

3rd

2020-2021

Thematic Scope and Sequence
English Pathway



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2020-2021

Challenge 1



Thematic Scope and Sequence
English Pathway





Health and Well-Being

Third Grade

Magnetik® Understanding:

Developing healthy habits has lifelong benefits.

Magnetik® Question:

What factors influence our health?

Global Issue:

Unhealthy habits

Action Question:

What can I do to promote healthy habits in my community?



Knotion® supports the Sustainable Development Goals





Life Science

Knotion® Subject	Topic	Learning Outcome	Content
<p>Life Science</p>	<ul style="list-style-type: none"> • Health 	<ul style="list-style-type: none"> • Identifies healthy habits. 	<ul style="list-style-type: none"> • Proper hygiene, enough sleep, exercise, balanced diet
		<ul style="list-style-type: none"> • Recognizes some causes of diseases and that vaccines prevent illnesses. 	<ul style="list-style-type: none"> • Diseases caused by viruses, vaccines to keep healthy
		<ul style="list-style-type: none"> • Identifies practices to keep the respiratory and circulatory systems healthy. 	<ul style="list-style-type: none"> • Respiratory and circulatory systems
	<ul style="list-style-type: none"> • Structures and Processes of Organisms 	<ul style="list-style-type: none"> • Explains the functions of the organs of the circulatory and respiratory systems. 	<ul style="list-style-type: none"> • Organs of the circulatory and respiratory systems
		<ul style="list-style-type: none"> • Identifies body structures and related systems to look after oneself on a permanent basis. 	<ul style="list-style-type: none"> • Body structures and related systems



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"> • Discusses how decisions are influenced by personal habits. 	<ul style="list-style-type: none"> • Habits and choices
 Historical Awareness	<ul style="list-style-type: none"> • Historical Cultural Heritage 	<ul style="list-style-type: none"> • Identifies similarities and differences between the lifestyles and habits of people in the past and present. 	<ul style="list-style-type: none"> • People's lifestyles and habits in the past



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"> Relates short vowel sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Short vowels a /æ/, e /ɛ/, i /ɪ/, o /ɒ/, u /ʌ/
		<ul style="list-style-type: none"> Relates long vowel sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Long o: o, ow, o_e, oa, oe /oʊ/
		<ul style="list-style-type: none"> Relates long vowel sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Long a /eɪ/
		<ul style="list-style-type: none"> Relates long vowel sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Final e
	<ul style="list-style-type: none"> Structure and Function 	<ul style="list-style-type: none"> Distinguishes between complete sentences and sentence fragments. 	<ul style="list-style-type: none"> Sentences and fragments
		<ul style="list-style-type: none"> Identifies the subject and predicate of a sentence. 	<ul style="list-style-type: none"> Subjects and predicates (complete sentences)
		<ul style="list-style-type: none"> Identifies when a punctuation mark is needed. 	<ul style="list-style-type: none"> Punctuation in sentences
		<ul style="list-style-type: none"> Uses different types of sentences: exclamations and commands. 	<ul style="list-style-type: none"> Commands and exclamations
 Reading Skills	<ul style="list-style-type: none"> Genre 	<ul style="list-style-type: none"> Understands that realistic fiction is about specific characters and events 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"> Creates mental images that reflect or represent the ideas in the text. 	<ul style="list-style-type: none"> Visualization
		<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
 Writing Workshop	<ul style="list-style-type: none"> Writing Strategy 	<ul style="list-style-type: none"> Writes narratives in which sequenced events are related. 	<ul style="list-style-type: none"> Narrative writing



Communication

Knotion® Subject	Topic	Learning Outcome	Content
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Retells, paraphrases, or explains information in logical sequence. 	<ul style="list-style-type: none"> • Sequence in narration
		<ul style="list-style-type: none"> • Speaks coherently about the topic employing language conventions to communicate ideas effectively. 	<ul style="list-style-type: none"> • Using appropriate facts and relevant, descriptive details; speaking clearly at an understandable pace to report on a topic, tell a story, or recount an experience
		<ul style="list-style-type: none"> • Interprets the content of a story. 	<ul style="list-style-type: none"> • Content of a story
		<ul style="list-style-type: none"> • Records an audio story. 	<ul style="list-style-type: none"> • Recording a story

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Challenge 2



Thematic Scope and Sequence
English Pathway





Biomes and Ecosystems

Third Grade

Magnetik® Understanding:

Living beings need specific resources to survive.

Magnetik® Question:

Why is it important to protect natural resources?

Global Issue:

Inadequate use of natural resources

Action Question:

How can I use natural resources responsibly?



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 Life Science

Knotion® Subject	Topic	Learning Outcome	Content
	<ul style="list-style-type: none"> Ecology 	<ul style="list-style-type: none"> Explains how animals and plants interact and depend on the environment, as the environment depends on them. 	<ul style="list-style-type: none"> Animal and plant interaction with the environment
	<ul style="list-style-type: none"> Structures and Processes of Organisms 	<ul style="list-style-type: none"> Recognizes that plants have life cycles. 	<ul style="list-style-type: none"> Sprouting, growing to full size, forming fruits and flowers, shedding seeds (which begins a new cycle), and eventually dying
<ul style="list-style-type: none"> Rocks and Soil 		<ul style="list-style-type: none"> Identifies that some changes on the Earth's surface are due to either slow or rapid processes. 	<ul style="list-style-type: none"> Soil formation from nonliving and once-living materials Plant nutrients in humus
		<ul style="list-style-type: none"> Identifies how soil is organized. 	<ul style="list-style-type: none"> Soil layers: topsoil, subsoil, and bedrock
		<ul style="list-style-type: none"> Compares different kinds of minerals and identifies them by their physical properties. 	<ul style="list-style-type: none"> Physical properties of minerals: color, luster, streak, and hardness
		<ul style="list-style-type: none"> Defines and describes how the three major types of rocks are formed. 	<ul style="list-style-type: none"> Physical properties of rocks: igneous, sedimentary, metamorphic

