Icahn Charter School 5
2026-2027 Icahn Charter Schools Monthly Syllabus
OWN IT LIKE ICAHN 5

November 2026
KINDERGARTEN

Language & Literacy

Wit & Wisdom	Comprehension Skills & Strategies	Grammar	Phonics & Vocabulary
○ Rap A tap tap ○The Three Little Pigs ○ Farm Animals	**Skills**: Character, Setting, Problem & Resolution, Sequence Events **Strategy:** Asking and Answering Questions, Visualizing	Nouns	**High Frequency Words** ○ The, I, to, we, my **Phonics** ○ /r/, /p/,/j/,/h/,/l/,/k/ Identify letter and letter sound

Process-Based Writing

Genre	Writing Traits & Conventions
Informative Writing	○ Using a combination of drawing, dictating, and writing to respond to a prompt and supply information about a topic. ○ Collect evidence from the text and use it to support responses to a prompt

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Numbers 1-10 NYS Standards:K.CC.A.1, K.CC.A.3, K.CC.B, K.CC.B.	○Students answer "how many" questions, count out, and compare groups within 10. Students write a number to represent how many. ○Count and compare up to 10 objects and know the number remains the same regardless of the arrangement of the objects. ○Students identify, describe, analyze, compare, and compose two-dimensional shapes.	○ To compare the number of objects or images, students start by using terms such as "fewer" and "more." ○ Students can represent numbers with their fingers in any way, as long as they show the correct number of fingers. ○ Using 10 frames ○ Using our fingers ○ Writing Numbers ○ Comparing

Science

○ Needs of plants and Animals
○ Animal Traits

Core Knowledge

History & Geography	Visual Arts/Music
○Unit 2: Individual Development and Cultural Identity	○ Native American Totem Poles and Navajo Blankets

Cultural Celebrations

Daily/Monthly Observances & Celebrations
Native American Heritage Month Election Day Diwali Veterans Day Thanksgiving

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FIRST GRADE

Language & Literacy

Wit & Wisdom	Comprehension Skills & Strategies	Grammar	Phonics & Vocabulary
○ Green Eggs and Ham, My Librarian is a Camel, Tomas and the Library Lady, That Book Woman, Waiting for the Biblioburro ○ NYS Standards: RL.1.1, RL.1.2,RL.1.3, RL.1.6, RL.1.7,	**Skills** & **Strategy: Identifying story elements, retelling stories with sequenced events.**	○ Complete sentences	**High Frequency Words** ○ You, your, I, they, was, one, said **Phonics** ○ Bonus letter spelling rule: ff, ll, ss, zz (ex: puff) and glued sound all. (ex: mall)

Process-Based Writing

Genre	Writing Traits & Conventions
Narrative Writing NYS Standards: W.1.2, W.1.3, W.1.8,	○ Punctuation, complete sentences ○Sequencing events

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Adding and Subtracting within 20	○ Adding and subtracting within 20 ○ Applying the relationship between addition and subtraction.	○ Decompose and compose addends to find sums. ○ Taking away and counting on as a method for subtraction.

Science

○ Plants and Animal Survival
○ Animal Traits

Core Knowledge

History & Geography	Visual Arts/Music
○ Unit 2: Families: Now & Long Ago	○ Native American Totem Poles and Navajo Blankets

Cultural Celebrations

Daily/Monthly Observances & Celebrations
Native American Heritage Month Election Day Diwali Veterans Day Thanksgiving

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November 2026
SECOND GRADE

Language & Literacy

Wit & Wisdom	Comprehension Skills & Strategies	Grammar	Phonics & Vocabulary
○ *Why Do Leaves Change Color?* By Betsy M. ○ *Sky Tree* By Thomas L. **NYS Standards:** RL.2.2, RL.2.5, RL.2.7	**Skills:** ○ Fluent Reading ○ Main idea and essential message. ○ Recording observations and asking who, what, when, where, and why questions. **Strategy:** ○ Reading orally with accuracy and fluency. ○ Analyzing details that are similar in the text to discover the main idea and essential message. ○Recording observations and questions about the text on Notice & Wonder Chart.	○ Verbs, Adjectives, Sentence structure	**High Frequency Words** ○ again, animal, please, sure, used, use, against, knew, know, always, often, once **Phonics** ○ Suffix endings: es, ed, est, er, s, ing, ness, ful, ish, en, able. ○ Vowel teams: oe, oe, ow, ou, oo, ue, ew.

