

Secondary I Year at a Glance 2016 – 2017

It is expected that teachers will collaborate with their grade level IPLCs to determine the order and pacing of the standards/topics within each quarter

Flexible Pacing	Standards (in any order)	Topics Related to Standards	Walch Alignment	Assessment Window
All year				
	N.Q.1	Reason quantitatively		
	N.Q.3	Use units to solve problems		
Quarter 1				
August 24 – October 31st	A.CED.1	Create linear and exponential equations and inequalities in one variable	1.2.1 1.2.2 1.2.3	Pre-Assessment (Required): Aug 24th – Sept 2nd
	A.CED.2	Create equations in two or more variables	1.3.1 1.3.2	
	A.CED.3	Represent constraints and interpret solutions	1.4.1	
	A.CED.4	Rearrange formulas	1.5.1	
	A.SSE.1	Interpret linear and exponential expressions	1.1.1 1.1.2	
	A.REI.3**	Solve equations and inequalities in one variable including: compound inequalities, absolute value inequalities, and simple exponential equations (those that can be solved without logarithms)	3.1.2 3.1.3 3.1.4 compound and absolute value inequalities not covered in Walch	Grade Level Assessment: Oct 17th – Oct 28th
	A.REI.10	Understand that a graph of an equation are the solutions to the equation	2.1.1	

	A.REI.11	Explain the meaning of the intersection of two graphs	2.1.2	
	F.BF.1	Write a function that describes a relationship between two quantities	2.6.1	
	F.IF.1	Understand the concept of a linear or exponential function	2.1.3	
	F.IF.2	Use and understand function notation	2.1.4	
	N.Q.2	Define appropriate quantities for the purpose of descriptive modeling	1.2.1	

** Standard modified, see standards for changes

Quarter 2				
November 1 st – January 18 th	F.BF.1	Write a function that describes a relationship between two quantities	2.5.1	District Semester Assessment: Jan 4th – Jan 16th
	F.BF.2	Arithmetic and geometric sequences	2.7.2 2.7.3	
	F.BF.3**	Graphical transformations on linear and exponential functions	2.6.2	
	F.IF.3	Recognize that sequences are functions	2.7.1	
	F.IF.4**	Interpret key features of a graph	2.2.1	
	F.IF.5	Relate the domain of a function to its graph	2.2.2	
	F.IF.6	Calculate and interpret average rate of change	2.2.2 2.2.3	
	F.IF.7	Graph functions and show key features	2.3.1 2.3.2	
	F.IF.9	Compare functions in different forms	2.4.1 2.4.2	
	A.REI.1	Reason with linear equations	3.1.1	
	A.REI.5	Reason with systems of linear equations	3.2.1	
	A.REI.6**	Solve systems of linear equations	3.2.2	
	A.REI.12	Graph linear inequalities and systems of linear inequalities	2.3.3 3.2.3	
	F.LE.1	Determine when to use a linear or exponential function	2.2.2 2.2.3	
	F.LE.2	Construct linear and exponential functions	2.5.2	
	F.LE.3	Understand that increasing exponential graphs and tables eventually exceed increasing linear graphs and tables	2.4.3	
	F.LE.5	Interpret parameters	2.8.1	
	G.GPE.5	Parallel and perpendicular lines	6.1.2	
G.GPE.7	Use coordinates to find perimeter and area of polygons	6.1.1 6.2.1		

** Standard modified, see standards for changes

Quarter 3				
January 19 th – March 27 th	S.ID.1	Dot plots, histograms, box plots	4.1.1	Grade Level Assessment: Mar 13 th – Mar 24 th
	S.ID.2	Compare two data sets using shape, center, and spread	4.1.2	
	S.ID.3**	Interpret differences in shapes, center, spread, and weighted average of a distribution	4.1.3 Weighted average not covered in Walch	
	S.ID.6	Scatter plots, including linear and exponential models	4.2.2 4.2.3 4.2.4	
	S.ID.7	Interpret slope and intercept of a linear model of data	4.3.1	
	S.ID.8	Correlation coefficient	4.3.2	
	S.ID.9	Distinguish between correlation and causation	4.3.3	
	G.CO.1	Geometry definitions	5.1.1	
	G.CO.2	Transformations as functions	5.1.2	
Quarter 4				
March 28 th – June 7 th	G.CO.3	Rotations and reflections	5.1.3	District FINAL: May 22 nd – June 2 nd
	G.CO.4	Develop definitions of rotations, reflections, and translations	5.2.1	
	G.CO.5	Draw and define sequences of transformations	5.2.2	
	G.CO.6	Understand congruence in terms of rigid motions	5.5.1 5.5.2	
	G.CO.7	Congruent triangles	5.6.1	
	G.CO.8	ASA, SAS, SSS	5.6.2	
	G.CO.12	Constructions	5.3.1 5.3.2 5.3.3	
	G.CO.13	Construct polygons in a circle	5.4.1 5.4.2 5.4.3	
	G.GPE.4	Use coordinates to prove simple geometric theorems algebraically	6.1.1	

** Standard modified, see standards for changes

Standards Removed			
	S.ID.5	Summarize, represent, and interpret data for two categories in two-way frequency tables	Moved to Secondary II

OPTIONAL ADDITIONAL TOPICS FROM Secondary II for Pre-teaching ONLY				
	APR.1	Operations on polynomials		
	F.IF.8	Factoring, completing the square and properties of exponents		
	A.SSE.3	Factoring and completing the square		
	A.CED.1	Create equations and inequalities and use them to solve problems		
	A.REI.4	Solve quadratic equations in one variable		