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"> • Analyzes the implications of a lack of water for community life. 	<ul style="list-style-type: none"> • Water as an essential element for life; problems of water supply and sanitation; access to safe drinking water
		<ul style="list-style-type: none"> • Recognizes human interaction with the environment. 	<ul style="list-style-type: none"> • Relationship of humans with the environment





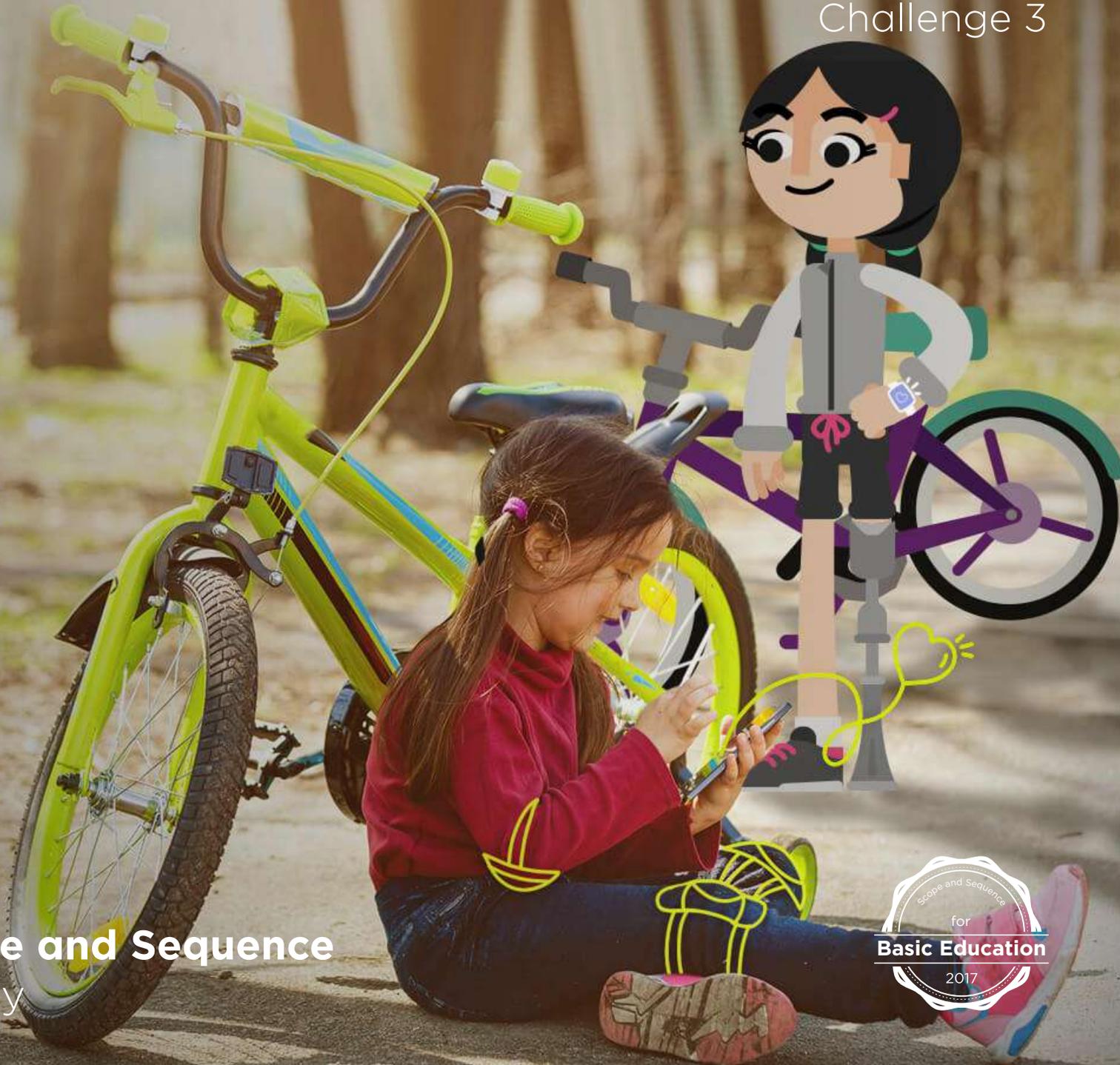
Knotion® Subject	Topic	Learning Outcome	Content	
 Language Mastery	<ul style="list-style-type: none"> Word Knowledge 	<ul style="list-style-type: none"> Acquires new grade-level vocabulary words in a variety of contexts. 	<ul style="list-style-type: none"> High-frequency words 	
		<ul style="list-style-type: 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"> Relates long vowel sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Long e /i/ 	
		<ul style="list-style-type: none"> Relates blended sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Three letter blends 	
		<ul style="list-style-type: none"> Relates silent letter combinations to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Words with silent letters 	
		<ul style="list-style-type: none"> Relates the sounds of plural nouns to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Plurals 	
	<ul style="list-style-type: none"> Structure and Function 	<ul style="list-style-type: none"> Uses nouns to represent things, people, and places. 	<ul style="list-style-type: none"> Nouns 	
		<ul style="list-style-type: none"> Determines whether a noun is common or proper. 	<ul style="list-style-type: none"> Proper vs. common nouns 	
		<ul style="list-style-type: none"> Distinguishes between abstract and concrete nouns. 	<ul style="list-style-type: none"> Abstract vs. concrete 	
		<ul style="list-style-type: none"> Differentiates between countable and uncountable nouns. 	<ul style="list-style-type: none"> Countable vs. uncountable 	
	 Reading Skills	<ul style="list-style-type: none"> Key Ideas and Details 	<ul style="list-style-type: none"> Demonstrates understanding that myths are traditional stories concerning the early history of a people or explaining natural or social phenomena, typically involving supernatural beings or events. 	<ul style="list-style-type: none"> Myths
			<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"> Identifies story elements including setting, characters, and plot. 			<ul style="list-style-type: none"> Characters, setting, and plot 	
<ul style="list-style-type: none"> Integration of Knowledge and Ideas 		<ul style="list-style-type: none"> Identifies problems and solutions in a story. 	<ul style="list-style-type: none"> Problem and solution 	
		<ul style="list-style-type: none"> Explains what might happen next in a story or what the author may say next. 	<ul style="list-style-type: none"> Making, confirming, and revising predictions 	

