

A green-tinted background image showing a group of diverse children, including a boy and a girl, looking intently at a globe. The globe is held by an adult whose hands are visible at the bottom. The children are of various ethnicities and are focused on the globe.

# 2º

2018-2019

## Thematic Scope and Sequence

### English Pathway





## Health and Well-being

Second Grade

Magnetik **Understanding:**  
Recognizing and managing our emotions helps us accept change.

Magnetik **Question:**  
How does change impact our emotions?

Global **Issue:**  
Insecurity toward and rejection of change

Challenge-**Action Question:**  
How can I help others manage their emotions towards change?

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Knotion® Subject	Topic	Learning Outcome	Content
<b>Language Mastery</b>	• 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	• Understands what constitutes the short vowel sounds a and i.	• Short a /æ/, i /ɪ/
		• Determines whether words contain the short or long vowel sound a.	• Short a /æ/, long a: a_e /eɪ/
		• Determines whether words contain the short or long vowel sound i.	• Short i /ɪ/, long i: i_e /aɪ/
		• Identifies and uses two letter consonant blends.	• Two letter blends (sl, sm, sp, st)
	• Structure and Function	• Distinguishes between complete sentences and sentence fragments.	• Complete sentences
		• Distinguishes between statements and questions.	• Statements and questions
		• Distinguishes between commands and exclamations.	• Commands and exclamations
		• Properly capitalizes different types of sentences.	• Sentence capitalization and punctuation
<b>Reading Skills</b>	• Genre	• Understands poetry as a unique way to communicate and describe feelings, sensory images, ideas, or stories.	• Poetry
	• Strategies and Skills	• Understands that visualizing involves having mental images of what is happening in the text.	• Visualization
		• Understands that rhythm is a pattern of strong beats in speech or writing, especially in poetry.	• Rhythm
		• Identifies and produces rhyming words.	• Rhyme
		• Identifies the words or phrases that repeat inside a poem.	• Repetition
<b>Writing Workshop</b>	• Writing Strategy	• Composes original poems based on a model.	• Creative writing
		• Participates in the writing of verses.	• Creative writing
<b>Communication</b>	• Oral Communication	• Recites poems for audience communicating its meaning.	• Presenting a poem
		• Listens to and participates in the reading of rhymes and stories in verse.	• Reading rhymes
		• Creates audio recordings of stories or poems; adds drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and feelings.	• Poems
		• Participates in collaborative conversations with diverse partners about second grade topics and texts with peers and adults in small and larger groups.	• Collaborative conversations
		• Participates in reading poems for children aloud.	• Read aloud



Knotion Subject	Topic	Learning Outcome	Content
 <b>Life Science</b>	<ul style="list-style-type: none"> <li>Structures and Processes of Organisms</li> </ul>	<ul style="list-style-type: none"> <li>Recognizes that as you grow your body changes.</li> </ul>	<ul style="list-style-type: none"> <li>Body changes in humans from infancy to late adulthood</li> </ul>
		<ul style="list-style-type: none"> <li>Identifies the external parts of a human body.</li> </ul>	<ul style="list-style-type: none"> <li>Parts of the human body (example: head, hands, feet, knees, and elbows)</li> </ul>
		<ul style="list-style-type: none"> <li>Uses the senses to make and describe careful observations.</li> </ul>	<ul style="list-style-type: none"> <li>The five senses</li> </ul>
 <b>Earth Science</b>	<ul style="list-style-type: none"> <li>Earth's Systems</li> </ul>	<ul style="list-style-type: none"> <li>Describes environmental changes over the seasons.</li> </ul>	<ul style="list-style-type: none"> <li>Environmental changes over the seasons</li> </ul>
		<ul style="list-style-type: none"> <li>Relates that climate and weather affect housing and clothing people wear.</li> </ul>	<ul style="list-style-type: none"> <li>Kinds of shelter and clothing in cold and warm climates</li> </ul>
		<ul style="list-style-type: none"> <li>Understands that water exists as solid, gas, and liquid form and can be found in oceans, rivers, lakes, and ponds.</li> </ul>	<ul style="list-style-type: none"> <li>Water found on Earth as solid or liquid; the water cycle</li> </ul>



