Math Highlights
Geometry

What your Middle School Student will learn . . .	Students will learn through a research–based balanced instructional approach that includes both discovery learning and direct instruction in the following units: • Angles, Lines, and Deductive Logic • Triangles and Quadrilaterals • Polygons • Circles and 3-D shapes
Your Middle School Student will continue to develop the Standards for Mathematical Practice . . .	• Makes sense of problems and persevere in solving them • Reason abstractly and quantitatively • Construct viable arguments and critique the reasoning of others • Model with mathematics • Use appropriate tools strategically • Attend to precision • Look for and make use of structure • Look for and express regularity in repeated reasoning
What your Middle School Student will do . . .	• Use properties of congruence, correspondence and similarity of 3-D figures in problem solving • Write formal proofs • Use logic statements to construct viable arguments • Use and develop procedures to determine and describe measures of area and volume • Recognize and apply properties of angles, polygons, and polyhedrons • Use Pythagorean Theorem
What families will see …	• Children practicing and reviewing their math skills and concepts • New math vocabulary • Emphasis on collaboration and cooperation as a community of learners • Children using the Geometry online resource available anywhere, anytime, and on almost any device with an internet connection
How families can help . . .	• Encourage your child to share their math learning and math assignments • Discuss with your child how successful he/she feels • Log-in with your child to the Prentice Hall Geometry site at www.pearsonsuccessnet.com for math practice and support • Keep open communication with your child's teachers