Knotion® Subject	Topic	Learning Outcome	Content
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<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"> • Writes a research report that defines the topic, gathers information, determines credibility, and reports findings.
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Summarizes information in logical sequence with a beginning, middle, end, and an effective introduction and conclusion. 	<ul style="list-style-type: none"> • Oral summary
		<ul style="list-style-type: none"> • Speaks coherently about the topic, employing language conventions to communicate ideas effectively. 	<ul style="list-style-type: none"> • Using appropriate facts and relevant, descriptive details • Speaking clearly at an understandable pace to report on a topic, tell a story, or recount an experience
		<ul style="list-style-type: none"> • Shares expectations in dialogue. 	<ul style="list-style-type: none"> • Content of a dialogue

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Challenge 3



Thematic Scope and Sequence
English Pathway





Science, Technology, and Innovation

Third Grade

Magnetik® Understanding:

Healthcare has improved due to technological advances.

Magnetik® Question:

How does technology aid health care?

Global Issue:

Excessive use of technology

Action Question:

How can I use technology to improve my physical and emotional health?



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Life Science

Knotion® Subject	Topic	Learning Outcome	Content
 Physical Science	<ul style="list-style-type: none"> Motion, Forces, and Interactions 	<ul style="list-style-type: none"> Recognizes that certain tools and technology make work easier. 	<ul style="list-style-type: none"> Simple machines
 Life Science	<ul style="list-style-type: none"> Structures and Processes of Organisms 	<ul style="list-style-type: none"> Describes negative side effects of technology use. 	<ul style="list-style-type: none"> Human health issues due to the abuse of technological devices (examples: obesity, isolation, poor sleep habits, stress)
		<ul style="list-style-type: none"> Describes positive effects of technology use. 	<ul style="list-style-type: none"> Use of technology to improve physical and emotional health
	<ul style="list-style-type: none"> Health 	<ul style="list-style-type: none"> Classifies the interactions between the skeletal and muscular systems. 	<ul style="list-style-type: none"> The skeletal and muscular systems
		<ul style="list-style-type: none"> Identifies practices to keep bones and muscles healthy. 	<ul style="list-style-type: none"> Healthy habits such as diet, rest, and age-appropriate exercise



Knotion® Subject	Topic	Learning Outcome	Content
 Citizenship Awareness	• Civic Ideals, Cultural Principles, and Ethics	• Demonstrates understanding of the ethical issues surrounding the access and use of digital media.	• Strategies to discover inappropriate behavior and to protect themselves from possible online dangers
		• Demonstrates understanding of how the Internet works and that it provides opportunities for communication and collaboration.	• Uses of technologies and media to help collaboration and communication





