

Algebraic Connections 4th Nine Weeks: Scope and Sequence

Content Standards	Dates Taught	% of Students scoring over 70%	Dates Re-taught (Optional)	Formative and Summative Assessments/ (Any Additional Comments Optional)
Determine measures of central tendency	3/17-20	75%	4/1	Quiz on measures of central tendency
Determine probabilities				
Apply orders of operations				
Find the range of functions when given the domain (evaluating expressions)				
Find the distance, midpoint, and slope of line segments when given two points				
Apply Pythagorean theorem				
Find the perimeter, circumference, area, and volume of geometric figures				
Solve multi-step equations of the first degree				
Translate: Verbal/symbolic				
Apply properties of similar polygons (set up proportions)				
Solve problems involving direct variations (set up proportions)				
Graph: equations/ inequalities				
Add and Subtract polynomials				
Multiply polynomials				

Content Standards	Dates Taught	% of Students scoring over 70%	Dates Re-taught (Optional)	Formative and Summative Assessments/ (Any Additional Comments Optional)
Factor polynomials				
Solve quadratic equations that are factorable				
Identify functions				
Graph or identify graphs of linear equations				
Identify the graphs of common relations				
Graph lines given certain conditions				
Solve systems of two equations				
Determine solution sets of inequalities				
Solve problems involving algebraic concepts				
Apply properties of angles and relations between angles				
Apply properties of plane and solid geometric figures				

Special Note: Since the purpose of Algebraic Connections is to serve as a bridge to Algebra II with Trig, we believe that the abbreviated standards listed in the Scope and Sequence above for the last nine weeks of this course will better prepare students. Teachers are to use Algebra I, Algebra II or other available resources to ensure students are prepared for the next mathematics course.