Process-Based Writing

Genre	Writing Traits & Conventions
Informative Writing **NYS Standards:** W.2.2, W.2.5, W.2.7	○ Crafting a topic statement that conveys the central message. ○ Using multiple texts as evidence in an informative paragraph. ○ Using transitional words like first, then, and finally Including a conclusion at the end of an informative paragraph. ○ Revising paragraphs to improve work.

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Adding and Subtracting within 100 & Measuring Length **NYS Standards:** 2.NBT.B.5, 2.NBT.B.6, 2.OA.A.1, 2.OA.B.2, 2.MD.A, 2.MD.A.1, 2.MD.A.3, 2.MD.A.4, 2.MD.B.5, 2.MD.B.6, 2.NBT.A.2.	○ Represent and Solve Story Problems ○ Metric Measurement ○ Customary measurement ○ Metric measurement ○ Line Plots	○ Subtracting 2- digit numbers by decomposing a ten, and the properties of operations within 100. ○ Represent and solve story problems using base ten, equations, and/or using strategies based on place value. ○ Measuring length in centimeters and meters.

Science

○ Wrapping up: Human's impact on the environment
○ Organisms and their habitat

Core Knowledge

History & Geography	Visual Arts/Music
Unit: Rights, Rules and Responsibilities ○ What is government and why do people need laws? ○ Vocabulary: rights, law, court,vote,constitution	○ Native American Totem Poles and Navajo Blankets

Cultural Celebrations

Daily/Monthly Observances & Celebrations

Native American Heritage Month
Election Day
Diwali
Veterans Day
Thanksgiving

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THIRD GRADE

Language & Literacy

Wit & Wisdom Close Reading	Comprehension Skills & Strategies	Grammar	Vocabulary
○ Titles of Stories: Shark Attack, Giant Squid: Searching for a Sea Monster ○ NYS Standards: RI. 3.2, L.3.4.a, RI.3.5, R.I.3.7, L.3.5.b	**Skill:** ○ Author's Purpose ○ Main idea ○ Author's Point of View **Strategy:** ○ Using prior knowledge/previewing ○ Predicting ○ Questioning	○ Subject and Verb agreement ○ Possessive nouns ○ Mechanics ○ Adjectives	**Vocabulary Strategy:** ○ Root words ○ Compound words ○ Multiple-Meaning words

Process-Based Writing

Genre	Writing Traits & Conventions
Explanatory Writing *Understanding and using the 6 traits of writing in an informational text.* *Standards: W.3.2, W.3.2.b, W.3.4*	**6 Traits of Writing:** Ideas, Organization, Voice, Word Choice, Sentence Fluency, Conventions Descriptive Details - Imagery Informational writing includes: text features, heading, facts, photographs, diagrams/graphs

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Simple Multiplication Standards: 3.OA.3 -3.OA.4 3.OA.5, NY-3.OA.7, NY-3.OA.9	○Using equal groups and repeated addition to write simple multiplication facts ○Example: 2+2+2=6 is the same as 2x3=6 and 3x2=6	**Models:** ○ Direct Modeling with cubes and base 10 blocks ○ Number line ○ Number sentences ○ Repeated addition **Strategies:** ○ Counting on ○ Splitting (decomposing numbers by place value), ○ Adding on ○ Regrouping ○ Constant difference ○ Compensating ○Using repeated addition to help solve multiplication: example: 2+2+2=6 is the same as 2X3=6 and 3X2=6

Science

○ Life Cycles, Traits and Variations for different types of organisms

Core Knowledge History & Geography	Visual Arts/Music Visual Arts/Music	Cultural Celebrations Daily/Monthly Observances & Celebrations
○ How do culture, geography, and history shape a community? -Case study of Nigeria and Egypt	○ Native American Totem Poles and Navajo Blankets	Native American Heritage Month Election Day Diwali Veterans Day Thanksgiving

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FOURTH GRADE

Language & Literacy

Wit & Wisdom Close Reading	Comprehension Skills & Strategies	Grammar	Vocabulary
○ Love That Dog & The Circulatory Story ○ NYS Standards: RL.4.1, RL.4.5, RI.4.2, RI.4.7	**Skill** ○ Problem & Solution ○ Author's Point of View **Strategies** ○ Main Idea/details ○ Summarizing ○ Sequencing	○ Sentences ○ Spelling	○ Students will use context clues to help understand the meaning of words. ○ Students will be finding definitions of words in the glossary and then apply the meaning while making a sentence.

