



2026-2027 Icahn Charter Schools Monthly Syllabus



October 2026 KINDERGARTEN

Language & Literacy

Core Knowledge Poems & Stories	Comprehension Skills & Strategies	Grammar	Phonics & Vocabulary
Books we are reading: -Last stop on market street -Chica chica boom boom -Rap a tap tap -Think of that	Differentiate between the words and illustrations in a text, including describing the role the author and illustrator play in the development of these text features. (RI.K.6, RI.K.6) Answer questions about key details using details from the text's words and illustrations. (RI.K.1, RI.K.1, L.K.1.d)	Letter-keyword-sound for consonants, sentence structure.	Students are learning uppercase and lowercase letters "M" and "N". And teaching them how to write the letters.

Process-Based Writing

Genre	Writing Traits & Conventions
Informative/Explanatory Writing	Students use sentence frames to construct a complete sentence. Students collect evidence to answer a specific question. Then they expand upon their responses by providing additional details from the text in their drawings.

Mathematics

Unit Topic	Big Ideas	Models/Strategies
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Numbers 1-10: Count and Compare Groups of Objects

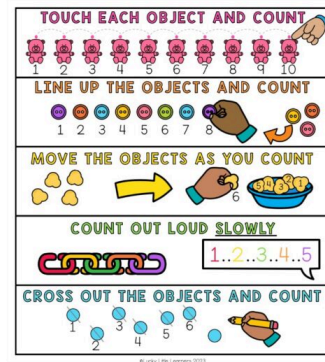
NY-K.CC.4 - Understand the relationship between numbers and quantities; connect counting to cardinality

NY-K.CC.6 - Identify whether the number of objects in one group is greater than (more than), less, than (fewer than) or equal to (the same as) the number of objects in another group, e.g. by using matching and counting strategies

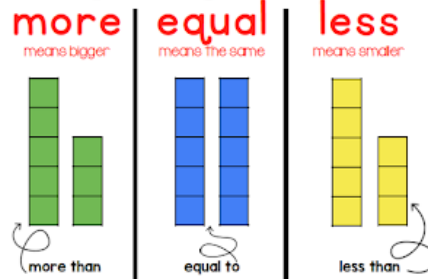
NY - K.CC.7 - Compare two numbers between 1 and 10 presented as written numerals.

COUNTING STRATEGIES

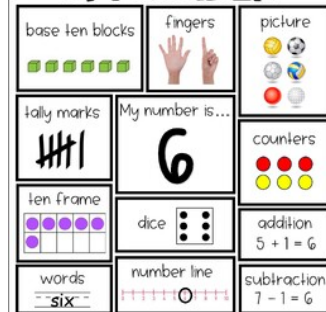
We can use strategies to help us count a group of objects.



Comparing Numbers



WAYS TO SHOW A NUMBER



Science

Through hands-on exploration and observation, students are discovering how their senses help them gather information, make observations, and better understand the world around them.

Core Knowledge

Physical Education Health

Students will learn about flag football and cardiovascular health while continuing to develop personal responsibility, teamwork, and the ability to make healthier choices that support their physical well-being.



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October 2026 FIRST GRADE

Language & Literacy

Core Knowledge Poems & Stories	Comprehension Skills & Strategies	Grammar	Phonics & Vocabulary
Module 1 - How do books change lives around the world? My Librarian is a Camel That Book Woman Green Eggs and Ham	Skills Decoding-sounding out printed words Fluency-reading smoothly and accurately Background information-connecting what you read to what you already know Strategies Predicting-guessing what will happen Visualizing-creating mental images Questioning-asking yourself questions Summarizing-retelling the story in sequential order	-Common, proper and possessive nouns -Adjectives -Writing a sentence using a complete thought -Using end punctuation	CVC and Trick Words-a, an, am, the, is, in, if, his, had, of, has, into, we, he, she, be, me, for, or Vocabulary: inspire, remote, mobile, scholar

Process-Based Writing

Genre	Writing Traits & Conventions
Literary and Informational Texts -Ask and answer questions -retelling stories including key details -describing characters, settings and major events	Writing Narratives -Recounting two or more sequenced events, including details and using transition words with guidance and support

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Addition and Subtraction Story Problems	-Add to, Change Unknown -Put Together/ Take Apart - Compare -Addend Unknown	-Using 10 frames and cubes to check their counting when counting on, counting up or counting back

Science

Students will explore the four seasons and investigate how the amount of daylight changes throughout the year. They will also learn about the night sky, including stars and constellations, and discover how astronomers observe and study objects in space.