Knotion Subject	Topic	Learning Outcome	Content
 <b>Citizenship Awareness</b>	<ul style="list-style-type: none"> <li>Civic Ideals, Cultural Principles, and Ethics</li> </ul>	<ul style="list-style-type: none"> <li>Understands that fitting into a new environment, such as a new school, a new neighborhood, or even a new country takes time.</li> </ul>	<ul style="list-style-type: none"> <li>Fitting into a new environment</li> </ul>
 <b>Historical Awareness</b>	<ul style="list-style-type: none"> <li>Historical Chronology</li> </ul>	<ul style="list-style-type: none"> <li>Recognizes changes in his or her community over time.</li> </ul>	<ul style="list-style-type: none"> <li>Changes in the community</li> </ul>
		<ul style="list-style-type: none"> <li>Examines how his or her family has changed over time.</li> </ul>	<ul style="list-style-type: none"> <li>Family changes</li> </ul>
		<ul style="list-style-type: none"> <li>Predicts ways the community might change in the future.</li> </ul>	<ul style="list-style-type: none"> <li>Future changes in the community</li> </ul>





# Biomes and Ecosystems

Second Grade

Magnetik **Understanding:**

A habitat provides the basic needs for life to exist.

Magnetik **Question:**

How do habitats provide basic needs for life to exist?

Global **Issue:**

Habitat disruption due to human activity





Challenge-**Action Question:**

**What can I do to protect natural habitats in my community?**




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Knotion® Subject	Topic	Learning Outcome	Content
 <b>Language Mastery</b>	• 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	• Understands what constitutes the short vowel sounds e, o, u.	• Short e /e/, o /ɒ/, u /ʌ/
		• Determines whether words contain a short or long vowel sound o.	• Short o /ɒ/, long o: o_e /əʊ/
		• Determines whether words contain a short or long vowel sound u.	• Short u /ʌ/, long u: u_e /u/ /ju/
		• Identifies the spelling-sound correspondences for the consonant digraphs ch, tch, sh, ph, th.	• Consonant digraphs: ch /tʃ/, tch /tʃ/, sh /ʃ/, th /θ/ /ð/
	• Structure and Function	• Identifies and forms plurals by adding an -s to nouns.	• Singular and plural nouns
		• Identifies and uses irregular plurals.	• Irregular plural nouns
		• Understands countable and uncountable nouns.	• Countable and uncountable nouns
		• Recognizes and uses possessives that add an apostrophe and an s to a singular noun.	• Possessive nouns (singular / plural)
 <b>Reading Skills</b>	• Genre	• Understands that realistic fiction is a story about a specific character and some event in his or her life.	• Realistic fiction
	• Strategies and Skills	• Identifies story elements including setting, characters, and key events.	• Characters, setting, events
		• Explains what might happen next in a story or what the author may tell next.	• Make and confirm predictions
		• Identifies the similarities and differences between and among two or more things. (example: characters, ideas, issues, concepts, topics, events, places)	• Compare and contrast
		• Summarizes a story using the most important events and supporting details.	• Summarizing
 <b>Writing Workshop</b>	• Writing Strategy	• Writes a text using descriptive details.	• Descriptive writing
		• Writes questions to get information about farming products.	• Questions
 <b>Communication</b>	• Oral Communication	• Describes people, places, things, locations, events, and actions.	• Giving descriptions
		• Participates in a question-and-answer exchange about farming products.	• Questions about farming products
		• Discusses, contributes, and expands on the ideas of self and others.	• Focused contribution in discussions to develop a topic
		• Listens actively to discover new information and create better dialogue.	• Listening for specific information



Knotion Subject	Topic	Learning Outcome	Content
 <b>Life Science</b>	<ul style="list-style-type: none"> <li>Ecology</li> </ul>	<ul style="list-style-type: none"> <li>Compares the distinct biomes found around the world and the different types of plants and animals that each supports.</li> </ul>	<ul style="list-style-type: none"> <li>Biome characteristics (example: annual rainfall, living things within it) and types of biomes: tundra, grassland, ocean, marsh, rainforest, forest, desert, prairie</li> </ul>
		<ul style="list-style-type: none"> <li>Describes how humans use some plants and animals.</li> </ul>	<ul style="list-style-type: none"> <li>How humans use some plants and animals like cotton, cattle, etc.</li> </ul>
		<ul style="list-style-type: none"> <li>Explains how living organisms react to the changes in their environment or dangerous situations.</li> </ul>	<ul style="list-style-type: none"> <li>How organisms react to change</li> </ul>