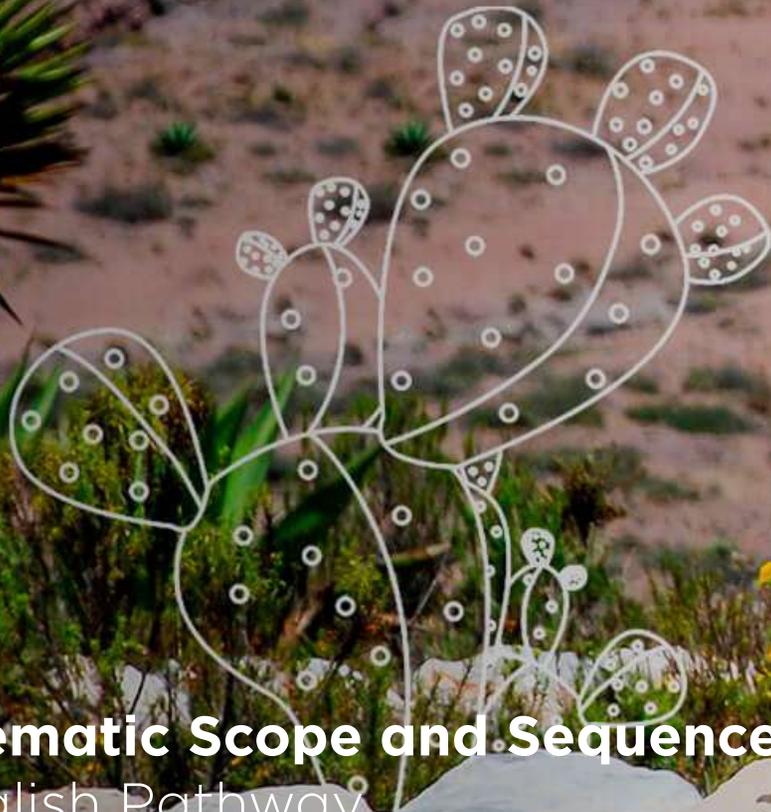
Knotion® Subject	Topic	Learning Outcome	Content
Language Mastery	• Word Knowledge	• Acquires new grade-level vocabulary words in a variety of contexts.	• High-frequency words
		• Acquires new vocabulary words related to the challenge.	• Challenge words
	• Phonics	• Relates digraphs to spelling patterns and develops decoding skills in context.	• Consonants digraphs ch /tʃ/, sh /ʃ/, th /θ/ /ð/
		• Uses affixes to determine word meanings and develops decoding skills in context.	• Prefixes re-, dis-, mis-
		• Relates r-controlled sounds to spelling patterns and develops decoding skills in context.	• R-controlled vowels: ir er, ur, ear, or /ɜr/
		• Relates sounds of diphthongs to spelling patterns and develops decoding skills in context.	• Diphthongs oi /ɔɪ/ and /oʊ/
	• Structure and Function	• Distinguishes between the functions of linking verbs and action verbs.	• Linking and action verbs
		• Uses the present progressive tense with contractions to express an idea happening at the moment of speaking.	• Present progressive tense
		• Demonstrates understanding of the present progressive tense for fixed arrangements.	• Present progressive tense
		• Uses the past simple and past progressive tenses for describing an action interrupted by another action.	• Past simple and past progressive tenses

Knotion® Subject	Topic	Learning Outcome	Content
 Reading Skills	<ul style="list-style-type: none"> • Craft and Structure 	<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"> • Key Ideas and Details 	<ul style="list-style-type: none"> • Demonstrates understanding that the purpose of expository nonfiction is to teach readers about a specific topic in an interesting way. 	<ul style="list-style-type: none"> • Expository nonfiction
		<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 supporting details
		<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 key events and details. 	<ul style="list-style-type: none"> • Summarizing
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Expresses an opinion and includes characteristics of persuasive text. 	<ul style="list-style-type: none"> • Persuasive writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Speaks clearly, accurately, and fluently using appropriate delivery for a variety of audiences and purposes. 	<ul style="list-style-type: none"> • Speaking to an audience
		<ul style="list-style-type: none"> • Speaks coherently about a topic, employing the conventions of language to communicate ideas effectively. 	<ul style="list-style-type: none"> • Using appropriate facts and relevant, descriptive details • Speaking clearly at an understandable pace to report on a topic, tell a story, or recount an experience

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Challenge 4



Thematic Scope and Sequence
English Pathway





Origins and Cultural Diversity

Third Grade

Magnetik® Understanding:

Cultural diversity enriches society.

Magnetik® Question:

Why is it important to value cultural diversity in our country?

Global Issue:

Intolerance toward cultural diversity

Action Question:

How can I help promote cultural diversity in my community?



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Physical Science

Knotion® Subject	Topic	Learning Outcome	Content
Physical Science	• Matter and Its Interactions	<ul style="list-style-type: none"> • Observes and describes the properties of matter. 	<ul style="list-style-type: none"> • Properties of matter
		<ul style="list-style-type: none"> • Observes that the weight of an object is equal to the sum of the weight of its parts. 	<ul style="list-style-type: none"> • Mass, weight, and volume
		<ul style="list-style-type: none"> • Describes ways matter can undergo physical changes. 	<ul style="list-style-type: none"> • Physical changes
		<ul style="list-style-type: none"> • Recognizes that states of matter change as a result of heating or cooling. 	<ul style="list-style-type: none"> • Changes in matter due to temperature
		<ul style="list-style-type: none"> • Uses tools to measure temperature. 	<ul style="list-style-type: none"> • Different types of thermometers to measure the temperature of soil, water, and air

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"> • Demonstrates understanding that special events turn common people with outstanding values and attitudes into leaders. 	<ul style="list-style-type: none"> • Characteristics of leadership and leaders
		<ul style="list-style-type: none"> • Identifies and analyzes common discriminatory situations in everyday life. 	<ul style="list-style-type: none"> • Common discriminatory situations in social systems (example: schools, media, religions, families)
		<ul style="list-style-type: none"> • Demonstrates understanding that minority cultural groups have the same civil rights as majority cultural groups. 	<ul style="list-style-type: none"> • Minority cultural groups and their rights
 Historical Awareness	<ul style="list-style-type: none"> • Causes and Consequences of Historical Events 	<ul style="list-style-type: none"> • Demonstrates understanding that contributions made by various cultural groups have shaped the history of the community and world. 	<ul style="list-style-type: none"> • Contributions that people from other countries and immigrants have made to art, food, music, literature, and sports in their community