Process-Based Writing

Genre	Writing Traits & Conventions
Informative Writing- Students will express their understanding of the module's Essential Question: "What does it mean to have a great heart, literally and figuratively?" Students will demonstrate their ability to bring together their learning in an informative essay that uses text evidence. NYS Standards: W.4.2, W.4.8	○ 6 Traits of Writing: Ideas, Organization, Voice, Word Choice, Sentence Fluency, Conventions ○ Descriptive Details - Imagery

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Multiplying and Dividing Multi-digit Numbers NYS Standards: 4.NBT.1, 4.OA.4,4.OA.5, 4,NBT.5, 4.NBT.4,MD.s, 4.MD.2a	• Multiply and divide multi-digit whole numbers using partial products and partial quotient strategies, and apply this understanding to solve multi-step problems using the four operations. • Students will multiply and divide multi-digit whole numbers using partial products and partial quotients strategies, and apply this understanding to solve multi-step problems using the four operations • Multiply a whole number of up to four digits by a one-digit whole number, and 2 two-digit numbers using strategies based on place value and the properties of operations. • Students will use the four operations to solve problems that involve multi-digit whole numbers and assess the reasonableness of answers.	**Strategies:** ○ area model ○ partial product ○ partial quotient

Science

○ This month, 4th grade students will explore how waves move and transfer energy, focusing on patterns of motion and how waves carry information. Students will also investigate how technology uses patterns and codes to communicate information over distances. Through hands-on activities and investigations, students will develop a better understanding of waves and communication in everyday life.

Core Knowledge	Visual Arts/Music	Cultural Celebrations
UNIT 3: Colonial & Revolutionary Periods ○Native American traditions ○Explorers -Verrazano, Hudson, and Champlain ○Relationships between Native Americans & Settlers	○ Native American Totem Poles ○ Text in Art: Advertising Information, Persuasion & Manipulation	Native American Heritage Month Election Day Diwali Veterans Day Thanksgiving

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FIFTH GRADE

Language & Literacy

Wit & Wisdom Close Reading	Comprehension Skills & Strategies	Grammar	Vocabulary
○ Thunder Rolling in the Mountains ○ Tracking the Elusive Whale Shark ○ Sneezing Dogs, Dancing Bees ○ Once a Hodja; A Donkey Goes to Market ○ Why the Sky is Far Away ○ A Boy in a Bed in the Dark ○ In the Well ○ A New Way to See Braille ○ Meet Cai Lun **NYS Standards:** RL.5.1, RL.5.9, RL.5.3, RL.5.1, RL.5.7, RI.5.1, RI.5.3	**Skills:** ○ Building reading fluency through accuracy, appropriate pacing, and expressive reading ○ Analyzing how characters reveal their beliefs and values and how these beliefs and values influence their decisions, actions, and relationships. **Strategies:** ○ Carefully examining texts to deepen comprehension, identify key details, and support ideas with text evidence. ○ Determining the meanings of words and phrases as they are used in a text, using context clues and textual evidence.	○ Correctly capitalize and punctuate titles in written work ○ Identify and use conjunctions to connect words, phrases, and clauses and explain how they function within sentences. ○ Use and analyze transition words and phrases to connect ideas, improve organization, and create a smooth flow of writing.	○ The purpose of vocabulary study in Wit & Wisdom is to achieve the following three key student outcomes: • Improve comprehension of complex texts. • Increase students' knowledge of words and word parts (including affixes, Latin or Greek roots, • etc.). • Increase students' ability to solve for unknown words on their own. ○ Expansion ○ Values ○ Impact ○ Customs ○ Social Studies Vocabulary ○ Sadlier Blue Vocabulary Units 8-11

Process-Based Writing

Genre	Writing Traits & Conventions
Informative/Explanatory NYS Standards: RL.5.1, RI.5.1, RI.5.3, W.5.2, W.5.4, W.5.9, L.5.2.e, L.5.6	○ Plan, organize and develop a well-structured compare and contrast paragraph with a clear, focused topic statement that clearly identifies the subjects and communicates the central idea ○ Incorporate relevant details, text evidence, and appropriate transitions to explain similarities and differences and create a smooth flow of writing.

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Fractions as quotients and multiplication NYS Standards: 5.MD.C.3, 5.MD.C.3.b, 5.MD.C.4, 5.MD.C.5.a, 5.OA.A.2	○ Students develop an understanding of fractions as the division of the numerator by the denominator.	**Models:** ○ Tape diagrams ○ Area model **Strategies:** ○ Fraction tiles ○ Regrouping ○ Diagram models

Science

○ This month, 5th grade students will explore how matter and energy move through organisms and ecosystems. Students will investigate how plants use energy from the sun to grow, how organisms obtain the matter they need to survive, and how energy and matter flow through food chains and food webs. Through hands-on activities and investigations, students will develop a deeper understanding of how living things depend on one another and their environment.

