**Soaring To Success**

What Incoming FSMS Sixth Graders   
Should Know

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| **Core Subject** | **Skills** | **(suggested) Resources/Website** |
| **ELA** | * Identify literary elements such as: conflict, setting, character traits, theme, flashback and foreshadow. * Identify and write text/poetry that incorporates figurative language such as: personification, oxymoron, hyperbole, simile and metaphor. * Identify a story’s plot structure: exposition, rising action, climax, falling action, resolution * Use the writing process (brainstorm, drafting, revising, editing, publishing) when developing essays.   Knowledge & application of foundational grammar, capitalization & punctuation in writing such as: nouns, pronouns, types of sentences, comma usage and capitalization rules.   * Application of dictionary skills & use of a thesaurus. |  |
| **Social Studies** | * Map skills: Be familiar on how to use an atlas |  |
| **Science** | * Construct simple tables, charts, and graphs. * Multiplying and dividing with decimals. * Make observations, infer and interpret information by analyzing data. * Collect and record data through using the metric system. * Compare and contrast physical properties of matter. * Classify matter based on physical properties. Identify alternative energy resources. * Differentiate among forms of energy and explore the uses of energy. * Observe the way organisms interact with living and nonliving parts of ecosystems. * Weathering and erosion. * Landforms and processes that lead to the formation of sedimentary rock. | FBISD adopted textbook:  TX Science Fusion grades 4 and 5  FBISD Digital Resources:  http://www.fortbendisd.com/Page/451 |
| **Math** | * **Compare and order two decimals to thousandths and represent comparisons using the symbols >, <, or =.** * Simplify numerical expressions that do not involve exponents, including up to two levels of grouping * Simplify numerical expressions that do not involve exponents, including up to two levels of grouping * Solve with proficiency for quotients of up to a four-digit dividend by a two-digit divisor using strategies and the standard algorithm * **Solve for quotients of decimals to the hundredths, up to four-digit dividends and two-digit whole number divisors, using strategies and algorithms, including the standard algorithm** * Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models. * **Divide whole numbers by unit fractions and unit fractions by whole numbers**   Solve problems by calculating conversions within a measurement system, customary, or metric   * generate a numerical pattern given a rule in the form y = ax or y = x + a and graph * recognize the difference between additive and multiplicative numerical patterns given in a table or graph * represent and solve multi-step problems involving the four operations with whole numbers using equations with a letter standing for the unknown quantity * use concrete objects and pictorial models to develop the formulas for the volume of a rectangular prism, including the special form for a cube (V = l x w x h, V = s x s, and V = Bh) * **represent and solve problems related to perimeter and/or area and related to volume** * determine volume of a rectangular prism with whole number side lengths in problems related to the number of layers times the number of unit cubes in the area of the base * represent categorical data with bar graphs or frequency tables and numerical data, including data sets of measurements in fractions or decimals, with dot plots or stem-and-leaf plots * solve one and two step problems using data from a frequency table, dot plot, bar graph, stem and leaf plot, or scatterplot | FBISD adopted textbook  Websites:  Virtual Nerd  Cool Math |