 Language Mastery

Knotion® Subject	Topic	Learning Outcome	Content
	<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"> • Relates vowel sounds to spelling patterns and applies decoding skills in context. 	<ul style="list-style-type: none"> • Variant vowel au, aw, all, alk /ɔ/
		<ul style="list-style-type: none"> • Relates consonant sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> • Soft c /s/ and g /dʒ/
		<ul style="list-style-type: none"> • Relates vowel sounds to spelling patterns, and develops decoding skills in context. 	<ul style="list-style-type: none"> • Spellings oo, u, u_e, ew, ue, ui, oo, ou, u, and sounds /u/ /ju/ /ʌ/
		<ul style="list-style-type: none"> • Relates the sounds of inflectional endings of plural nouns to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> • Plural nouns
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Expresses ability with modal verbs. 	<ul style="list-style-type: none"> • Modal verbs: can, can't, could, couldn't
		<ul style="list-style-type: none"> • Identifies and uses different contractions. 	<ul style="list-style-type: none"> • Contractions with not
		<ul style="list-style-type: none"> • Distinguishes between the functions of action and helping verbs. 	<ul style="list-style-type: none"> • Action and helping verbs
		<ul style="list-style-type: none"> • Uses regular and irregular verbs in the past simple tense. 	<ul style="list-style-type: none"> • Irregular verbs

Knotion® Subject	Topic	Learning Outcome	Content
 Reading Skills	<ul style="list-style-type: none"> • Key Ideas and Details 	<ul style="list-style-type: none"> • Demonstrates understanding 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"> • Summarizes a story using key events and details. 	<ul style="list-style-type: none"> • Summarizing
		<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"> • Integration of Knowledge and Ideas 	<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"> • Craft and Structure 	<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
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Writes opinion pieces on topics or texts supporting a point of view with facts and details. 	<ul style="list-style-type: none"> • Opinion writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Retells, paraphrases, or explains information in logical sequence. 	<ul style="list-style-type: none"> • Giving a demonstration
		<ul style="list-style-type: none"> • "Listens attentively to speakers, asks relevant questions, and makes pertinent comments. 	<ul style="list-style-type: none"> • Effective collaboration as group members who listen actively and respectfully and communicate both informally and formally
		<ul style="list-style-type: none"> • Describes activities from a celebration or a party. 	<ul style="list-style-type: none"> • Describing activities

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Challenge 5



Thematic Scope and Sequence
English Pathway





Productivity and Economy

Third Grade

Magnetik® Understanding:

Social conditions affect economic behaviors.

Magnetik® Question:

How are prices determined?

Global Issue:

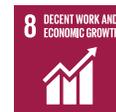
Economic inequality

Action Question:

What can I do to make goods affordable for everybody?



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Physical Science

Knotion® Subject	Topic	Learning Outcome	Content
Physical Science	• Matter and Its Interactions	<ul style="list-style-type: none"> • Demonstrates understanding that different materials are made by physically combining substances and that different objects can be made by combining different materials. 	<ul style="list-style-type: none"> • Matter combined with other matter
		<ul style="list-style-type: none"> • Identifies mixtures and understands that mixtures can be created for different purposes. 	<ul style="list-style-type: none"> • Mixtures and solutions
		<ul style="list-style-type: none"> • Distinguishes tools and utensils to separate mixtures. 	<ul style="list-style-type: none"> • Different tools to separate different mixtures
		<ul style="list-style-type: none"> • Recognizes that by chemically combining two or more substances, materials may have properties that differ from the original materials. 	<ul style="list-style-type: none"> • Chemical changes



Productivity Awareness

Knotion® Subject	Topic	Learning Outcome	Content
 Productivity Awareness	<ul style="list-style-type: none"> Economic Concepts and Activities 	<ul style="list-style-type: none"> Demonstrates understanding that markets are places where buyers and sellers exchange goods and services. 	<ul style="list-style-type: none"> Definition and characteristics of markets
		<ul style="list-style-type: none"> Defines and explains general economic concepts such as supply and demand. 	<ul style="list-style-type: none"> Scarcity, supply and demand, costs and benefits, goods and services, buying and selling, consumption and production
		<ul style="list-style-type: none"> Demonstrates knowledge that supply or demand can change over time affecting prices. 	<ul style="list-style-type: none"> Price as related to supply and demand
		<ul style="list-style-type: none"> Recognizes that the word <i>salary</i> comes from the times when salt was an expensive item. 	<ul style="list-style-type: none"> Salary and wages
		<ul style="list-style-type: none"> Uses creative ways to increase demand. 	<ul style="list-style-type: none"> Offering something your market values, promotions, in-store demonstrations, price reductions



 Language Mastery

Knotion® Subject	Topic	Learning Outcome	Content
	<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 correct usage and spelling of different homophones. 	<ul style="list-style-type: none"> • Homophones
		<ul style="list-style-type: none"> • Separates words into syllables and determines whether those syllables are open. 	<ul style="list-style-type: none"> • Open syllables
		<ul style="list-style-type: none"> • Separates words into syllables and determines whether those syllables are closed. 	<ul style="list-style-type: none"> • Closed syllables
		<ul style="list-style-type: none"> • Relates the sounds of inflectional endings to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> • Inflectional endings -ed and -s
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Combines similar elements such as verbs in sentences. 	<ul style="list-style-type: none"> • Combining sentences with verbs
		<ul style="list-style-type: none"> • Combines ideas to form complex sentences. 	<ul style="list-style-type: none"> • Complex sentences
		<ul style="list-style-type: none"> • Uses commas to connect sentences. 	<ul style="list-style-type: none"> • Commas in sentences
		<ul style="list-style-type: none"> • Uses capitalization and punctuation in uninterrupted dialogue. 	<ul style="list-style-type: none"> • Commas and quotations marks in dialogue

