IM 2 Proficiency Map (2023-2024)

Semester line

	Unit 1 Polynomial Operations and Factoring Ch. 1 18 Days Aug 7-Aug 30 *ESA 1*	**Unit 2** Quadratic Functions Ch. 2 & 3 19 Days Aug 31-Sep 27	**Unit 3** Quadratic Equations, Radicals, and Complex Numbers Ch. 1, 2, 3 28 Days Sep 28-Nov 6	**Unit 4** Modeling and Special Functions Ch. 4 18 Days Nov 7-Dec 8 *ESA 2*	**Unit 5** Parallel Lines and Special Angle Pairs Ch. 5 17 Days Jan 3-Jan 26	**Unit 6** Quadrilaterals Ch. 8 12 Days Jan 29-Feb 14	**Unit 7** Proof of Triangle Similarity and Cong. Ch. 6 & 9 14 Days Feb 15-Mar 6	**Unit 8** Right Triangles And Trig Ch. 10 12 Days Mar 7-22 *ESA 3*	**Unit 9** Circles Ch. 11 10 Days Apr 2-Apr 15	**Unit 10** Volumes Ch. 12 10 Days Apr 16-Apr 29	**Unit 11** Probability and Statistics Ch. 13 9 Days Apr 30-May 10
N-RN The Real Number System			N.RN.1 Def of Rational Exp N.RN.2 Rewrite Expressions								
N-CN Complex Number System			N.CN.1 Complex Number i and a+bi N.CN.2 i^2=-1 N.CN.7 Quadratic Equations with Complex Numbers N.CN.8 Polynomial idents for complex N.CN.9(+) Fund Thm of Alg for Quadratics								
A-SSE Seeing Structure in Expressions	A.SSE.1a ***A.SSE.1b** *Interpret structure of expressions* ***A.SSE.2 Rewrite expressions**	**A.SSE.3a** **A.SSE.3b Factor and comp sqr to solve problems with quad fns**	**A.SSE.3 Create equiv forms of quad expressions** **A.SSE.3c Write expressions equiv forms w/ props of exps**	*A.SSE.1b Interpret structure of expressions ***A.SSE.2 Rewrite expressions**							

Key: Standards that are addressed in more than one unit are denoted with *
Essential standards are **bold and underlined**
"Important-to-know" standards have no formatting
"Nice-to-know" standards are *italicized*

Revised December 2023

IM 2 Proficiency Map (2023-2024)

A-APR Arithmetic with Polynomials & Rational Expressions	**A.APR.1 Arithmetic on polynomials**										
A-CED Creating Equations			A.CED.4 Rearrange formulas	*A.CED.1* **A.CED.2 Create equations that describe numbers or relationships**							
A-REI Reasoning with Equations & Inequalities			**A.REI.4, A.REI.4a A.REI.4b Solve Quadratic equations** A.REI.7 Solve systems of equations								
F-IF Interpreting Functions		**F.IF.4 Key features of functions** F.IF.5 Domain **F.IF.6 AROC** **F.IF.7 F.IF.7a Graph functions and show key features** F.IF.8a Equivalent forms of expressions **F.IF.9 Compare functions represented in different way**	*F.IF.8b Equivalent forms of expressions*	**F.IF.7b Graph functions and show key features**							

Key: Standards that are addressed in more than one unit are denoted with *
Essential standards are **bold and underlined**
"Important-to-know" standards have no formatting
"Nice-to-know" standards are *italicized*

Revised December 2023

IM 2 Proficiency Map (2023-2024)

F-BF Building Functions		*F.BF.3 Function transformations		**F.BF.1a** **F.BF.1b** **Write a function** *F.BF.3 Function transformations *F.BF.4 Find inverse functions*							
F-LE Linear, Quadratic, & Exponential Models		F.LE.3 Exponentials win *F.LE.6 Linear, quadratic, exp models	*F.LE.6 Linear, quadratic, exp models								
F-TF Trigonometric Functions								F.TF.8 Pythagorean Identity			
G-CO Congruence					G.CO.9 Thms about lines and angles	G.CO.11 Thms about parallelograms	G.CO.10 Thms about triangles				
G-SRT Similarity, Right Triangles & Trigonometry							G.SRT.1a G.SRT.1b G.SRT.2 G.SRT.3 Similarity transformations G.SRT.4 G.SRT.5 Problems with congruence and similarity *G.SRT.6 Side ratios in triangles*	**G.SRT.7 Sine, cos of complementary angles** **G.SRT.8 Solve right triangles** *G.SRT.8.1 CA Special right triangle ratios*			
G-C Circles								*G.C.5 Degrees and radians	*G.C.1* G.C.2 G.C.3 G.C.4(+) Thms about circles *G.C.5 Degrees and radians		

Key: Standards that are addressed in more than one unit are denoted with *
Essential standards are **bold and underlined**
"Important-to-know" standards have no formatting
"Nice-to-know" standards are *italicized*

Revised December 2023

IM 2 Proficiency Map (2023-2024)

G- GPE Expressing Geometric quantities with equations		*G-GPE.2 Parabola eq with focus and directrix*				*G.GPE.4 Prove geo thms algebraically	*G.GPE.4 G.GPE.6 Prove geo thms algebraically*		G.GPE.1 Eq. of circle with center, rad with P.T. *G.GPE.2 Parabola w/ focus, directrix*		
G-GMD Measurement & Dimension										G.GMD.1 Circle formulas G.GMD.3 Volume formulas *G. GMD.5 CA Scale factor effects* *G.GMD.6 CA angles opp sides*	
S-CP Conditional Probability & the Rules of Probability											S.CP.1 S.CP.2 S.CP.3 S.CP.4 S.CP.5 Independence & cond. Prob. S.CP.6 S.CP.7 S.CP.8(+) S.CP.9(+) Probs of compound events
S-MD Using Probability to Make Decisions											S.MD.6(+) S.MD.7(+) Apply probability

Key: Standards that are addressed in more than one unit are denoted with *
Essential standards are **bold and underlined**
"Important-to-know" standards have no formatting
"Nice-to-know" standards are *italicized*

Revised December 2023