

Secondary I Honors 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 equation 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	Grade Level Assessment: Oct 17th – Oct 28th
	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	
	A.REI.10	Understanding that a graph of an equation is all the solutions	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	2.5.1		

		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	
	F.BF.2	Arithmetic and geometric sequences	2.7.2	
	F.IF.3	Recognize that sequences are functions	2.7.1	

** Standard modified, see standards for changes

Quarter 2				
November 1 st – January 18 th	F.BF.3**	Graphical transformations on linear and exponential functions	2.6.2	District Semester Assessment: Jan 4th – Jan 16th
	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	
	HONORS: N.VM.6	Use matrices to represent and manipulate data	3.3.2	
	HONORS: N.VM.7	Multiply matrices by a scalar to produce new matrices	3.3.1	
	HONORS: N.VM.8	Operations on matrices	3.3.1	
	HONORS: N.VM.9	Understand matrix multiplication	3.3.1	

	HONORS: N.VM.12	Work with 2 x 2 matrices	3.3.2	
	HONORS: N.VM.13	Solve systems of linear equations using matrices	3.3.2	

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Quarter 3				
January 19 th – March 27 th	S.ID.1	Dot plots, histograms, box plots	4.1.1	Grade Level Assessment: Mar 13th – Mar 24th
	S.ID.2	Compare two data sets using shape, center, and spread	4.1.2	
	S.ID.3**	Interpret differences in shapes, center, & spread, 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	Slope and intercept of linear models 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	
	G.CO.3	Rotations and reflections	5.1.3	
	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	

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Quarter 4				
March 28 th – June 7 th	G.CO.6	Understand congruence in terms of rigid motions	5.5.1	District FINAL: May 22nd – June 2nd
			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	
	HONORS: N.VM.1	Represent vector quantities	6.3.1	
	HONORS: N.VM.2	Find the components of a vector	6.3.1	
	HONORS: N.VM.3	Model with vectors	6.3.1	
HONORS: N.VM.4	Add and subtract vectors	6.3.2		
HONORS: N.VM.5	Multiply vectors by a scalar	6.3.2		
HONORS: N.VM.10	Determinants	6.3.3		
HONORS: N.VM.11	Multiply a vector by a matrix	6.3.3		

** 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	