Knotion® Subject	Topic	Learning Outcome	Content
 Reading Skills	<ul style="list-style-type: none"> • Key Ideas and Details 	<ul style="list-style-type: none"> • Demonstrates understanding that historical fiction is a genre based on real historical events, but 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"> • Explains what might happen next in a story or what the author will say next. 	<ul style="list-style-type: none"> • Making, confirming, and revising predictions
		<ul style="list-style-type: none"> • Creates mental images that reflect or represent the ideas in the text. 	<ul style="list-style-type: none"> • Visualization
		<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"> • Integration of Knowledge and Ideas 	<ul style="list-style-type: none"> • Distinguishes between statements that show cause and effect. 	<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 research report that defines the topic, uses 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"> • Summarizes information in logical sequence with a beginning, middle, and end with an effective introduction and conclusion. 	<ul style="list-style-type: none"> • Oral summary
		<ul style="list-style-type: none"> • Presents clear ideas in a style appropriate to the context using an effective logical structure. 	<ul style="list-style-type: none"> • Sentences appropriate to task and situation in order to provide requested details or clarification
		<ul style="list-style-type: none"> • Shares expressions to obtain what is necessary. 	<ul style="list-style-type: none"> • Expressions
		<ul style="list-style-type: none"> • Expresses wishes and needs. 	<ul style="list-style-type: none"> • Needs and wants

3rd

2020-2021

Challenge 6

Thematic Scope and Sequence
English Pathway





Power, Authority, and Civil Ideals

Third Grade

Magnetik® Understanding:

All children have the same rights.

Magnetik® Question:

What happens when children's rights are not respected?

Global Issue:

Children's rights violations

Action Question:

How can I promote and enforce children's rights in my community?



Knotion® supports the Sustainable Development Goals



Knotion® Subject	Topic	Learning Outcome	Content
 Physical Science	<ul style="list-style-type: none"> Forces and Motion 	<ul style="list-style-type: none"> Demonstrates understanding that sound is caused by vibrations (pushing and pulling) to cause waves. 	<ul style="list-style-type: none"> Sound vibrations
		<ul style="list-style-type: none"> Explores how things make sound. 	<ul style="list-style-type: none"> Sound (example: rubber bands, tuning fork, strings)
		<ul style="list-style-type: none"> Demonstrates understanding that properties of sound such as pitch and loudness can be altered by changing the properties of the sound source. 	<ul style="list-style-type: none"> High and low pitch and vibrations
		<ul style="list-style-type: none"> Explores and describes sounds produced by vibrating objects. 	<ul style="list-style-type: none"> Sounds (example: high, low, soft, loud)
 Life Science	<ul style="list-style-type: none"> Structures and Processes of Organisms 	<ul style="list-style-type: none"> Identifies the different parts of the human ear and explains how it works. 	<ul style="list-style-type: none"> Inner, middle, and outer ear
	<ul style="list-style-type: none"> Health 	<ul style="list-style-type: none"> Recognizes that long exposure to very loud sounds causes changes in the structures of the ear, and eventually, hearing loss. 	<ul style="list-style-type: none"> Hearing damage risk due to noise exposure



Citizenship Awareness

Knotion® Subject	Topic	Learning Outcome	Content
		<ul style="list-style-type: none"> Identifies children's rights and analyzes the importance of safeguarding them. 	<ul style="list-style-type: none"> Importance of universal children's rights
	<ul style="list-style-type: none"> Government Organization, Laws, and Political Systems 	<ul style="list-style-type: none"> Discusses the effects and consequences when children's rights are not respected. 	<ul style="list-style-type: none"> Effects and consequences when children's rights are not respected
		<ul style="list-style-type: none"> Identifies people and organizations that are in charge of safeguarding children's rights. 	<ul style="list-style-type: none"> Organizations in charge of supporting and guaranteeing children's rights
	<ul style="list-style-type: none"> International Relationships and Foreign Policy 	<ul style="list-style-type: none"> Recognizes situations and places where children's rights are not guaranteed. 	<ul style="list-style-type: none"> Different countries and situations in which children's rights are not guaranteed



Language Mastery

Knotion® Subject	Topic	Learning Outcome	Content
	<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"> Relates the sounds of inflectional endings to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Inflectional ending -ing
		<ul style="list-style-type: none"> Relates specific sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Consonant + le syllable /əl/
		<ul style="list-style-type: none"> Relates vowel sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> Vowel teams in the middle of syllables: aw, au, /ɔ:/ and ew, ue. /u:/ /ju:/
		<ul style="list-style-type: none"> Relates r-controlled sounds to spelling patterns and develops decoding skills in context. 	<ul style="list-style-type: none"> R- controlled vowels er, ir, or, ur /ɜr/
	<ul style="list-style-type: none"> Structure and Function 	<ul style="list-style-type: none"> Distinguishes when to use definite or indefinite articles. 	<ul style="list-style-type: none"> Articles
		<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"> "Understands and uses comparative adjectives with -er and more. 	<ul style="list-style-type: none"> Adjectives that compare
		<ul style="list-style-type: none"> Recognizes proper nouns and proper adjectives that should be capitalized. 	<ul style="list-style-type: none"> Capitalization (proper nouns and proper adjectives)