Core Knowledge

**Physical Education
Health**

Students will learn about flag football and cardiovascular health while continuing to develop personal responsibility, teamwork, and the ability to make healthier choices that support their physical well-being.



October 2026 SECOND GRADE

Language & Literacy

Core Knowledge Poems & Stories	Comprehension Skills & Strategies	Grammar	Phonics & Vocabulary
Module 1: A Season of Change Essential Question: How does change impact people and nature? Focus on changes in weather, seasons, plants, animals, and people. Core texts include <i>The Little Yellow Leaf</i> , <i>A Color of His Own</i> , <i>Why Do Leaves Change Color?</i>	Ask and answer questions about a text. Identify the beginning, middle, and end of a story. Recount important events and details. Determine the central message or essential meaning of a text. Identify main topics and supporting details in informational text. Compare characters, events, and changes across texts. Use illustrations and text evidence to support answers. Make connections between texts and prior knowledge. Identify cause-and-effect relationships. Compare fiction and informational texts about change. Use key details to explain how nature, leaves, and animals change.	Use complete sentences when speaking and writing. Revise sentence fragments into complete sentences. Use adjectives to describe settings, actions, and nature. Write sentences with more than one subject. Combine simple sentences using conjunctions. Vary sentence structure in writing. Use linking words to connect ideas in informative writing. Write topic sentences and conclusions in informative paragraphs. Revise writing to add details and improve clarity.	Use context clues and a dictionary to determine the meaning of unfamiliar words. Build academic vocabulary connected to seasonal change and nature. Understand and use words soared camouflage separate shape uncurled disappear survive usually Use word parts, including prefixes and suffixes, to determine word meaning. Apply the Outside-In strategy to determine the meaning of unfamiliar words. Use vocabulary from the texts when speaking and writing. Explain shades of meaning between related words. Make connections between new vocabulary and prior knowledge.

Process-Based Writing

Genre	Writing Traits & Conventions
Informative/Explanatory Writing	Write a clear topic sentence. Use evidence and details from the text to support the topic. Organize ideas in a logical order. Explain evidence. Write a conclusion that connects back to the topic. Use adjectives to add details. Combine sentences using conjunctions. Revise and edit writing for clarity. Improve writing by adding stronger evidence and details. Use module vocabulary in informative writing. Rehearse, revise, and publish an informative paragraph. Self-assess writing for complete sentences, vocabulary, evidence, and organization.

Mathematics		
Unit Topic	Big Ideas	Models/Strategies
Unit 2: Adding and Subtracting within 100	<p>Add and subtract within 100 using place-value strategies. Use tens and ones to understand how two-digit numbers can be composed and decomposed.</p> <p>Use the relationship between addition and subtraction to find unknown numbers.</p> <p>Decompose a ten when needed to subtract. Compare different strategies and explain why they work.</p> <p>Represent and solve one- and two-step addition and subtraction story problems.</p> <p>Solve problems with unknowns in different positions.</p> <p>Decide whether an answer or estimate makes sense.</p>	<p>Base-ten blocks</p> <p>Connecting cubes</p> <p>Tens and ones drawings</p> <p>Place-value strategies</p> <p>Compose and decompose tens</p> <p>Addition and subtraction equations</p> <p>Unknown-addend strategies</p> <p>Relationship between addition and subtraction</p> <p>Tape diagrams</p> <p>Story problem diagrams</p> <p>Break apart numbers into tens and ones</p> <p>Add or subtract tens and ones separately</p> <p>Compare multiple solution strategies</p> <p>Estimate and check for reasonableness</p> <p>Explain mathematical thinking using pictures, equations, and words</p>
Science		
Students will learn about different landforms, including mountains, hills, valleys, plains, and other features of Earth's surface. They will also explore how natural processes, such as water, weathering, and erosion, can shape and change the land over time.		
Core Knowledge		
Physical Education Health		
Students will learn about flag football and cardiovascular health while continuing to develop personal responsibility, teamwork, and the ability to make healthier choices that support their physical well-being.		