Knotion Subject	Topic	Learning Outcome	Content
 <b>Citizenship Awareness</b>	<ul style="list-style-type: none"> <li>Civic Involvement</li> </ul>	<ul style="list-style-type: none"> <li>Understands that civic participation in preserving natural habitats is a right and duty of every individual.</li> </ul>	<ul style="list-style-type: none"> <li>Citizens' responsibility to preserve natural habitats</li> </ul>
 <b>Environmental Awareness</b>	<ul style="list-style-type: none"> <li>Human Interaction With the Environment</li> </ul>	<ul style="list-style-type: none"> <li>Understands that people in communities affect the environment when they meet their needs and desires.</li> </ul>	<ul style="list-style-type: none"> <li>How people affect their environment to meet their needs</li> </ul>



# Science, Technology, and Innovation

Second Grade

Magnetik **Understanding:**  
Technology provides new ways to work in teams.

Magnetik **Question:**  
How does technology allow us to collaborate with others?

Global **Issue:**  
Social isolation caused by technology

Challenge-**Action Question:**  
**How can I use technology to improve interaction?**





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Knotion® Subject	Topic	Learning Outcome	Content
 <b>Language Mastery</b>	• 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	• Identifies and uses three letter consonant blends.	• Three letter blends: scr, spr, str, shr, spl
		• Recognizes soft c and soft g spelling patterns.	• Soft c /s/ and soft g /dʒ/
		• Understands what constitutes the long vowel sound a.	• Long a /eɪ/: a, ai, ay, ea, ei, eigh, ey
		• Understands what constitutes the long vowel sound i.	• Long i /aɪ/: i, y, igh, ie
	• Structure and Function	• Understands the concept of subject-verb agreement.	• Subject-verb agreement
		• Identifies and uses the simple present tense.	• Simple present tense to express habits, general truths, emotions, unchanging situations
		• Identifies and uses present progressive tense.	• Present progressive tense for actions at the moment of speaking
		• Understands the uses of linking and action verbs.	• Linking verbs
 <b>Reading Skills</b>	• Genre	• Understands that the purpose of an expository nonfiction text is to teach readers about a specific topic in an interesting way.	• Expository informational text
	• Strategies and Skills	• Identifies the author's purpose (example: to inform, entertain, or explain) in text.	• Author's purpose
		• Identifies the main idea of a story and the details that support it.	• Main topic and key details
		• Summarizes a story using the most important events and supporting details.	• Summarizing
		• Asks and answers questions to demonstrate understanding of a text.	• Asking and answering questions
 <b>Writing Workshop</b>	• Writing Strategy	• Finds and writes information using the appropriate research tools.	• Research writing
 <b>Communication</b>	• Oral Communication	• Participates in conversations and discussions.	• Sharing information and ideas
		• Uses content-specific vocabulary to ask questions and provide information.	• Asking and answering questions
		• Discusses, contributes, and expands on the ideas of self and others.	• Contribution in discussions to develop a topic maintaining focus on the topic



Knotion Subject	Topic	Learning Outcome	Content
 <b>Physical Science</b>	• Matter and its Interactions	• Recognizes how technology helps us observe the world beyond our senses.	• Technological items like a microscope or a telescope
		• Understands and demonstrates that certain tools and technology make work easier.	• Simple machines (simple technology) that make work easier
 <b>Earth Science</b>	• Earth's Place in the Universe	• Understands that patterns of the motion of the Sun, the Moon, and stars in the sky can be observed, described, and predicted.	• Patterns of the Sun, the Moon, and stars
		• Observes, describes, and predicts seasonal patterns of sunrise and sunset.	• Seasonal patterns of sunrise and sunset



Knotion Subject	Topic	Learning Outcome	Content
 <b>Citizenship Awareness</b>	• Civic Ideals, Cultural Principles, and Ethics	• Understands that it is important to use technology responsibly.	• Digital responsibility
		• Explains how technology influences school work.	• Technology makes our school work easier
 <b>Historical Awareness</b>	• Historical Chronology	• Understands that technology has changed over time.	• Technology over time



# Origins and Cultural Diversity

Second Grade

Magnetik **Understanding:**

Traditions and celebrations reinforce cultural identity.

