

Philosophy

We will focus on a pedagogy that cultivates the students' ability to problem solve and think critically. We will focus on the development of the Five Pillars of Education: Content Mastery, School Climate, Operations, Environmental and Sustainable (Life-Long) Learning, and Innovation.

Our instruction style is multi-modal, hands-on instruction. We encourage self-motivated learners who are able to examine/scrutinize, decide relevancy, draw conclusions and explain connectedness in conclusions.

At the end of our middle grades program, our students will be prepared for classes advanced placement, advanced content, or dual-enrollment. The foundations for college placement testing will be covered in English and Math.

English Language Arts

ELA is comprised of these components:

Grammar, the mechanics of the language,

Written Expression, the art of communicating through the written word,

Composition, the art of structuring the written word, and

Reading, understanding and analysis of the literature assigned.

Grammar will converge on unlocking the usage of the language that forms inherent patterns through investigation of diagrams, as well as constructing diagrams and recognition of the overarching patterns the diagrams represent.

Written Expression diverges between creative and analytic writing. Composition instruction will move beyond the formulaic and toward purposeful use of strategies. We encourage the students toward complex thought processes, including rational, skeptical, and unbiased analysis or evaluation of evidence and the inclusion of these in the writing process through making connections : text- to-text, text-to-world, and text-to-self, etc.

Readings are drawn from both the canonistic literature and modern literature that is within the appropriate Lexile and subject matter that is well-suited to the students' needs. Students will have out of class reading to ensure that they have the capacity to use other works for comparison to in class readings.

Reading a Book

Accounting

Math Formulas

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Mathematics

6th graders are offered Advanced Math.

First Semester

number system fluency

rate, ratio, and proportional reasoning using equivalent fractions

expression

one-step equations and inequalities

area and volume

Second Semester

statistics

rational explorations: numbers and their opposites

operations with rational numbers

expressions and equations

ratios and proportional relationships

7th graders are offered Pre-Algebra.

First Semester

operations with rational numbers

expressions and equations

ratios and proportional relationships

Second Semester

geometry

inferences

probability

8th graders are offered Algebra I. (Available SY 23-24)

First Semester

transformations, congruence, and similarity

exponents

geometric applications of exponents

functions

Second Semester

linear functions

linear models and tables

solving systems of equations

Students will learn how to use their graphing calculators with proficiency, downloading lessons and apps from a computer, and uploading to a computer. They will need the Microsoft Suite loaded on a laptop as well as a TI-84 Plus graphing calculator.

Math students must know their multiplication facts from 0 to 12 before class begins or will be required to attend tutoring until they are mastered. They must be able to produce the answer fluently by using only memorization and not additive techniques such as skip counting.

Specials

Our students will participate in a variety of engaging learning extensions designed to extend learning and provide interactive learning with their classmates. The Special Schedule will be published for each quarter with each weekday having a different class. Subjects are scheduled based on the availability of our teachers to ensure we can bring in the expertise that we desire and have a broad variety of ways to learn for middle schoolers to explore.