October 2026 THIRD GRADE

Language & Literacy

Core Knowledge Poems & Stories	Comprehension Skills & Strategies	Grammar	Phonics & Vocabulary
Module 1: The Sea Focusing Question 2: Why and how do scientists explore the sea? Texts: <ul style="list-style-type: none"> - Ocean Sunlight: How Tiny Plants Feed the Seas - The Fantastic Undersea Life of Jaques Cousteau 	<p>Read & answer questions to demonstrate understanding of a text.</p> <p>Determine main ideas and supporting details.</p> <p>Compare and contrast information from two texts on the same topic.</p> <p>Analyze text illustrations to develop an understanding of what is happening without reading the words.</p>	<p>Explain the function of nouns and verbs in sentences.</p> <p>Capitalizing appropriate words in titles.</p> <p>Able to use different verb tenses in sentences.</p> <p>Use conventional spelling of high frequency words.</p> <p>Able to use context clues to find a meaning of an unknown word.</p>	<p>Biodiversity</p> <p>Biography</p> <p>Bioluminescent</p> <p>Bulky</p> <p>Captivity</p> <p>Ecosystem</p> <p>Explore</p> <p>Habitat</p> <p>Immense</p> <p>Impact</p> <p>Non-fiction</p> <p>Nutrients</p> <p>Photosynthesis</p> <p>Predator</p> <p>Prey</p> <p>Species</p> <p>Tethered</p> <p>Tinker</p>

Process-Based Writing

Genre	Writing Traits & Conventions
Informative/Explanatory Writing	<ul style="list-style-type: none"> - Write a clear topic statement - Identify the essential idea of a paragraph - Use key details and evidence from texts - Organize information around a main topic - Write informative paragraphs with relevant details - Use descriptive words and adjectives - Write complete and expanded sentences - Use correct capitalization, punctuation, and spelling - Revise writing for clarity and added detail

Mathematics

Unit Topic	Big Ideas	Models/Strategies
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Wrapping Up Addition and Subtraction within 1,000

Using place value
to understand how
to round whole
numbers and
add/subtraction
within 1,000.

Represent and
solve two step
word problems,
using addition,
subtraction, and
multiplication.

SUBTRACTION STRATEGIES

part-part-whole

 $8 - 5 = 3$
 The whole - part = part
 $8 - 5 = 3$

count backwards

 $8 - 5 = 3$

my brain

 $8 - 5 = 3$

use your fingers

 $8 - 5 = 3$

friends of ten

 If $6 + 4 = 10$, then $10 - 4 = 6$
 and $10 - 6 = 4$
 $8 - 5 = 3$

draw a picture

 $8 - 5 = 3$

ADDITION STRATEGIES

counters or blocks

 $6 + 2 = 8$

tally marks

 $6 + 2 = 8$

number line

 $6 + 2 = 8$

ten frames

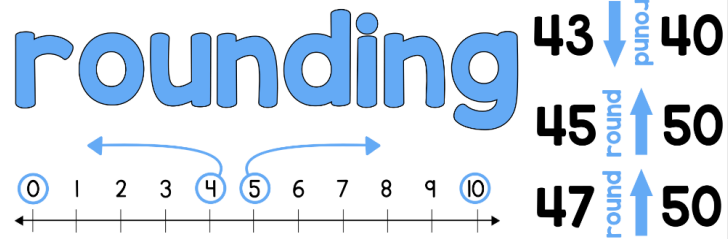
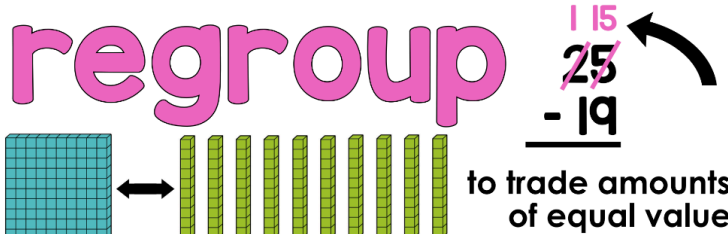
 $6 + 2 = 8$

draw a picture

 $6 + 2 = 8$

my brain

 $6 + 2 = 8$



place value

THOUSANDS	HUNDREDS	TENS	ONES
4	3	2	1

Science

Students will learn that magnetism is a force that can push or pull certain objects without touching them. Through hands-on investigations, students will explore how magnets work, use magnets to solve problems, and discover how magnetic forces are used in the real world, including in trains.

