# An Aggregate Correlation: JA Middle School Programs and Common Core State Standards in English Language Arts and Mathematics <br> 2018 

## Common Core ELA Standards Grades 6-8

## RI. Reading for Informational Text

RI. 1 Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
RI. 2 Determine a central idea of a text and how it is conveyed through particular details; provide a summary of the text distinct from personal opinions or judgments.
RI. 3 Analyze the interactions between individuals, events, and ideas in a text.
RI.6.4 Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings.
RI. 7 Evaluate the advantages and disadvantages of using different media or formats


## W. Writing

W. 1 Write arguments to support claims with clear reasons and relevant evidence.
W. 2 Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
W. 4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
W. 6 Use technology, including the Internet, to produce and publish writing and link to and cite sources as well as to interact and collaborate with others, including linking to and citing sources.
W. 7 Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.


## SL. Speaking and Listening

SL. 1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others ideas and expressing their own clearly.
SL. 2 Analyze the main ideas and supporting details presented in diverse media and formats.
SL. 3 Delineate a speaker's argument and specific claims, distinguishing claims that are supported by reasons and evidence from claims that are not.
SL. 4 Present claims and findings, sequencing ideas logically and using pertinent descriptions, facts, and details to accentuate main ideas or themes; use appropriate eye contact, adequate volume, and clear pronunciation.
SL. 5 Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.
SL 6.6 Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.

L. Language
L.6.1 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
L.6.2 Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
L.6.3 Use knowledge of language and its conventions when writing, speaking, reading, or listening.
L.6.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases.
L.6.5 Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.
L.6.6 Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases


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| RH Reading Standards for Literacy in History/Social Studies 6-8. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| RH. 1 Cite specific textual evidence to support analysis of sources. | $\bullet$ | - | $\bullet$ |  |  |
| RH. 2 Determine the central ideas of information of a source; provide an accurate summary of the source distinct from prior | $\bullet$ | - | $\bullet$ |  |  |
| RH. 3 Identify key steps in a text's description of a process. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |
| RH. 4 Determine the meaning of words and phrases as they are used in a text, including vocabulary specific to domains related | $\bullet$ | - | $\bullet$ | $\bullet$ | $\bullet$ |
| RH. 5 Describe how a text presents information (e.g. sequentially, comparatively, causally). | $\bullet$ | - | $\bullet$ | $\bullet$ | $\bullet$ |
| RH. 6 Identify aspects of a text that reveal an author's point of view or purpose. | - | - | $\bullet$ |  |  |
| RH. 7 Integrate visual information with other information in print and digital texts | $\bullet$ | - | $\bullet$ | $\bullet$ | $\bullet$ |
| RH. 8 Distinguish among fact, opinion, and reasoned judgement in a text | $\bullet$ | $\bullet$ | $\bullet$ |  |  |
| RH. 10 By the end of grade 8, read and comprehend history/social studies texts in the grades 6 | $\bullet$ | - | $\bullet$ | $\bullet$ | $\bullet$ |
| Common Core Math Grade 6 |  |  |  |  |  |
| RP.6 Ratios and Proportional Relationships |  |  |  |  |  |
| RP.6.1 Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. |  | - | - |  |  |
| RP.6.2 Understand the concept of a unit rate $a / b$ associated with a ratio $a: b$ with $b \neq 0$, and use rate language in the context of $a$ ratio relationship. |  | $\bullet$ |  |  |  |
| RP.6.3 Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations. | $\bullet$ | - | $\bullet$ |  |  |
| NS. 6 The Number System |  |  |  |  |  |
| NS.6.2 Fluently divide multi-digit numbers using the standard algorithm. |  | $\bullet$ |  |  |  |
| NS.6.3 Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation. | $\bullet$ | $\bullet$ | $\bullet$ | - |  |
| NS.6.5 Understand that positive and negative numbers are used together to describe quantities having opposite directions or | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |
| SP. 6 Statistics and Probability |  |  |  |  |  |
| SP.6.1 Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. |  | $\bullet$ |  |  |  |
| SP.6.2 Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape. |  | $\bullet$ |  |  |  |
| Common Core Math Grade 7 |  |  |  |  |  |
| RP. 7 Ratios and Proportional Relationships |  |  |  |  |  |
| RP.7.2 Recognize and represent proportional relationships between quantities. |  | $\bullet$ | $\bullet$ |  |  |
| RP.7.3 Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error. | $\bullet$ | $\bullet$ | $\bullet$ |  |  |
| NS. 7 The Number System |  |  |  |  |  |
| NS.7.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. |  | - | - |  |  |
| NS.7.3 Solve real-world and mathematical problems involving the four operations with rational numbers. | $\bullet$ | - | $\bullet$ |  |  |

Junior Achievement

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## SP. 7 Statistics and Probability

SP.7.1 Understand that statistics can be used to gain information about a population by examining a sample of the population;. Understand that random sampling tends to produce representative samples and support valid inferences.

SP.7.5 Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring.

Common Core Math Grade 8

## F. 8 Functions

F 8 Use functions to model relationships between quantities.
8.SP Statistics and Probability

| SP.8.2 Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that <br> suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data |  | $\bullet$ |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| SP.8.4 Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. |  | $\bullet$ |  |  |  |
| Common Core Mathematical Practices Grades 6-8 |  |  |  |  |  |
| 1. Make sense of problems and persevere in solving them. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 2. Reason abstractly. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 3. Construct viable arguments and critique the reasoning of others. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 4. Model with mathematics | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 5. Use appropriate tools strategically. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 6. Attend to precision. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 7. Look for and make use of structure. | $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |
| 8. Look for and express regularity in repeated reasoning. | $\bullet$ |  |  |  |  |