Magnetik **Question:**

How can I learn from other cultures?

Global **Issue:**

Lack of respect for other cultures





Challenge-**Action Question:**

How can I promote respect towards other cultures?



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Knotion® Subject	Topic	Learning Outcome	Content
 <b>Language Mastery</b>	• 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	• Correctly pronounces and writes words with silent letter combinations wr, sc, kn, mb.	• Silent letter combinations wr, sc, kn, mb
		• Understands what constitutes the long vowel sound e.	• Long e: e, ee, ea, ie, y, ey, e_e /i/
		• Understands what constitutes the long vowel sound o.	• Long o: o, oa, ow, oe /oʊ/
		• Understands what constitutes the long vowel sound u.	• Long u: u_e, ew, ue, u /u/ /ju/
	• Structure and Function	• Understands and uses simple past of the verb to be.	• Past form of the verb to be: was, were
		• Uses the simple past of regular and irregular verbs.	• Simple past using regular and irregular verbs
		• Understands and uses the future tense with will.	• Future simple with will
		• Understands the uses of main and helping verbs.	• Main and helping verbs
 <b>Reading Skills</b>	• Genre	• Understands that the folktale is a characteristically anonymous, timeless, and placeless tale circulated orally among a people.	• Folktales
	• Strategies and Skills	• Creates a mental image that reflects or represents the ideas in the text.	• Visualization
		• Explains what might happen next in a story or what the author may tell next.	• Making and confirming predictions
		• Identifies statements that show cause and effect and understands the difference between them.	• Cause and effect
		• Asks and answers questions to demonstrate understanding of a text.	• Asking questions
 <b>Writing Workshop</b>	• Writing Strategy	• Understands how to write an opinion based on likes and dislikes, giving reasons.	• Opinion writing
		• Registers information about a Geography topic with the help of an image.	• Registering information
		• Writes information about the community.	
 <b>Communication</b>	• Oral Communication	• Clearly communicates own ideas.	• Speaking to an audience
		• Produces complete sentences when appropriate to task and situation in order to provide requested detail or clarification.	• Simple statements and questions using basic tenses
		• Reviews greetings, courtesy, and good bye expressions in brief dialogues.	• Expressions
		• Exchanges information about places in the community.	• Information about places





Knotion Subject	Topic	Learning Outcome	Content
<b>Earth Science</b>	<ul style="list-style-type: none"> <li>Earth's Systems</li> </ul>	<ul style="list-style-type: none"> <li>Understands that a landform is any natural formation of rock and dirt found on Earth.</li> </ul>	<ul style="list-style-type: none"> <li>How landforms are created and how they interact with one another</li> </ul>
		<ul style="list-style-type: none"> <li>Identifies different landforms and recognizes landforms in the community.</li> </ul>	<ul style="list-style-type: none"> <li>Landform characteristics</li> </ul>
		<ul style="list-style-type: none"> <li>Recognizes that climate and landscape impact people's behavior.</li> </ul>	<ul style="list-style-type: none"> <li>Climate and landscape impact people's behavior</li> </ul>
		<ul style="list-style-type: none"> <li>Describes ways that the Earth changes.</li> </ul>	<ul style="list-style-type: none"> <li>Erosion and weathering</li> </ul>



Knotion Subject	Topic	Learning Outcome	Content
<b>Citizenship Awareness</b>	<ul style="list-style-type: none"> <li>Civic Involvement</li> </ul>	<ul style="list-style-type: none"> <li>Describes ways individuals contribute to a community.</li> </ul>	<ul style="list-style-type: none"> <li>Neighbors contributing to community life</li> </ul>
<b>Historical Awareness</b>	<ul style="list-style-type: none"> <li>Historical Cultural Heritage</li> </ul>	<ul style="list-style-type: none"> <li>Understands that communities may be made up of people from many cultures that share cultural similarities and differences.</li> </ul>	<ul style="list-style-type: none"> <li>Cultural diversity in the community, cultural similarities and differences in the community</li> </ul>
		<ul style="list-style-type: none"> <li>Recognizes personal heritage and compares different cultures around the world.</li> </ul>	<ul style="list-style-type: none"> <li>Personal origins and identity in different cultures around the world</li> </ul>
		<ul style="list-style-type: none"> <li>Identifies how communities celebrate their traditions.</li> </ul>	<ul style="list-style-type: none"> <li>Celebrations and traditions</li> </ul>



# Productivity and Economy

Second Grade

Magnetik **Understanding:**

Rural and urban communities depend on each other.

