



YONKERS PUBLIC SCHOOLS

English Language Arts • Mathematics • Social Studies • Science
Conceptual Understandings | Key Ideas | Required Skills

GRADE 5

Power Standards for Academic Success Committee

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The **Power Standards for Academic Success- Blueprint for Leveraging Grade Level Standards** for grades kindergarten through eight provide structures for teaching and learning in the Yonkers Public Schools for the 2020-2021 school year. This blueprint will evolve with ongoing data-driven review and input from District practitioners.



To Yonkers Public Schools Educators,

The **Power Standards for Academic Success- Blueprint for Leveraging Grade Level Standards** for grades kindergarten through eight provide structures for teaching and learning in the Yonkers Public Schools for the 2020-2021 school year. Our collective experience with Distance Learning and social isolation from March through June 2020 helps guide our work moving forward. Technology driven flexible instruction is the “new” normal for education moving forward.

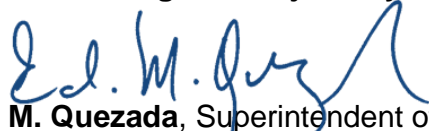
As the school district reopens following this extended school closure, it is evident that school leaders and teachers will need to devote time during the school day to address Social Emotional Learning (SEL) as well as learning gaps. In the upcoming school year teachers and students must focus on the most critical skills, in tandem with the full curriculum, when engaging in teaching and learning to mitigate the potential long-term learning gap impact. Therefore, in collaboration with school leaders, teachers and content directors, the District developed the **Power Standards for Academic Success** that is a plan to access grade level standards emphasizing depth over breadth in English language arts, math, science and social studies.

The Next Generation Learning Standards, the New York State P-12 Science Learning Standards, the New York State K-12 Social Studies Framework, and other New York State Education Department Office of Curriculum and Instruction guidelines *are still in place*. The **Power Standards** are not to be used as the full curriculum; school leaders and teachers must continue to consult State learning standards in their instruction. The Power Standards are to be used in conjunction with data-informed teaching and learning to adjust pacing of instruction and scaffold using a Multi-Tiered System of Supports to bridge learning from the previous school year.

The **Power Standards for Academic Success** are structured by grade level and content area as follows:

- ❖ **Conceptual Understanding**, or broad concepts for the grade level, communicate the big picture,
 - **Key Ideas** support that Conceptual Understanding,
 - **Required Skills** communicate what students should know and be able to do to succeed in the next grade level.

With a collective, focused and relentless commitment we can, we must, reverse the impact COVID-19 has wielded on our students achievement and wellbeing. The 2020-2021 school year offers magnificent opportunities for creative innovative teaching and learning. I look forward to working with you as we navigate this journey for our students.


Dr. Edwin M. Quezada, Superintendent of Schools



Blueprint for Leveraging Grade Level Standards English Language Arts, Math, Science, and Social Studies

Grade 5	English Language Arts
Conceptual Understanding: Conventional Academic English in Oral and Written Language	
Key Idea: Know and apply grade-level phonics and word analysis skills in decoding words	
Required Skills: Phonics and word recognition	
a. Use combined knowledge of all letter-sound correspondences, syllabication patterns, and morphology (e.g., roots and affixes) to read accurately unfamiliar multisyllabic words in context and out of context	
Key Idea: Demonstrate automaticity on grade level text	
Required Skills: Fluency	
a. Use context to confirm or self-correct word recognition and understanding, rereading as necessary	
Key Idea: Demonstrate vocabulary acquisition and usage	
Required Skills: Determine or clarify the meaning of unknown and multiple-meaning words and phrases, choosing flexibly from a range of strategies	
a. Use context (e.g., cause/effect relationships and comparisons in text) as a clue to the meaning of a word or phrase	
b. Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., photograph, photosynthesis)	
c. Consult reference materials (e.g., dictionaries, glossaries, thesauruses) to find the pronunciation and determine or clarify the precise meaning of key words and phrases	
Key Idea: Demonstrate vocabulary acquisition and usage	
Required Skills: Acquire and accurately use general academic and content-specific words and phrases, including those that signal contrast, addition, and other logical relationships (e.g., however, although, nevertheless, similarly, moreover, in addition)	
Key Idea: Demonstrate command of the conventions of academic English grammar and usage when writing and speaking	
Required Skills: Core conventions skills	
a. Explain the function of conjunctions, prepositions, and interjections in general as well as in particular sentences	
b. Use verb tense to convey various times, sequences, states, and conditions	
c. Recognize and correct inappropriate shifts in verb tense	
d. Ensure subject-verb and pronoun-antecedent agreement	
e. Use and identify prepositional phrases	
f. Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons	
g. Correctly use frequently confused words (e.g., to, too, two; there, their)	

Power Standards in this Blueprint do not represent the total curriculum. The Power Standards, reflected as required skills in this document, are essential learning outcomes for students that provide direction for detailed instructional work plans in schools and District departments. For specific examples, please reference State learning standards.