Knotion® Subject	Topic	Learning Outcome	Content
 Reading Skills	<ul style="list-style-type: none"> Integration of Knowledge and Ideas 	<ul style="list-style-type: none"> Demonstrates understanding that narrative nonfiction presents factual matter in a narrative style using literary techniques. 	<ul style="list-style-type: none"> Narrative nonfiction (example: illustrated monographs of musical instruments)
		<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"> Key Ideas and Details 	<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 key events and details. 	<ul style="list-style-type: none"> Summarizing
		<ul style="list-style-type: none"> Identifies the main idea of a story and the supporting details. 	<ul style="list-style-type: none"> Main idea and supporting details
	 Writing Workshop	<ul style="list-style-type: none"> Writing Strategy 	<ul style="list-style-type: none"> Writes clear step-by-step instructions.
 Communication	<ul style="list-style-type: none"> Oral Communication 	<ul style="list-style-type: none"> Follows, restates, and gives oral instructions that involve a series of related sequences of action. 	<ul style="list-style-type: none"> Giving and following directions
		<ul style="list-style-type: none"> Participates in the design and writing of information in a graph about musical instruments. 	<ul style="list-style-type: none"> Presenting information about musical instruments and sound
		<ul style="list-style-type: none"> Follows, restates, and gives oral instructions that involve a series of related sequences of action. 	<ul style="list-style-type: none"> Sentences appropriate to task and situation in order to provide requested detail or clarification

3rd

2020-2021

Challenge 7



Thematic Scope and Sequence
English Pathway





Crisis and Conflict Resolution

Third Grade

Magnetik® Understanding:

Dialogue and agreements help solve conflicts in a peaceful way.

Magnetik® Question:

How do different parties work together to solve a conflict?

Global Issue:

Violence

Action Question:

What can I do to resolve conflicts peacefully?



Knotion® supports the Sustainable Development Goals





 Earth Science

Knotion® Subject	Topic	Learning Outcome	Content
<p> Earth Science</p>	<ul style="list-style-type: none"> • Energy 	<ul style="list-style-type: none"> • Demonstrates understanding that energy is the ability to do work or cause change. 	<ul style="list-style-type: none"> • Energy
		<ul style="list-style-type: none"> • Classifies different forms of energy. 	<ul style="list-style-type: none"> • Heat, light, sound
		<ul style="list-style-type: none"> • Identifies that the Sun provides energy for the Earth in the form of heat and light. 	<ul style="list-style-type: none"> • The Sun as a source of energy
		<ul style="list-style-type: none"> • Demonstrates understanding that energy comes in different forms and can change from one form to another. 	<ul style="list-style-type: none"> • Energy changes
		<ul style="list-style-type: none"> • Demonstrates understanding that heat can be produced by chemical reactions, electrical machines, and friction. 	<ul style="list-style-type: none"> • Heat energy
		<ul style="list-style-type: none"> • Explores static electricity in terms of attraction and repulsion. 	<ul style="list-style-type: none"> • Electrical energy; positive and negative charges



Citizenship Awareness

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"> • Practices respect and compromise in issues involving differences and conflicts. 	<ul style="list-style-type: none"> • Compromise and respect in conflict resolution
		<ul style="list-style-type: none"> • Compares feelings that can lead to empathy. 	<ul style="list-style-type: none"> • Feelings in conflict resolution
		<ul style="list-style-type: none"> • Role-plays and analyzes model empathic behavior. 	<ul style="list-style-type: none"> • Empathic behavior in conflict resolution
		<ul style="list-style-type: none"> • Recognizes that a diversity of viewpoints benefits everyone. 	<ul style="list-style-type: none"> • Different points of view in conflict resolution



Knotion® Subject	Topic	Learning Outcome	Content
Language Mastery	• Word Knowledge	• Acquires new grade-level vocabulary words in a variety of contexts.	• High-frequency words
		• Acquires new vocabulary words related to the challenge.	• Challenge words
	• Phonics	• Uses affixes to determine word meanings and develops decoding skills in context.	• Prefixes pre-, over-, un-, out-
		• Uses affixes to determine word meanings and develops decoding skills in context.	• Suffixes -er, -or /ɜr/, -ess /ɛs/, -ist /ɪst/
		• Relates consonant sounds to spelling patterns and develops decoding skills in context.	• Consonant sounds g, j, dge /dʒ/, and k, ck /k/, ch /tʃ/
		• Relates silent letter combinations to spelling patterns and develops decoding skills in context.	• Silent consonant combinations wr, kn, st, mb, gn
	• Structure and Function	• Distinguishes which pronouns to use to substitute nouns.	• Pronouns
		• Distinguishes between subject and object pronouns.	• Subject and object pronouns
		• Applies subject-verb agreement in sentences.	• Pronoun verb agreement
		• Understands and uses possessive pronouns.	• Possessive pronouns

Knotion® Subject	Topic	Learning Outcome	Content
 Reading Skills	<ul style="list-style-type: none"> Craft and Structure 	<ul style="list-style-type: none"> Demonstrates understanding that narrative poems have a plot, climax, resolution, and conclusion. 	<ul style="list-style-type: none"> Narrative poetry
		<ul style="list-style-type: none"> Analyzes various elements of poetry, such as rhythm and rhyme. 	<ul style="list-style-type: none"> Rhythm and rhyme
	<ul style="list-style-type: none"> Key Ideas and Details 	<ul style="list-style-type: none"> Creates mental images that reflect or represent 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"> Integration of Knowledge and ideas 	<ul style="list-style-type: none"> Makes connections from a text to personal experiences. 	<ul style="list-style-type: none"> Making connections
 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 details and well-structured event sequences. 	<ul style="list-style-type: none"> Creative writing
 Communication	<ul style="list-style-type: none"> Oral Communication 	<ul style="list-style-type: none"> Recites poems or songs and delivers dramatic recitations, interpretations, or performances. 	<ul style="list-style-type: none"> Reciting poetry
		<ul style="list-style-type: none"> Listens attentively to speakers, asks relevant questions, and makes pertinent comments. 	<ul style="list-style-type: none"> Effective collaboration as group members who listen actively and respectfully communicating both informally and formally

3rd

2020-2021

Challenge 8



Thematic Scope and Sequence
English Pathway





Environment and Sustainability

Third Grade

Magnetik® Understanding:

Sustainable consumption is essential for future generations.