Magnetik **Question:**

How are urban and rural communities related?

Global **Issue:**

Scarcity of natural resources

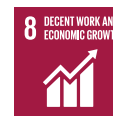
Challenge-**Action Question:**





**How can I make good use of natural resources to produce goods?**

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Knotion® Subject	Topic	Learning Outcome	Content
 <b>Language Mastery</b>	• 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	• Identifies the sound spelling relationships of R-controlled vowel patterns -ar.	• R- Controlled vowels are /ar/, air /eər/, ear /ɪər/, ere /ɜr/
		• Identifies the sound spelling relationships of R-controlled vowel patterns -or, ör.	• R- Controlled vowels or, ore, oar /ɔr/, ar /ar/
		• Identifies the sound spelling relationships of R-controlled vowel patterns -ir.	• R- Controlled vowels eer, ere, ear /ɪər/
		• Identifies the sound spelling relationships of R-controlled vowel patterns -ur.	• R- Controlled vowels er, ir, ur, or /ɜr/
	• Structure and Function	• Creates compound sentences by joining two simple sentences.	• Compound sentences
		• Uses the conjunctions and, or, and but.	• Conjunctions "and", "or" and "but"
		• Produces sentences with the correct structure.	• Sentence structure (ordering sentences)
		• Uses commas to separate items in a series.	• Commas
 <b>Reading Skills</b>	• Genre	• Understands that a fable is short tale to teach a moral lesson, often with animals or inanimate objects as characters.	• Fables
	• Strategies and Skills	• Explains what might happen next in a story or what the author may tell next.	• Making and confirming predictions
		• Identifies story elements including, setting, character, and plot.	• Character, setting, and plot
		• Identifies the problem and the solution in a story.	• Problem and solution
		• Creates mental images that reflect or represent the ideas in the text.	• Visualization
 <b>Writing Workshop</b>	• Writing Strategy	• Writes clear step-by-step instructions.	• Instructive writing
		• Participates in the writing of experiment reports.	• Instructive writing
 <b>Communication</b>	• Oral Communication	• Gives and follows directions and instructions.	• Giving and following directions
		• Follows and gives instructions to plant a plant.	• Giving and following directions
		• Produces complete sentences when appropriate to task and situation in order to provide requested details or clarification.	• Simple statements and questions using basic tenses



Knotion Subject	Topic	Learning Outcome	Content
<b>Physical Science</b>	<ul style="list-style-type: none"> <li>• Matter and its Interactions</li> </ul>	<ul style="list-style-type: none"> <li>• Identifies materials that are processed or not processed.</li> </ul>	<ul style="list-style-type: none"> <li>• Familiar food products: which are processed and which are not. (natural vs. not natural)</li> </ul>
		<ul style="list-style-type: none"> <li>• Identifies the basic need of animals and humans.</li> </ul>	<ul style="list-style-type: none"> <li>• Basic needs of animals and humans</li> </ul>
		<ul style="list-style-type: none"> <li>• Identifies the basic need of plants.</li> </ul>	<ul style="list-style-type: none"> <li>• Basic Needs of Plants (light , air, water, nutrients)</li> </ul>
		<ul style="list-style-type: none"> <li>• Knows that plants produce oxygen and food for animals.</li> </ul>	<ul style="list-style-type: none"> <li>• Benefits of Plants (oxygen and food)</li> </ul>
		<ul style="list-style-type: none"> <li>• Understands that animals can be grouped according to what they eat.</li> </ul>	<ul style="list-style-type: none"> <li>• Herbivores, carnivores, omnivores and scavengers</li> </ul>



