

**Correlations
between
Specifications of
North Carolina Standards for Mathematics
and
Topics and Activities of
Goldenrod's YouthTouch Technology Integration System**

**Provided as a Sample Only
1 Math Strand: Spatial Sense, Measurement And Geometry
Grades 3-5**

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North Carolina Statewide Student Accountability Standards Mathematics Grades3-5

The North Carolina Statewide Student Accountability Standards for Mathematics consist of the following four strands:

- 4 Strands: **A. Number Sense, Numeration, and Numerical Operations**
B. Spatial Sense, Measurement, and Geometry
C. Patterns, Relationships, and Functions.
D. Data, Probability, and Statistics

In this sample, which is intended to demonstrate the many correlations between the North Carolina Statewide Student Accountability Standards and YouthTouch, YouthTouch topics and activities have been mapped only to the Learning Expectations of Grades 3-5 for The Spatial Sense, Measurement, and Geometry strand of the Mathematics Standards. The YouthTouch Technology Integration System also addresses the remaining Mathematics strands as well as the Statewide Student Accountability Standards for other disciplines.

B. Spatial Sense, Measurement and Geometry.

Children in Grades 3-5:

... measure distance, area and capacity in both customary and metric units

YouthTouch Topics:

Ratios: Activity 1

Measuring: Activities 1,2

Area of Circles:Activity 2,

... tell and write time using digital and analog clocks

YouthTouch Topics:

Timing: Activity

Estimating Angles: Activity 1

... using clocks and calendars, explore elapsed time problems

YouthTouch Topics:

Ratios: Activity 1

Relative Ratios: Activity1

... explore concepts of perimeter and area of rectangles and squares and develop the basic formulas for computing these quantities.

YouthTouch Topics: NA

***cf* Circles, Arcs and Chords**

Radii

Circumference

... approximate or measure the areas of irregular figures by covering them with simpler figures such as squares or triangles.

YouthTouch Topics: NA

cf **Area of a Circle**

... estimate distances and draw and build solid and plane figures.

YouthTouch Topics: NA

cf **Estimating Angles**

... learn about angle measurement, basic properties of circles, and classifications of polygons and polyhedra

YouthTouch Topics:

Angles: Activities 1, 2, 3, 4, 5

Estimating Angles: Activities 1,2,3

Circles, Arcs and Chords: Activities 1, 2, 4

Circumference: Activities 1, 2

... investigate the basic geometric relationships such as parallel, perpendicular, congruent, and similar.

YouthTouch Topics:

Point of Origin: Activity 2

... recognize symmetry and geometric transformation

YouthTouch Topics:

Modeling: Activity 3

... plot points on a rectangular grid and read graphs drawn on rectangular grids.

YouthTouch Topics:

Coordinates: Activities 2, 3, 4

Graphing Results: Activities 1,2, and Extra for Experts