Core Knowledge	Visual Arts/Music	Cultural Celebrations
History & Geography	**Visual Arts/Music**	**Daily/Monthly Observances & Celebrations**
UNIT 2 European Exploration ○ European interactions with Native Americans **Geography** ○The movement of people, plants, animals, and diseases.	○ Native American Totem Poles ○ Text in Art: Advertising Information, Persuasion & Manipulation	Native American Heritage Month Election Day Diwali Veterans Day Thanksgiving

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SIXTH GRADE

Language & Literacy

Wit & Wisdom Close Reading	Comprehension Skills & Strategies	Grammar	Vocabulary
○ *Out of the Dust by Karen Hesse* ○ NYS Standards: RL.6.1, RL6.2, RL.6.3, RL.6.4, RL6.9, RI.6.1, RI.6.2, RL.6.9	**Skills:** ○ Central Idea ○ Theme **Strategies:** ○ Determine both literal and figurative meanings of given words ○ Compare & contrast texts	○ Analyze how the use of varied sentence patterns enhances writing, ○ Maintain consistency in style and tone	○ Vocabulary Workshop Tools for Excellence Wit and Wisdom Vocabulary: • Sustain • Symbolism • Sympathy • Compassion • Insinuating • Conservation

Process-Based Writing

Genre	Writing Traits & Conventions
Informative/Explanatory texts NYS Standards: W.6.2, W.6.4, W.6.5	○ Produce a clear and coherent writing in which the development, organization, and style are appropriate to task, purpose and audience

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Ratios, Rates, and Percentages NYS Standards: 6.RP.A.2, 6.RP.A.2.a, 6.RP.A.2.b, 6.RP.A.3, 6.RP.A.3.a, 6.RP.A.3.b, 6.RP.A.3.b	○ Ratio Notations ○ Tape Diagram Reasoning ○ Double Number Lines ○ Situations Involving Rates ○ Tables of Equivalent Ratios ○ Horizontal Number Line	○ Students learn to understand and use the terms “ratio,” “rate,” “equivalent ratios,” “per,” “at this rate,” “constant speed,” “constant rate,” “unit rate,” “speed,” “pace,” “percent,” and “percentage.” ○ They recognize when two ratios are or are not equivalent and that equivalent ratios have equal unit rates.i0-

Science

Weather and Atmosphere

○This month, 6th grade students will explore weather and the atmosphere, focusing on how different factors influence weather conditions. Students will investigate how air masses interact, how changes in temperature and air pressure affect weather patterns, and how meteorologists use data to predict the weather. Through hands-on activities and investigations, students will develop a deeper understanding of the processes that drive weather and how weather forecasts are made.

NYS Standards: MS-ESS2-5

Spanish

○ Unidad 1 quién somos ? and Unidad 2 la vida en la escuela
Unit 1: Who are we? Unit 2 life in school
○ Who am I ? (Yo soy)
○ I like (me gusta)
○ What do we do in school?
○ What do we need ?
○ Months, days of the week, colors, classroom items (Vocabulary)

Core Knowledge

History & Geography	Visual Arts/Music
UNIT 2: River Valley Civilizations -Aspects of Civilizations -Ancient Egypt, Mesopotamia, India, and China **Geography** -Eastern Hemisphere **NYS Standards:** S.S. 6.3a-d	○ Native American Totem Poles ○ Text in Art: Advertising Information, Persuasion & Manipulation

Cultural Celebrations

Daily/Monthly Observances & Celebrations

Native American Heritage Month
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SEVENTH GRADE

Language & Literacy

Wit & Wisdom Close Reading	Comprehension Skills & Strategies	Grammar	Vocabulary
○ The Canterbury Tales ○ NYS Standards: RL.7.1, RL.7.2, RL.7.3, RL.7.4	**Skills:** ○ Theme or Central Idea of a text ○ Analyze particular elements of a story of drama interact **Strategies:** ○ Determine the meaning of words/phrases ○ Analyze how the author develops and contrasts the point of view of different characters or narrators in a text	○ Develop the topic with relevant facts, concrete details, information and examples ○ Use precise language and domain-specific vocabulary to inform or explain the topic ○ Establish and maintain a formal style.	○ Vocabulary Workshop Tools for Excellence ○ Wit & Wisdom Vocabulary: - Coyly - Daintily - Fervently - Perspectives - Pilgrimage - Chivalrous - Genteel - Protagonist - Midwife - Apprentice

