms prepositional phrases. 	<ul style="list-style-type: none"> • Prepositional Phrases
		<ul style="list-style-type: none"> • Uses quotation marks correctly to signal direct quotations. 	<ul style="list-style-type: none"> • Quotations
		<ul style="list-style-type: none"> • Respects subject-verb agreement in present tenses. 	<ul style="list-style-type: none"> • Subject-verb agreement
 Reading Skills	<ul style="list-style-type: none"> • Genre 	<ul style="list-style-type: none"> • Understands that a nonfiction narrative is a genre in which factual matter is presented in a narrative style using literary techniques. 	<ul style="list-style-type: none"> • Narrative nonfiction
	<ul style="list-style-type: none"> • Strategies and Skills 	<ul style="list-style-type: none"> • Asks and answers questions to demonstrate understanding of a text. 	<ul style="list-style-type: none"> • Asking and answering questions
		<ul style="list-style-type: none"> • Identifies statements that show cause and effect and understands the difference between them. 	<ul style="list-style-type: none"> • Cause and effect
		<ul style="list-style-type: none"> • Identifies the author's purpose (example: to inform, entertain, or explain) in text. 	<ul style="list-style-type: none"> • Author's purpose
<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Gives facts and details about a topic. 	<ul style="list-style-type: none"> • Informational writing 	
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Communicates and shares ideas and experiences to give advice. 	<ul style="list-style-type: none"> • Giving advice
		<ul style="list-style-type: none"> • Exchanges expressions for accepting or rejecting requests. 	<ul style="list-style-type: none"> • Requests
		<ul style="list-style-type: none"> • Adapts language as appropriate to purpose: to persuade, explain and provide information, or express an opinion. 	<ul style="list-style-type: none"> • Effective communication of ideas

Scientific Perspective



Knotion Subject	Topic	Learning Outcome	Content
 Earth Science	<ul style="list-style-type: none"> • Earth and Human Activity 	<ul style="list-style-type: none"> • Analyzes and evaluates information about how individual communities use science ideas to protect the Earth's resources and environment. 	<ul style="list-style-type: none"> • Individual and community actions to help protect Earth's resources and environments
		<ul style="list-style-type: none"> • Recognizes that as human consumption of natural resources is increasing, so is the negative impact on the planet. 	<ul style="list-style-type: none"> • How increases in human population and per capita consumption of natural resources impact Earth's systems
		<ul style="list-style-type: none"> • Investigates and evaluates sustainable programs that support responsible management of natural resources. 	<ul style="list-style-type: none"> • Sustainability programs

Social Participation



Knotion Subject	Topic	Learning Outcome	Content
 Productivity Awareness	<ul style="list-style-type: none"> • Economic issues 	<ul style="list-style-type: none"> • Understands how sustainability impacts economy. 	<ul style="list-style-type: none"> • Economy and sustainability
	<ul style="list-style-type: none"> • Human Interaction With the Environment 	<ul style="list-style-type: none"> • Explores conservation and replenishment of our natural resources. 	<ul style="list-style-type: none"> • Conservation of natural resources