Blueprint for Leveraging Grade Level Standards English Language Arts, Math, Science, and Social Studies

Grade 5	English Language Arts
Key Idea: Demonstrate command of the conventions of academic English, capitalization, punctuation, and spelling when writing	
Required Skills: Core punctuation and spelling skills <ol style="list-style-type: none"> a. Use commas and quotation marks in dialogue b. Use commas and quotation marks to show direct speech and quotations from a text c. Use a comma before a coordinating conjunction in a compound sentence d. Use conventional spelling for high-frequency and other studied words, and to add suffixes to base words (e.g., sitting, smiled, cries, happiness) 	
Conceptual Understanding: Theme/Central Idea, Drawing on Character Traits, and Overall Structure of a Story Poem or Drama Contributes to Deeper Analysis and Critical Thinking of/about a Text	
Key Idea: Key ideas and details	
Required Skills: <ol style="list-style-type: none"> a. Determine a theme or central idea and explain how it is supported by key details; summarize a text b. In literary texts, describe character traits, motivations, or feelings, drawing on specific details from the text c. In informational texts, describe the relationship among a series of events, ideas, concepts, or steps in a text, using language that pertains to time, sequence, and cause/effect d. In literary texts, compare and contrast two or more characters, settings, and events, drawing on specific details in the text e. In informational texts, explain the relationships or interactions between two or more individuals, events, ideas, or concepts based on specific evidence from the text 	
Key Idea: Craft and structure	
Required Skills: <ol style="list-style-type: none"> a. Determine the meaning of words, phrases, figurative language, academic, and content-specific words and analyze their effect on meaning, tone, or mood b. In literary texts, explain how a series of chapters, scenes, or stanzas fits together to determine the overall structure of a story, drama, or poem c. In informational texts, compare and contrast the overall structure in two or more texts using terms such as sequence, comparison, cause/effect, and problem/solution 	
Key Idea: Integration of knowledge and ideas	
Required Skills: Explain how claims in a text are supported by relevant reasons and evidence, identifying which reasons and evidence support which claims	

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Blueprint for Leveraging Grade Level Standards English Language Arts, Math, Science, and Social Studies

Grade 5	English Language Arts
Conceptual Understanding: How to Write an Argumentative Piece to Support a Stated Claim	
Key Idea: Writing	
Required Skills: Write an argument to support claims with clear reasons and relevant evidence <ol style="list-style-type: none">Introduce a precise claim and organize the reasons and evidence logicallyProvide logically ordered reasons that are supported by facts and details from various sourcesUse precise language and content-specific vocabulary while writing an argumentUse appropriate transitional words, phrases, and clauses to clarify and connect ideas and conceptsProvide a concluding statement or section related to the argument presentedMaintain a style and tone appropriate to the writing task	
Conceptual Understanding: How to Engage in Accountable Conversations	
Key Idea: Speaking and listening	
Required Skills: <ol style="list-style-type: none">Come to discussions prepared, having read or studied required material, draw on that preparation and other information known about the topic to explore ideas under discussionFollow agreed-upon norms for discussions and carry out assigned rolesPose and respond to specific questions to clarify or follow up on information and make comments that contribute to the discussion and link to the remarks of othersSummarize information presented in diverse formats (e.g., including visual, quantitative, an oral)Identify and evaluate the reasons and evidence a speaker provides to support particular points	



Blueprint for Leveraging Grade Level Standards English Language Arts, Math, Science, and Social Studies

Grade 5	Math
Conceptual Understanding: Number and Operations in Base Ten	
Key Idea: Understand the place value system	
Required Skills:	
<ul style="list-style-type: none"> a. Understand and explain the value of the digits in a multidigit number b. Explain patterns when a decimal is multiplied or divided by a power of 10 c. Read, write, and compare decimals to thousandths d. Round decimals to any place 	
Key Idea: Perform operations with multi-digit whole numbers and with decimals to hundredths	
Required Skills:	
<ul style="list-style-type: none"> a. Fluently multiply multi-digit whole numbers b. Divide 4-digit dividends by 2-digit divisors c. Add, subtract, multiply, and divide decimals to hundredths 	
Conceptual Understanding: Number and Operations – Fractions	
Key Idea: Use equivalent fractions as a strategy to add and subtract fractions	
Required Skills:	
<ul style="list-style-type: none"> a. Add and subtract fractions and mixed numbers with unlike denominators b. Solve word problems using addition and subtraction of fractions 	
Key Idea: Apply and extend previous understandings of multiplication and division to multiply and divide fractions	
Required Skills:	
<ul style="list-style-type: none"> a. Understand a fraction as division of the numerator by the denominator b. Solve word problems involving division of whole numbers where the answers are in the form of fractions or mixed numbers c. Multiply a fraction or a whole number by a fraction d. Think of multiplication as the scaling or resizing of a number e. Solve real-world problems involving multiplication of fractions and mixed numbers f. Divide fractions by whole numbers and whole numbers by fractions 	