Core Knowledge

Physical Education Health

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2026-2027 Icahn Charter Schools Monthly Syllabus

October 2026 FOURTH GRADE

Language & Literacy

Wit & Wisdom	Comprehension Skills & Strategies	Grammar	Vocabulary
<p>ESSENTIAL QUESTION: What does it mean to have a great heart, literally and figuratively?</p> <p>Students explore the figurative meaning of heart in Love That Dog, Sharon Creech's story of a boy who finds his voice. Students first examine his broken heart and then analyze his great change of heart. In Love That Dog, students will read and analyze a series of free-verse poems from the main character's point of view, as well as the classic poetry referenced in this text.</p>	<p>Determine a theme of a story, drama, or poem from details in the text; summarize the text. (RL.4.2)</p> <p>Explain major differences between poems, drama, and prose, and refer to the structural elements of poems (e.g., verse, rhythm, meter) and drama (e.g., casts of characters, settings, descriptions, dialogue, stage directions) when writing or speaking about a text. (RL.4.5)</p> <p>Make inferences about characters and events based on details in a literary text. (RL.4.1)</p> <p>Explain the structure and meaning of poems. (RL.4.5)</p>	<p>We will continue using commas and conjunctions to write compound sentences. Use and order adjectives correctly in an essay.</p>	<p>line stanza pattern structure rhythm rhyme repetition imagery antonym synonym meter free verse poetry prose onomatopoeia alliteration theme</p>

Process-Based Writing

Genre	Writing Traits & Conventions
<p>Nonfiction/ Informative</p>	<p>Write an essay describing the figurative and literal uses of the term great heart, citing textual evidence as support. (W.4.2, W.4.8, W.4.9)</p> <p>Write summaries of narratives and poems. (W.4.2, W.4.8)</p>

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Multiplicative Comparison & Measurement	In this unit, students make sense of multiplication as a way to compare quantities. They use this understanding to solve problems about measurement.	<p>Students can use manipulatives such as snap cubes to compare quantities in terms of multiplication.</p> <p>Students write multiplication equations to express comparisons. As the problems become more complex, they reason, with given diagrams (or diagrams they draw), and use division to find an unknown factor.</p> <p>Students will relate centimeters and meters in terms of multiplication—1 meter is 100 times as long as 1 centimeter—and use this reasoning to convert any number of meters to centimeters.</p> <p>Students write multiplication equations to express comparisons. As the problems become more complex, they reason, with given diagrams (or diagrams they draw), and use division to find an unknown factor.</p>
Science		
Students will explore how energy is transferred between objects during collisions and other interactions. They will investigate how energy can change from one form to another and apply their understanding of energy transfer and transformation to solve real-world problems.		
Core Knowledge		
Physical Education Health		
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2026-2027 Icahn Charter Schools Monthly Syllabus

October 2026 FIFTH GRADE

Language & Literacy

Wit & Wisdom	Comprehension Skills & Strategies	Grammar	Vocabulary
Focusing Question: How does the conflict between the Nez Perce and the U.S. government reveal differing cultural beliefs and values?	Explain how values and beliefs of a culture, particularly those of the Nez Perce, U.S. government, and early White settlers, motivate and influence actions, and how those actions can lead to conflict.	Explain the function of conjunctions, prepositions, and interjections in general and their function in particular sentences.	Determine or clarify the meaning of unknown words and phrases in texts using a variety of strategies, including interpreting figurative language in context.

Process-Based Writing

Genre	Writing Traits & Conventions
Informative Writing	<ul style="list-style-type: none"> - Craft topic statements for informative/ explanatory paragraphs, including comparison or contrast paragraphs, that state an essential idea about a topic and include one or two key points. (W.5.2.a)

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Add & Subtract Fractions	Add and subtract fractions with unlike denominators by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.	<ul style="list-style-type: none"> - Fluently multiply multi-digit whole numbers using a standard algorithm. - Interpret a fraction as division of the numerator by the denominator - Using visual fraction models or equations to represent the problem.

