MIDDLE SCHOOL LEARNING GOALS

LITERACY

SPOKEN LANGUAGE

following directions

logical & organized sequence of thoughts/ideas

preparation, questions, and comments contributing to discussion

formal/informal talk: appropriate to situation and purpose

collegial discussions and decision-making

presentation skills

WRITTEN LANGUAGE

presentation and composition of work

neatness and overall organization of work

uses writing process (pre-writing, drafting, revision, proofreading, publishing) for improvement and quality of writing

writes appropriate to task, purpose, and audience

Six Traits

covers topics and develops ideas thoroughly (ideas)

employs proper grammar, spelling, punctuation, and capitalization (conventions)

logical and sequenced organization and analysis of content (organization)

vocabulary (word choice)

writes clearly and with accuracy using varied sentence structure (sentence fluency)

develops distinct voices for a variety of writing genres (voice)

READING

analysis of text

analysis of text in discussion

comprehension of vocabulary in context

understanding of literary devices and genres

utilizes comprehension strategies

MATHEMATICS

NUMERATION and OPERATIONS

solves problems using multiple strategies

uses various numeric forms, including rational and irrational numbers

applies estimation skills in problem solving

solves problems involving radicals, exponents, and scientific notation

solves order of operations problems

solves complex fractions problems

solves percent problems

applies proportional reasoning in solving equivalent ratios

MIDDLE SCHOOL LEARNING GOALS

ALGEBRAIC THINKING

represent numbers in various forms (writing expressions)

solve problems using multiple strategies including numerical expressions and equations (solving equations)

use properties of operations to evaluate equivalent expressions

practices use of graphing calculator to enter equations and create graphs and tables factoring expressions

understands exponential relationships

determine the slope of a linear relationship from graphs, tables, and equations

write equations in standard linear form

analyze and solve linear equations and systems of linear equations

accurately identify linear, inverse and exponential relationships through the analysis of tables, graphs and equations

GEOMETRY AND MEASUREMENT

draw and describe geometric figures and the relationships between them

solve problems involving angle measures, perimeter, area, surface area, and volume

solve problems involving area of polygons and composite figures, surface area, and volume of solid figures and prisms

solve problems involving properties of transformations

solve problems of congruence and similarity

understand and apply the Pythagorean Theorem