Magnetik® Question:

Why is sustainable consumption essential?

Global Issue:

Irresponsible consumption

Action Question:

How can I promote sustainability in my community?



Knotion® supports the Sustainable Development Goals



Knotion® Subject	SEP Subject	Topic	Learning Outcome	Content
 Life Science	<ul style="list-style-type: none"> • Ecology 	<ul style="list-style-type: none"> • Analyzes and evaluates individual actions that can pollute the environment. 	<ul style="list-style-type: none"> • Environmental pollution 	
		<ul style="list-style-type: none"> • Demonstrates participation in recycling campaigns. 	<ul style="list-style-type: none"> • Recycling campaigns 	
		<ul style="list-style-type: none"> • Observes simple steps that can be taken to keep a clean, sustainable environment. 	<ul style="list-style-type: none"> • Sustainable development 	





Knotion® Subject	Topic	Learning Outcome	Content
 Productivity Awareness	<ul style="list-style-type: none"> Wants and Needs 	<ul style="list-style-type: none"> Identifies and promotes sustainable consumption of goods and services. 	<ul style="list-style-type: none"> Consumption of goods and services based on wants and needs
 Environmental Awareness	<ul style="list-style-type: none"> Human Interaction With the Environment 	<ul style="list-style-type: none"> Explains pollution and recognizes the impact of human activities on environmental quality. 	<ul style="list-style-type: none"> Characteristics of pollution and pollution due to human activities
		<ul style="list-style-type: none"> Participates in activities that focus on environmental issues. 	<ul style="list-style-type: none"> Environmental conservation
		<ul style="list-style-type: none"> Recognizes the main types of pollution, including air pollution, water pollution, land pollution, and noise pollution. 	<ul style="list-style-type: none"> Types of pollution



 Language Mastery

Knotion® Subject	Topic	Learning Outcome	Content
	<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"> • Recognizes VCCCV syllabic separation rules and develops decoding skills. 	<ul style="list-style-type: none"> • Syllables VCCCV
		<ul style="list-style-type: none"> • Correctly pronounces and writes frequently misspelled words. 	<ul style="list-style-type: none"> • Frequently misspelled words
		<ul style="list-style-type: none"> • Determines the meanings of Greek and Latin roots and develops decoding skills. 	<ul style="list-style-type: none"> • Greek and Latin roots: bio, tract, spir
		<ul style="list-style-type: none"> • Relates roots to suffixes and prefixes and develops decoding skills in context. 	<ul style="list-style-type: none"> • Latin suffixes -al, -ial
	<ul style="list-style-type: none"> • Structure and Function 	<ul style="list-style-type: none"> • Understands and uses adverbs. 	<ul style="list-style-type: none"> • Adverbs (place, time, manner)
		<ul style="list-style-type: none"> • Describes the intensity of an action using adverbs of degree. 	<ul style="list-style-type: none"> • Adverbs of degree
		<ul style="list-style-type: none"> • Identifies and uses time adverbials. 	<ul style="list-style-type: none"> • Time adverbials (when, how long, how often)
		<ul style="list-style-type: none"> • Identifies and uses prepositions. 	<ul style="list-style-type: none"> • Prepositions

Knotion® Subject	Topic	Learning Outcome	Content
 Reading Skills	<ul style="list-style-type: none"> • Key Ideas and Details 	<ul style="list-style-type: none"> • Analyzes fables and understands their structure. 	<ul style="list-style-type: none"> • Fables
		<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"> • Explains that the function of fables is to leave a moral message and finds it in fables. 	<ul style="list-style-type: none"> • Moral lessons in fables
	<ul style="list-style-type: none"> • Integration of Knowledge and Ideas 	<ul style="list-style-type: none"> • Explains what might happen next in a story or what the author may say next. 	<ul style="list-style-type: none"> • Making, confirming, and revising predictions
		<ul style="list-style-type: none"> • Retells important events in sequential order. 	<ul style="list-style-type: none"> • Sequencing
 Writing Workshop	<ul style="list-style-type: none"> • Writing Strategy 	<ul style="list-style-type: none"> • Writes real or imagined stories using details and a well-structured sequence of events. 	<ul style="list-style-type: none"> • Free writing
 Communication	<ul style="list-style-type: none"> • Oral Communication 	<ul style="list-style-type: none"> • Explains his or her own ideas and understanding of the topic. 	<ul style="list-style-type: none"> • Using vocabulary to express ideas
		<ul style="list-style-type: none"> • Speaks coherently about the topic employing the conventions of language to communicate ideas effectively. 	<ul style="list-style-type: none"> • Using appropriate facts and relevant, descriptive details • Speaking clearly at an understandable pace to report on a topic, tell a story, or recount an experience
		<ul style="list-style-type: none"> • Listens to the fable that corresponds to an illustrated sequence. 	<ul style="list-style-type: none"> • Fables