Knotion Subject	Topic	Learning Outcome	Content
<b>Environmental Awareness</b>	<ul style="list-style-type: none"> <li>• Human Interaction With the Environment</li> </ul>	<ul style="list-style-type: none"> <li>• Analyzes people's needs in urban and rural areas and how they satisfy these needs.</li> </ul>	<ul style="list-style-type: none"> <li>• People's different needs and how they are satisfied depending on where they live</li> </ul>
		<ul style="list-style-type: none"> <li>• Distinguishes between rural and urban areas and compares their lifestyles.</li> </ul>	<ul style="list-style-type: none"> <li>• Characteristics of rural and urban areas; similarities and differences</li> </ul>
		<ul style="list-style-type: none"> <li>• Describes ways in which people use the natural environment.</li> </ul>	<ul style="list-style-type: none"> <li>• How people use the natural environment</li> </ul>
		<ul style="list-style-type: none"> <li>• Compares land use and access to natural resources in urban and rural communities.</li> </ul>	<ul style="list-style-type: none"> <li>• Land use (example: housing) and natural resources use (like water) in rural and urban areas</li> </ul>





# Power, Authority, and Civil Ideals

Second Grade

Magnetik **Understanding:**  
Authorities enforce laws to guarantee coexistence.

Magnetik **Question:**  
Why are authorities important in our community?





Global **Issue:**  
Lack of respect toward authority

Challenge-**Action Question:**  
**How can I influence others to respect authorities?**


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Knotion® Subject	Topic	Learning Outcome	Content
 <b>Language Mastery</b>	• 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	• Writes and spells words containing the diphthongs oy and oi.	• Diphthong oy, oi /ɔɪ/
		• Understands what constitutes the vowel sounds /o/.	• Diphthong: a, aw, au, augh, al /ɔ/
		• Writes and spells words containing the diphthongs ou, ow.	• Diphthong ou, ow /aʊ/
		• Understands what constitutes the vowel sounds /u/, /ju/ and /ʊ/.	• Variant vowels oo, u, u_e, ew, ue, ui /u/ /ju/; oo, ou, u /u/ /ʊ/
	• Structure and Function	• Uses adjectives as words that modify and provide characteristics about nouns.	• Adjectives
		• Uses adjectives as words that provide characteristics related to senses.	• Adjectives and our senses (looks, sounds, feels, tastes, or smells)
		• Uses comparative and superlative adjectives to make comparisons between two or more things.	• Adjectives that compare (-er / -est)
		• Identifies and forms different contractions.	• Contractions
 <b>Reading Skills</b>	• Genre	• Understand that a literary nonfiction text explains and gives facts about a specific topic.	• Nonfiction
	• Strategies and Skills	• Identifies the main idea of a story and the details that support it.	• Main topic and key details
		• Asks and responds to questions about the text.	• Asking questions
		• States information that has not been directly written.	• Making inferences
		• Identifies the author's purpose (example: to inform, entertain, or explain) in text.	• Author's purpose
 <b>Writing Workshop</b>	• Writing Strategy	• Persuades the reader to agree a point of view on a text or a topic.	• Persuasive writing
		• Participates in the writing of words related to street signs.	• Street signs
 <b>Communication</b>	• Oral Communication	• Shares information and ideas about the importance of rules.	• Share information and ideas
		• Examines street signs and words related to them.	• Street signs
		• Uses multiple strategies to develop and expand oral vocabulary.	• Description of people, places, things, and events with relevant details, expressing ideas and feelings clearly
		• Uses verbal and nonverbal language to express and receive information.	• Visual displays to appropriately describe and clarify ideas, thoughts, and feelings



Knotion Subject	Topic	Learning Outcome	Content
 <b>Life Science</b>	• Classification and Inheritance	• Recognizes that living things can be grouped.	• Organization of living things according to one attribute (all these live on land, all these have fur)
	• Structures and Processes of Organisms	• Applies structural characteristics of animals to group them.	• Backbones and bones
		• Explains some characteristics of the vertebrate groups.	• Mammals, reptiles, birds, amphibians, fish
		• Explains some characteristics of the invertebrate groups.	• Insects, spiders, worms, crustaceans, and mollusks
		• Identifies social insects and recognizes how they are organized.	• Social insects and their specialized roles (queen, soldiers, workers, etc.)
	• Classification and Inheritance	• Recognizes differences among living organisms of the same species.	• Differences and similarities among insects



Knotion Subject	Topic	Learning Outcome	Content
 <b>Citizenship Awareness</b>	• Government Organization, Laws, and Political Systems	• Describes the importance of authority.	• Importance and effectiveness of authority and its role in an organized community
		• Describes the consequences of the lack of authority.	• Consequences of the lack of authority
		• Identifies the role of people with authority.	• Role of people with authority



# Crisis and Conflict Resolution

Second Grade

Magnetik **Understanding:**

People face and deal with disagreements differently.

