

Parent Readiness for 6th Grade

Parents,

As we transition from AIMS standards to the Common Core, we realize that the level of standards and instruction will increase. We want this transition to be smooth and we want to provide our students with every opportunity to succeed through this shift in standards. When it comes to the Common Core, we will be digging deeper into those concepts and really analyzing them to promote higher level thinking.

As teachers, we are confident that your child will succeed through this transition. We want to provide you and your child with as much support as we can so that your child will be successful.

Below, is a list of standards that will be helpful through this transition.

Math:

- Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. *For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."*
- Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent.
- Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.
- Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself, e.g., $-(-3) = 3$, and that 0 is its own opposite.

- Write, interpret, and explain statements of order for rational numbers in real-world contexts. *For example, write $-3^{\circ}\text{C} > -7^{\circ}\text{C}$ to express the fact that -3°C is warmer than -7°C .*
- Distinguish comparisons of absolute value from statements about order. *For example, recognize that an account balance less than -30 dollars represents a debt greater than 30 dollars.*
- Write expressions that record operations with numbers and with letters standing for numbers. *For example, express the calculation “Subtract y from 5” as $5 - y$.*
- Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity. For example, in a problem involving motion at constant speed, list and graph ordered pairs of distances and times, and write the equation $d = 65t$ to represent the relationship between distance and time.
- Geometric Formulas:
 1. Area of Triangle- $A = \frac{1}{2}BH$
 2. Area of Rectangle- $A = L \times W$
 3. Volume of a Rectangular Prism- $V = L \times W \times H$
- Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. *For example, “How old am I?” is not a statistical question, but “How old are the students in my school?” is a statistical question because one anticipates variability in students’ ages.*
- Display numerical data in plots on a number line, including dot plots, histograms, and box plots.
- Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.

Reading:

- Describe how a particular story's or drama's plot unfolds in a series of episodes as well as how the characters respond or change as the plot moves toward a resolution.
- Provide a summary of the text distinct from personal opinions or judgments.
- Explain how an author develops the point of view of the narrator or speaker in a text.
- Compare and contrast texts in different forms or genres (e.g., stories and poems; historical novels and fantasy stories) in terms of their approaches to similar themes and topics.
- Trace and evaluate the argument and specific claims in a text, distinguishing claims that are supported by reasons and evidence from claims that are not.
- Compare and contrast one author's presentation of events with that of another (e.g., a memoir written by and a biography on the same person).

Writing:

- Be able to write a story using descriptive details.
- Be able to write a persuasive essay or letter.
- Be able to write a research piece using media and online resources.

Language:

- Be able to differentiate between multiple parts of speech (For example, nouns, verbs, adverbs)
- Ensure that pronouns are in the proper case (subjective, objective, possessive). Use intensive pronouns (e.g., *myself*, *ourselves*). Recognize and correct inappropriate shifts in pronoun number and person.*
- Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; gather vocabulary knowledge when considering a

word or phrase important to comprehension or expression.

- Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase. Use common, grade-appropriate Greek or Latin affixes and roots as clues to the meaning of a word (e.g., *audience*, *auditory*, *audible*). Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning or its part of speech.

Below, is a list of websites that will support your child in this change to the Common Core:

1. MyOn.com=Promote higher level reading
2. <http://www.ixl.com/standards/common-core/math/grade-6> = A great website to promote higher level thinking in math

Attached to this packet, are printable practice exercises that will help your student be successful.

Please feel free to contact us if you need more resources and support through this transition. We are here to provide the best educational experience for your child.

Yours in Education,

The Sixth Grade Team