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Y1 Y2 Y3 Y4	Y1 Y2 Y3 Y4	Y1 Y2 Y3 Y4	Y1 Y2 Y3 Y4

DRAFT version for review purposes (5/1/14 version)

For questions about the development of these categories:
Please contact Mark Freed, Oregon Department of Education Specialist, for more information at:
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Applying Key Takeaways from Grades 6–8**								
Solving problems at a level of sophistication appropriate to high school by:								
	Applying ratios and proportional relationships.							
	Applying percentages and unit conversions, e.g., in the context of complicated measurement problems involving quantities with derived or compound units (such as mg/mL, kg/m3, acre-feet, etc.).							
	Applying basic function concepts, e.g., by interpreting the features of a graph in the context of an applied problem.							
	Applying concepts and skills of geometric measurement e.g., when analyzing a diagram or schematic.							
	Applying concepts and skills of basic statistics and probability (see 6-8.SP)							
	Performing rational number arithmetic fluently							
Number and Quantity (N)								

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The Real Number System (N-RN)				
(N-RN-A)	Extend the properties of exponents to rational exponents.			
(N-RN-B)		Use properties of rational and irrational numbers.		
Quantities (N-Q)				
(N-Q-A)	Reason quantitatively and use units to solve problems.			
The Complex Number System (N-CN)				
(N-CN-A)				Perform arithmetic operations with complex numbers.
(N-CN-B)				(+) Represent complex numbers and their operations on the complex plane.
(N-CN-C)				(+) Use complex numbers in polynomial identities and equations.
Vector and Matrix Quantities (N-VM)				
(N-VM-A)				(+) Represent and model with vector quantities.
(N-VM-B)				(+) Perform operations on vectors.
(N-VM-C)				(+) Perform operations on matrices and use matrices in applications
Algebra (A)				
Seeing Structure in Expressions (A-SSE)				
(A-SSE-A)	Interpret the structure of expressions.			
(A-SSE-B)	Write expressions in equivalent forms to solve problems.			

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Arithmetic with Polynomials and Rational Expressions (A-APR)				
(A-APR-A)	Perform arithmetic operations on polynomials.			
(A-APR-B)		Understand the relationship between zeros and factors of polynomials.		
(A-APR-C)			Use polynomial identities to solve problems.	
(A-APR-D)			Rewrite rational expressions.	
Creating Equations (A-CED)				
(A-CED-A)	Create equations that describe numbers or relationships.			
Reasoning with Equations and Inequalities (A-REI)				
(A-REI-A)	Understand solving equations as a process of reasoning and explain the reasoning.			
(A-REI-B)	Solve equations and inequalities in one variable.			
(A-REI-C)		Solve systems of equations.		
(A-REI-D)	Represent and solve equations and inequalities graphically.			
Functions (F)				
Interpreting Functions (F-IF)				
(F-IF-A)	Understand the concept of a function and use function notation.			
(F-IF-B)	Interpret functions that arise in applications in terms of the context.			

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(F-IF-C)	Analyze functions using different representations.			
Building Functions (F-BF)				
(F-BF-A)	Build a function that models a relationship between two quantities.			
(F-BF-B)			Build new functions from existing functions.	
Linear, Quadratic, and Exponential Models (F-LE)				
(F-LE-A)		Construct and compare linear, quadratic, and exponential models and solve problems.		
(F-LE-B)			Interpret expressions for functions in terms of the situation they model.	
Trigonometric Functions (F-TF)				
(F-TF-A)			Extend the domain of trigonometric functions using the unit circle.	
(F-TF-B)			Model periodic phenomena with trigonometric functions.	
(F-TF-C)			Prove and apply trigonometric identities.	
Geometry (G)				
Congruence (G-CO)				
(G-CO-A)		Experiment with transformation in the plane.		
(G-CO-B)		Understand congruence in terms of rigid motions.		
(G-CO-C)		Prove geometric theorems.		

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(G-CO-D)				Make geometric constructions.
Similarity, Right Triangles, and Trigonometry (G-SRT)				
(G-SRT-A)		Understand similarity in terms of similarity transformations.		
(G-SRT-B)		Prove theorems involving similarity.		
(G-SRT-C)		Define trigonometric ratios and solve problems involving right triangles.		
(G-SRT-D)				(+) Apply trigonometry to general triangles.
Circles (G-C)				
(G-C-A)				Understand and apply theorems about circles
(G-C-B)				Find arc lengths and areas of sectors of circles.
Expressing Geometric Properties with Equations (G-GPE)				
(G-GPE-A)				Translate between the geometric description and the equation for a conic section.
(G-GPE-B)				Use coordinates to prove simple geometric theorems algebraically.
Geometric Measurement and Dimension (G-GMD)				
(G-GMD-A)			Explain volume formulas and use them to solve problems.	
(G-GMD-B)			Visualize relationships between two-dimensional and three-dimensional objects.	
Modeling with Geometry (G-MG)				

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(G-MG-A)				Apply geometric concepts in modeling situations.
Statistics and Probability (S)				
Interpreting Categorical and Quantitative Data (S-ID)				
(S-ID-A)	Summarize, represent, and interpret data on a single count or measurement variable.			
(S-ID-B)			Summarize represent and interpret data on two categorical and quantitative variables.	
(S-ID-C)		Interpret linear models.		
Making Inferences and Justifying Conclusions (S-IC)				
(S-IC-A)		Understand and evaluate random processes underlying statistical experiments.		
(S-IC-B)			Make inferences and justify conclusions from sample surveys, experiments and observational studies.	
Conditional Probability and the Rules of Probability (S-CP)				
(S-CP-A)				Understand independence and conditional probability and use them to interpret data.
(S-CP-B)				Use the rules of probability to compute probabilities of compound events in a uniform probability model.

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Using Probability to Make Decisions (S-MD)								
(S-MD-A)				(+) Calculate expected values and use them to solve problems.				
(S-MD-B)				(+) Use probability to evaluate outcomes of decisions.				