Magnetik **Question:**

How do different people deal with disagreements?

Global **Issue:**

Conflicts and disagreements

Challenge-**Action Question:**

**What can I do to deal with a disagreement in a positive way?**





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Knotion® Subject	Topic	Learning Outcome	Content
 <b>Language Mastery</b>	• 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	• Reads and forms words that contain consonant sound -le.	• Consonant +le (el, al /əl/) syllables
		• Recognizes and correctly pronounces vowel pairs.	• Vowel pairs ie, ea, ei /i/
		• Identifies the spelling-sound correspondences for the short vowels.	• Short Vowels: ea /e/, ou /u/ /ju/, y /i/
		• Separates words into syllables and determines if those syllables are open or closed.	• Closed syllables and open syllables
	• Structure and Function	• Identifies and uses adverbs.	• Adverbs
		• Identifies and uses different kinds of adverbs.	• Adverbs (how, when, where)
		• Identifies and uses can for ability.	• Can and can't
		• Uses the expressions there is and there are to say that something exists.	• There is and there are / There was and there were
 <b>Reading Skills</b>	• Genre	• Understands that a biography is a sequence of true events in a person's life.	• Biography
	• Strategies and Skills	• Retells important events in sequential order.	• Sequence
		• Summarizes a story using the most important events and supporting details.	• Summarizing
		• Asks and answers questions to demonstrate understanding of a text.	• Asking and answering questions
		• Identifies the problem and the solution in a story.	• Problem and solution
 <b>Writing Workshop</b>	• Writing Strategy	• Writes a story about an experience.	• Personal writing
		• Reviews the writing of personal information and hobbies.	• Personal writing
 <b>Communication</b>	• Oral Communication	• Organizes ideas and conveys information in a logical sequence to share experiences.	• Relate an experience
		• Understands questions about personal information and hobbies.	• Hobbies
		• Compares emotions provoked by reading stories.	• Emotions
		• Creates audio recordings of stories or poems; adds drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and feelings.	• Communication and fluency
		• Discusses, contributes, and expands on the ideas of self and others.	• Contribution in discussions to develop a topic maintaining focus on the topic



Knotion Subject	Topic	Learning Outcome	Content
<b>Physical Science</b>	<ul style="list-style-type: none"> <li>• Motion, Forces, and Interactions</li> </ul>	<ul style="list-style-type: none"> <li>• Describes the different ways things can move.</li> </ul>	<ul style="list-style-type: none"> <li>• Motion, straight line, oscillatory, circular</li> </ul>
		<ul style="list-style-type: none"> <li>• Explains how to cause objects to move.</li> </ul>	<ul style="list-style-type: none"> <li>• How to cause motion</li> </ul>
		<ul style="list-style-type: none"> <li>• Recognizes that work is done when a force moves an object.</li> </ul>	<ul style="list-style-type: none"> <li>• Work</li> </ul>



Knotion Subject	Topic	Learning Outcome	Content
<b>Citizenship Awareness</b>	<ul style="list-style-type: none"> <li>• Civic Ideals, Cultural Principles, and Ethics</li> </ul>	<ul style="list-style-type: none"> <li>• Identifies feelings and needs behind conflicts.</li> </ul>	<ul style="list-style-type: none"> <li>• Feelings and personal needs in conflicts</li> </ul>
		<ul style="list-style-type: none"> <li>• Learns how to see things from another person's point of view.</li> </ul>	<ul style="list-style-type: none"> <li>• Different perspectives and points of view</li> </ul>
		<ul style="list-style-type: none"> <li>• Describes the expectations of how to act and behave during and after a disagreement.</li> </ul>	<ul style="list-style-type: none"> <li>• Behavioral expectations during and after a disagreement</li> </ul>
		<ul style="list-style-type: none"> <li>• Analyzes conflictive situations and evaluates ways to resolve them positively.</li> </ul>	<ul style="list-style-type: none"> <li>• Examples of conflictive situations and ways of conflict resolutions</li> </ul>
		<ul style="list-style-type: none"> <li>• Identifies strategies for anger management and skills for conflict resolution.</li> </ul>	<ul style="list-style-type: none"> <li>• Different techniques for anger management</li> </ul>
		<ul style="list-style-type: none"> <li>• Determines how and when to apply strategies to resolve conflicts peacefully.</li> </ul>	<ul style="list-style-type: none"> <li>• Different strategies to resolve conflicts</li> </ul>



# Environment and Sustainability

Second Grade

Magnetik **Understanding:**

Proper trash disposal benefits our health and the environment.