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Blueprint for Leveraging Grade Level Standards English Language Arts, Math, Science, and Social Studies

Grade 5	Math
Conceptual Understanding: Measurement and Data	
Key Idea: Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition	
Required Skills: <ul style="list-style-type: none">a. Understand volume in solid figuresb. Measure volume by counting unit cubesc. Relate volume to multiplication and addition and solve real-world and mathematical problems involving volumed. Use formulas; $V = l \times w \times h$ and $V = b \times h$ to find the volume of an object	



Blueprint for Leveraging Grade Level Standards English Language Arts, Math, Science, and Social Studies

Grade 5	Science
Conceptual Understanding: Space Systems (Stars and the Solar System)	
Key Idea: Represent data in graphical displays (bar graphs, pictographs and/or pie charts) to reveal patterns that indicate relationships	
Required Skills: Represent data in graphical displays to reveal patterns of daily changes in length and the direction of shadows, day and night, and the seasonal appearance of some stars in the night sky	
Key Idea: Support an argument with evidence, data, or a model	
Required Skills:	
<ul style="list-style-type: none"> a. Support an argument that the gravitational force exerted by Earth on objects is directed down b. Support an argument that differences in the apparent brightness of the Sun compared to other stars is due to the relative distances from Earth 	
Conceptual Understanding: Earth's Systems	
Key Idea: Develop a model using an example to describe a scientific principle	
Required Skills: Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere and/or atmosphere interact	
Key Idea: Describe and graph quantities such as area and volume to address scientific questions	
Required Skills: Describe and graph the amounts of salt water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth	
Key Idea: Obtain and combine information from books and/or other reliable media to explain phenomena or solutions to a design a problem	
Required Skills: Obtain and combine info about ways individual communities use science ideas to protect Earth's resources and environment	
Conceptual Understanding: Structures and Properties of Matter	
Key Idea: Develop a model to describe phenomena	
Required Skills: Develop a model to describe that matter is made of particles too small to be seen	
Key Idea: Conduct an investigation collaboratively to produce data to serve as the basis for evidence, using fair tests in which variables are controlled and the number of trials considered	
Required Skills: Conduct an investigation to determine whether the mixing of two or more substances results in new substances	
Key Idea: Measure and graph quantities such as weight to address scientific and engineering questions and problems	
Required Skills: Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling or mixing substances the total amount of matter is conserved	

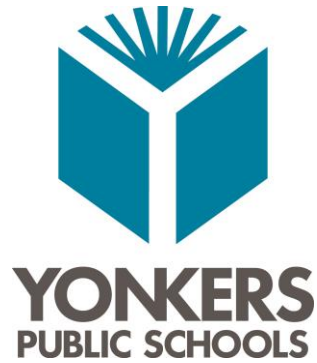
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Blueprint for Leveraging Grade Level Standards English Language Arts, Math, Science, and Social Studies

Grade 5	Social Studies
Conceptual Understanding: History and Geography of the Western Hemisphere	
<p>Key Idea: The diverse geography of the Western Hemisphere has influenced human culture and settlement in distinct ways. Human communities in the Western Hemisphere have modified the physical environment.</p>	
<p>Required Skills:</p> <ol style="list-style-type: none"> a. Map the regions within the Western Hemisphere and locate major physical features within each region b. Create a political map of the Western Hemisphere noting which countries are in which region, and a political map of the United States showing the location of the states c. Use physical, climate, and vegetative maps in combination with population density, land use, and resource distribution maps to discern patterns in human settlement and types of economic activity 	
Conceptual Understanding: The Rich and Diverse Cultures of the Western Hemisphere	
<p>Key Idea: The countries of the Western Hemisphere are diverse and the cultures of these countries are rich and varied. Due to their proximity to each other, the countries of the Western Hemisphere share some of the same concerns and issues.</p>	
<p>Required Skills:</p> <ol style="list-style-type: none"> a. Explore key cultural characteristics, such as languages, religions, and contributions, of the U.S., Canada, Mexico, and one Caribbean or one South American country b. Compare and contrast key cultural characteristics and contributions associated with the U.S. to those associated with Canada, Mexico, and a country in either the Caribbean or South America c. Investigate a current issue that two or more Western Hemisphere countries are facing together (e.g., environmental issues, immigration, trade) 	

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Superintendent of Schools

2020-2021

