

**Correlations
between
Texas Essential Knowledge and Skills for Mathematics
and
Topics and Activities
of
Goldenrod's YouthTouch Technology Integration System**

**Provided as a Sample Only
3 Math Strands
Grades 5 TEKS**

**Prepared
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TEKS for Mathematics

Grade 5 Strands:

Number, Operation and Quantitative Reasoning
Patterns, Relationships and Algebraic Thinking
Geometry and Spatial Reasoning
Measurement
Probability and Statistics
Underlying Processes and Mathematical Tools

The following three strands of 5th grade TEKS for Mathematics will be correlated with YouthTouch topics and activities in this sample:

Number, Operation and Quantitative Reasoning
Patterns, Relationships and Algebraic Thinking
Measurement

KNOWLEDGE AND SKILLS

5.1 Number, operation, and quantitative reasoning:

The student uses place value to represent whole numbers and decimals.

The student is expected to:

(A) use place value to read, write, compare, and order whole numbers through the billions place;

YouthTouch Topic: *Exponents*

Activity: # 1

(B) use place value to read, write, compare and order decimals through the thousandths place.

YouthTouch Topic: *Exponents*

Activity: # 2

5.2 Number, operation, and quantitative reasoning:

The student uses fractions in problem solving situations.

The student is expected to:

(A) generate equivalent fractions;

No direct correlation

(B) compare two fractional quantities in problem-solving situations using a variety of methods, including common denominators;

YouthTouch Topic: *Ratios*

Activity: #1

Topic: *Relative Ratios*

Activity: # 1

(C) use models to relate decimals to fractions that name tenths, hundredths and thousandths.

No direct correlation

5.3 Number, operation, and quantitative reasoning:

The student adds, subtracts, multiplies, and divides to solve meaningful problems.

The student is expected to:

(A) use addition and subtraction to solve problems involving whole numbers and decimals;

YouthTouch Topic: *Absolute Value* **Activity:** # 1
Topic: *Addition* **Activities:** # 1, 2, 3
Topic: *Problem Solving Strategies* **Activity:** # 4
Topic: *Adding Algebraically* **Activities:** # 1, 2, 4

(B) use multiplication to solve problems involving whole numbers.

YouthTouch Topic: *Friction* **Activity:** # 3
Topic: *Work* **Activity:** # 2

(C) use division to solve problems involving whole numbers.

YouthTouch Topic: *Work* **Activity:** # 5

D) identify prime factors of a whole number and common factors of a set of whole numbers;

No direct correlation

(E) model and record addition and subtraction of fractions with like denominators in problem solving situations.

No direct correlation

5.4 Number, operation, and quantitative reasoning:

The student makes generalizations based on observed patterns and relationships.

The student is expected to:

(A) round whole numbers and decimals through tenths to approximate reasonable results in problem situations;

YouthTouch Topic: *Estimating Angles* **Activities** # 2, 3

(B) estimate to solve problems where exact answers are not required.

YouthTouch Topic: *Estimating Angles* **Activities** # 1, 4

5.5 Patterns, relationships, and algebraic thinking.

The student makes generalizations based on observed patterns and relationships

The student is expected to :

(A) use concrete objects or pictures to make generalizations about determining all possible combinations;

YouthTouch Topic: *Modeling* **Activity:** #1
Topic: *Debugging* **Activity** # 4