Magnetik **Question:**

How does trash affect our health and the environment?

Global **Issue:**

Inadequate waste management

Challenge-**Action Question:**





How can I learn to manage waste properly?



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Knotion® Subject	Topic	Learning Outcome	Content
 <b>Language Mastery</b>	• 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	• Identifies the spelling-sound correspondences for the long vowel syllables CVCe.	• CVCe syllables /eɪ/, /i/, /aɪ/, /oʊ/, /u/ /ju/
		• Recognizes and uses the meaning of common abbreviations.	• Abbreviations: days of the week, months, titles
		• Identifies, creates, and determines the meaning of compound words.	• Compound words
		• Recognizes and writes words that contain the inflectional endings -s, -es, -ies.	• Inflectional endings -s, -es, -ies
	• Structure and Function	• Identifies and uses subject pronouns.	• Subject pronouns
		• Identifies and uses object pronouns.	• Object pronouns
		• Uses a range of action verbs.	• Action verbs that express physical and mental actions
		• Uses demonstrative pronouns (this / that / these / those) to point out specific objects.	• Demonstratives (this, that, these, those)
 <b>Reading Skills</b>	• Genre	• Understands that fiction stories are created from the imagination.	• Fiction
	• Strategies and Skills	• Describes characters, settings, and events in detail, using examples from the text.	• Character, setting, and plot
		• Sequences events in a story using the words first, second, next, then, and last.	• Sequence
		• Creates mental images that reflect or represent the ideas in the text.	• Visualization
		• Identifies the author's purpose (example: to inform, entertain, or explain) in text.	• Author's purpose
 <b>Writing Workshop</b>	• Writing Strategy	• Expresses an opinion, tries to convince readers to agree, or evaluate something.	• Persuasive writing
 <b>Communication</b>	• Oral Communication	• Communicates and shares ideas clearly using appropriate language.	• Sharing ideas
		• Discusses, contributes, and expands on the ideas of self and others.	• Contribution in discussions to develop a topic maintaining focus on the topic
		• Produces complete sentences when appropriate to task and situation in order to provide requested detail or clarification.	• Simple statements and questions using basic tenses





Knotion Subject	Topic	Learning Outcome	Content
<b>Physical Science</b>	<ul style="list-style-type: none"> <li>• Matter and Its Interactions</li> </ul>	<ul style="list-style-type: none"> <li>• Sorts objects based on the different types of materials they are made of.</li> </ul>	<ul style="list-style-type: none"> <li>• Sorting objects according to their materials</li> </ul>
		<ul style="list-style-type: none"> <li>• Explains how to reduce waste by reducing, reusing, or recycling familiar materials.</li> </ul>	<ul style="list-style-type: none"> <li>• Plastic, aluminum, glass and other materials</li> </ul>
		<ul style="list-style-type: none"> <li>• Recognizes properties of materials for the purpose of recycling.</li> </ul>	<ul style="list-style-type: none"> <li>• Upcycling</li> </ul>



Knotion Subject	Topic	Learning Outcome	Content
<b>Environmental Awareness</b>	<ul style="list-style-type: none"> <li>• Human Interaction With the Environment</li> </ul>	<ul style="list-style-type: none"> <li>• Describes how people can help the environment.</li> </ul>	<ul style="list-style-type: none"> <li>• The 3 Rs of recycling and how it helps the environment</li> </ul>
		<ul style="list-style-type: none"> <li>• Describes the benefits of recycling on the environment.</li> </ul>	<ul style="list-style-type: none"> <li>• The 3 Rs of recycling and its importance</li> </ul>
		<ul style="list-style-type: none"> <li>• Learns how to reduce, reuse, and recycle.</li> </ul>	<ul style="list-style-type: none"> <li>• The 3 Rs of recycling and how to do it</li> </ul>