Process-Based Writing

Genre	Writing Traits & Conventions
Narrative Writing NYS Standards: W.7.3, W.7.3.B,	○ Use narrative techniques such as dialogue, pacing, description, to develop experience, events, and/or characters ○ Engage and orient the reader by establishing point of view and introducing a narrator and/or characters

Mathematics

Unit Topic	Big Ideas	Models/Strategies
Proportional & Linear Relationships NYS Standards: 8.EE.B Understand the connections between proportional relationships, lines, and linear equations.	○ Equations for linear relationships can be written using the slope and the vertical intercept ○Linear relationships can also have negative rates of change, shown by a negative slope in its equation and graph	○ Students make tables for linear relationships (proportional or not proportional) and use the data to calculate the rate of change ○ Students create graphs using data and use slope triangles to calculate the slope of the line ○ Students interpret graphs to find the slope and vertical intercept and write the corresponding equation in the form y = mx + b

Science	Spanish
Unit 2: Changing properties of matter ○Analyzing Chemical Reactions ○ - Students will describe how substances change into new materials in a chemical reaction. NYS Standards: MS-PS1-2: Chemical Properties and Reactions	○ unidad 2 - vida en la clase 1A - life in our classroom ○ unidad 3 - mi familia es tu familia 1A ○ my family is your family ○ de donde eres ? ○ que te gustaría hacer ? ○ noun, vowel-final words, consonant-final words

Core Knowledge

History & Geography	Visual Arts/Music
UNIT 3: American Revolution -Causes of the American Revolution -Major events and leaders **Geography** -Maps of 13 Colonies **NYS Standards: 7.3a-d**	○ Native American Totem Poles ○ Text in Art: Advertising Information, Persuasion & Manipulation

Cultural Celebrations

Daily/Monthly Observances & Celebrations
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EIGHTH GRADE

Language & Literacy

Wit & Wisdom Close Reading	Comprehension Skills & Strategies	Grammar	Vocabulary
○ The Crossover, Kwame Alexander ○ NYS Standards: RL.8.1, RL.8.2, RL.8.3, RL.8.4, RL.8.6	**Skills:** ○ Central Message about Storytelling ○ Examine and analyze a Narrative Arc ○ Describe Aspects of a Poetic Performance **Strategies:** ○Determine a central idea of a text and analyze its development ○ Citing text evidence ○ Include figurative language	○ Produce clear and coherent writing ○ Establish and maintain a formal style ○ Provide a concluding statement or section that follows from and supports the information or explanation presented.	○ Vocabulary Workshop Tools for Excellence ○ Wit & Wisdom Vocabulary: - Crossover - Irony - Ironic - Ellipsis - Evoke - Elicit - Venerable - Whimsy - Conjure - Patronize - Repress - Empower

Process-Based Writing

Genre	Writing Traits & Conventions
Informative/Explanatory Texts NYS Standards: W.8.2, W.8.3.a, W.8.4	○ Introduce a topic clearly, organize ideas, concepts, and information ○ Use precise words and phrases, relevant descriptive details, and sensory language to capture the action and convey experiences.

Mathematics

Unit Topic	Big Ideas	Models/Strategies
[Linear Equations, Inequalities, & Systems] NYS Standards: HSA-CED.A.1-4 HSA-REI.A.1-6, 10-12	○ Linear Equations & Systems ○ Linear Inequalities & Systems	○ Subsitution ○ Elimination ○ Graphing

Science

UNIT 2: EARTH'S PLACE IN THE UNIVERSE (6 WEEKS)
○Students will learn about waves and the electromagnetic spectrum (EMS)
○ Students will describe how light interacts with different materials
NYS Standards: MS-PS4-1: Wave Properties

Spanish

○ unidad 3 - vida en la clase 1B - life in our classroom
○ unidad 4 - la comida es cultura - 1B - food is culture
○ que hacen los españoles en su familia?
○ regular verbs (-ar, -er, -ir) in the present tense
irregular verbs (estar, ir)
○

Core Knowledge

History & Geography	Visual Arts/Music
UNIT 2: A Changing Society & the Progressive Era (continued) -Industrialization, Immigration, and urbanization of the US **Geography:** -Economic graphs and maps of US -Spatial awareness **NYS Standards:** S.S 11.2a- 11.2d	○ Native American Totem Poles ○ Text in Art: Advertising Information, Persuasion & Manipulation

Cultural Celebrations

Daily/Monthly Observances & Celebrations
Native American Heritage Month Election Day Diwali Veterans Day Thanksgiving