COTTONWOOD NETWORK – STUDENT ACHIEVEMENT PLAN – 6th GRADE

Student Name____ Teacher____________________

LANGUAGE ARTS: END OF YEAR EXPECTATIONS

Fluency
- ❑ Read 6th grade level text at a rate of 125 wpm with 95 - 100% accuracy
- ❑ Read orally with expression

Vocabulary
- ❑ Learn and apply 6th grade level vocabulary for all subjects, and understand homonyms, antonyms, synonyms, and multiple meaning words (i.e. light)

Comprehension
- ❑ Comprehend multiple grade level texts using comprehension strategies such as: summarizing, connecting, predicting, inferring, questioning, and visualizing
- ❑ In grade level text identify and use vocabulary in context, sequence, main idea, supportive idea, and inference
- ❑ Make comparisons

Writing
- ❑ Use writing strategies of pre-writing, compose, revise/edit, and publish using a variety of media
- ❑ Use the 6 Traits of Writing: Voice, Word Choice, Organization, Sentence Fluency, Conventions, and Ideas
- ❑ Produce a five paragraph persuasive essay

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MATHEMATICS: END OF YEAR EXPECTATIONS

Number Sense and Operations
- ❑ Add, subtract, multiply, and divide using fractions, decimals, integers, and whole numbers with multiple digits
- ❑ Identify prime numbers, composite numbers, factors, prime factorization, greatest common factors (GCF), and least common multiples (LCM)
- ❑ Express numbers in expanded, scientific, and exponential notation
- ❑ Change fractions to decimals, and decimals to percentages (1/4 = 0.25 = 25%)
- ❑ Use a variety of mental math techniques (estimate and round), use estimation to determine whether results obtained using a calculator are reasonable
- ❑ Recognize a rational number as a ratio of two integers: **a** to **b,** where **b** is not equal to zero
- ❑ Recognize that ratios derive from pairs of rows in the multiplication table and connect with equivalent fractions

Algebra
- ❑ Apply the order of operations: PEMDAS (Parenthesis, Exponent, Multiplication and Division, Addition and Subtraction)
- ❑ Solve single variable linear equations
- ❑ Analyze algebraic expressions, tables, and graphs to determine patterns, relations, and rules
- ❑ Recognize and write expressions in different equivalent forms
- ❑ Evaluate and simplify expressions and formulas, substituting given values for the variables (i.e.: $2x + 4$; $x = 2$, therefore, $2(2) + 4 = 8$)

Geometry
- ❑ Identify lines, segments, rays, and midpoint
- ❑ Explain the difference between parallel and perpendicular
- ❑ Identify the parts of a circle, calculate area and circumference using a formula, and understand *pi*
- ❑ Identify faces, vertices, and edges of three dimensional objects
- ❑ Derive and use a formula to determine the surface area and volume of a cylinder

Measurement
- ❑ Measure, contrast, convert, and compare length accurately in customary and metric units
- ❑ Identify angles as vertical, adjacent, complimentary, and supplementary

Data Analysis and Probability
- ❑ Collect, organize, create, and compare data to create graphs (bar graphs, line graphs, frequency tables, stem/leaf plots, circle graphs, scatter plots, and line plots)

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Term 1 Goal

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Signatures:

Student________________

Parent ________________

Teacher ________________

Date: ________________

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Term 2 Goal

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Signatures:

Student________________

Parent ________________

Teacher ________________

Date: ________________

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Term 3 Goal

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Signatures:

Student________________

Parent ________________

Teacher ________________

Date: ________________

School: ________________

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