Area, Surface Area, and Volume:

Where are these topics taught in our FCPS Math Standards/Curriculum?

Grade	Area	Surface Area	Volume
3	Measure area by counting squares Relate area to multiplication and addition		
4	Multiplication with Area Models		
5			Measure volume by counting unit cubes Show volume would be same as multiplying edge lengths Apply volume formula V = l x w x h or V = B x h (whole number edge lengths)
6	Area of triangles, special quadrilaterals, and polygons by decomposing into triangles and/or rectangles	Surface Area of triangular or rectangular prism taught but not state tested	Volume of right rectangular prisms using V = lwh or V = Bh (rational edge lengths)
7	Area and circumference of circles Area of trapezoid by formula	Surface Area (using nets as needed) for cubes, pyramids, and right prisms	Volume for cubes, pyramids, and right prisms
8		Apply formulas for surface area of cones, cylinders, and spheres	Apply formulas for volume of cones, cylinders, and spheres

Reminder:

When a course is skipped for acceleration (i.e., a student moves from 7th Grade Math "PreAlgebra" - to 8th Grade Algebra), the math teacher must include "skipped content" in the course *currently* being taught to those students.

Natalee Feese 12.23