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Math Literacy

Guiding Principle

A student at the proficient level in Applied Math will be able to demonstrate understanding of high school mathematics by solving problems, reasoning, communicating, representing, and making connections based on the following indicators:

Benchmark/Topics	As a result of studying Math Literacy, I will be able to:
(1) Number Operations <ul style="list-style-type: none"> • Whole Numbers • Decimals • Fractions 	2.1.1 Demonstrate proficiency of number operations, when I can add, subtract, multiply and divide <ul style="list-style-type: none"> <input type="checkbox"/> Whole Numbers <input type="checkbox"/> Decimals <input type="checkbox"/> Fractions
(2) Problem Solving using <ul style="list-style-type: none"> • Whole Numbers • Fractions • Decimals • Percents 	1.1.2 Demonstrate my ability to solve word problems when I can <ul style="list-style-type: none"> <input type="checkbox"/> Take the words of a problem and answer the question being asked using the basic operations of addition, subtraction, multiplication and division involving <ul style="list-style-type: none"> <input type="checkbox"/> Whole numbers <input type="checkbox"/> Fractions <input type="checkbox"/> Decimals
(3) Percents <ul style="list-style-type: none"> • Decimal to a percent • Percent to a decimal • Percent of a number 	2.1.3 Show understanding of percents when I can <ul style="list-style-type: none"> <input type="checkbox"/> Change a decimal to a percent <input type="checkbox"/> Change a percent to a decimal <input type="checkbox"/> Find the percent of a number
(4) Measurement <ul style="list-style-type: none"> • English units • Metric units • Area and Perimeter 	5.4.4 Show an understanding of measurement and its uses when I can <ul style="list-style-type: none"> <input type="checkbox"/> Measure lengths in English units <input type="checkbox"/> Measure lengths in Metric units <input type="checkbox"/> Find the area and the perimeter of basic polygons
(5) Basic Statistics and Probability <ul style="list-style-type: none"> • Tables, charts and graphs • Basic probability • Practical applications of basic statistics and probability 	1.1.5 Show an understanding of basic statistics and probability when I can <ul style="list-style-type: none"> <input type="checkbox"/> Read, interpret and react to tables, charts and graphs <input type="checkbox"/> Find the probability of an event occurring <input type="checkbox"/> Interpret the information given in a newspaper, magazine or other publication using my knowledge of statistics and probability
(6) Throughout this course the following will be stressed <ul style="list-style-type: none"> • Study Skills • Correct mathematical language • Appropriate Labeling • Importance of mathematics to their lives 	As a result of studying Math Literacy I will <ul style="list-style-type: none"> <input type="checkbox"/> Work to improve my study skills <input type="checkbox"/> Use correct mathematical language <input type="checkbox"/> Use appropriate labeling on problems <input type="checkbox"/> Discuss with my teacher and other members of the class the importance of mathematics in my life

*Benchmark Key – State Content Standard . State Benchmark . District Benchmark