Science

Structures and Properties of Matter

Essential Question: What happens when different substances are mixed together?

Core Knowledge

History & Geography	Visual Arts	Physical Education	Cultural Celebrations
Native Americans and the Western Expansion	Exploration of Character and Personal Identity	Flag Football	<ul style="list-style-type: none"> - Hispanic History Month - Indigenous People's Day

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October 2026 SIXTH GRADE

Language & Literacy

Wit & Wisdom	Comprehension Skills & Strategies	Grammar	Vocabulary
Focusing Question: What sustained people's spirits during the Great Depression?	Analyze how specific events in the text contribute to the development of characters, plot, theme, or central idea.	Determine both the figurative and literal meanings of given words.	Composition Resilience Spirits Texture Sustain Relevant Imagery

Process-Based Writing

Genre	Writing Traits & Conventions
Explanatory writing	Develop a thesis and its supporting points with relevant, sufficient evidence and elaboration and with task, purpose, and audience in mind. (W.6.2.b, W.6.4, W.6.9)

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Ratios, Rates, & Percentages	Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.	<ul style="list-style-type: none"> - Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.

Science

Ecosystems and the Diversity of Life

Predict patterns of interactions among organisms in a variety of ecosystems.

Core Knowledge

History & Geography	Visual Arts	Physical Education	Cultural Celebrations
Ancient Civilization	Exploration of Character and Personal Identity	Flag Football	<ul style="list-style-type: none"> - Hispanic History Month - Indigenous People's Day

2026-2027 Icahn Charter Schools Monthly Syllabus

October 2026 SEVENTH GRADE

Language & Literacy

Wit & Wisdom	Comprehension Skills & Strategies	Grammar	Vocabulary
Focusing Question: What do The Canterbury Tales reveal about identity and storytelling?	Determine a theme and analyze its development over the course of the text.	Choose among simple, compound, complex, and compound-complex sentences to signal differing relationships among ideas.	Pardoner Parson Chivalry/ Chivalrous Renaissance Proportion The Black Death Innuendo Daintily

Process-Based Writing

Genre	Writing Traits & Conventions
Narrative Writing	Write a medieval historical fiction narrative using effective technique, relevant descriptive details, and a well-structured event sequence with a conclusion. (W.7.3, W.7.3.e)

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Proportional & Linear Relationships	Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.	<ul style="list-style-type: none"> Students create graphs, tables, and equations in order to interpret the constant of proportionality as the rate of change of one variable with respect to the other. Analyze and solve linear equations and pairs of simultaneous linear equations.

Science

Chemistry: Density & Measurement

Essential Question: How do properties, such as density, help us to classify and identify matter?

Core Knowledge

History & Geography	Spanish	Physical Education	Cultural Celebrations
Colonial Development in North America	Who am I? Identidades	Flag Football	<ul style="list-style-type: none"> Hispanic History Month Indigenous People's Day

2026-2027 Icahn Charter Schools Monthly Syllabus

October 2026 EIGHTH GRADE

Language & Literacy

Wit & Wisdom	Comprehension Skills & Strategies	Grammar	Vocabulary
Focusing Question: How does form shape a story's meaning?	Apply an understanding of the relationship between form and content in poetry.	Interpret figures of speech (e.g. verbal irony, puns) in context.	Hyperbole Narrative arc Linear narrative Crossover Metaphor Phenomenal

Process-Based Writing

Genre	Writing Traits & Conventions
Narrative Writing Poetry	Write and revise a variety of poetry that conveys a narrative, represents different poetic types, and effectively employs descriptive and sensory language. (W.8.3, W.8.4, W.8.5, W.8.10)

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Linear Equations, Inequalities, & Systems	Graphing linear equations and systems of linear equations	<ul style="list-style-type: none"> - Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve - Graph the solutions to a linear inequality in two variables as a half-plane, and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.

Science

Physics: Energy, Forces, and Motions

Apply Newton's Third Law to design a solution to a problem involving the motion of two colliding objects.

Core Knowledge

History & Geography	Spanish	Physical Education	Cultural Celebrations
A Changing Society and The Progressive Era	La Comida es Cultura Food is Culture	Flag Football	<ul style="list-style-type: none"> - Hispanic History Month - Indigenous People's Day