

MDTP Topic Progressions Towards College Readiness

MDTP Topics	Middle School Topics			High School Topics						
	Assessment of Preparedness for 6th Grade Mathematics	Assessment of Preparedness for 7th Grade Mathematics	Assessment of Preparedness for 8th Grade Mathematics	Algebra 1/Int Math 1 Readiness	Integrated Second Year Readiness	Integrated Third Year Readiness	Geometry Readiness	Second Year Algebra Readiness	Pre-Calculus Readiness	Calculus Readiness
Decimals & Percents (DECM)	DECM 4.NF.2; 4.NF.7; 5.NBT.3; 5.NBT.7	DECM 5.NF.2; 6.RP.3; 6.NS.7; 7.RP.3	DECM 5.NF.1; 6.RP.3; 6.NS.6; 6.NS.7; 7.RP.3	DECM 6.NS.6C; 6.NS.2; 7.NS.1C; 6.RP.3C; 7.NS.3	RATL 6.EE.2C; 7.RP.3; A.REI.2; A.APR.7	RATL 7.RP.3, 6.EE.2C, A.CED.3, A.SEE.2	RATL 7.EE.3; 7.RP.3; A.SSE.2; A.REI.2	RATL 6.EE.2C; 7.RP.3; A.CED.3; A.APR.6	RATL A.REI.2; A.REI.6	RATL A.APR.6; A.REI.2; F.IF.7D
Fractions (FRAC)	FRAC 4.OA.3; 4.NF.1; 5.NF.1; 5.NF.2; 5.NF.3; 5.NF.4; 5.NF.7	FRAC 3.NF.1; 5.NF.1; 6.NS.1; 6.NS.6; 6.NS.7	FRAC 5.NF.1; 6.NS.7; 7.NS.1; 7.NS.2	FRAC 6.NS.6C; 7.NS.1D; 7.RP.3; 6.NS.7; 7.NS.10; 7.RP.2B						
Rational Expressions & Graphs (RATL)										
Integers (INTG)	INTG 4.OA.4; 4.NBT.4; 4.NBT.5; 5.NBT.5; 5.NBT.6; 5.NBT.7; 5.OA.2; 5.OA.1	INTG 4.OA.3; 5.NBT.5; 5.OA.2; 6.EE.1; 6.NS.5; 6.NS.7	INTG 5.OA.2; 6.EE.1; 6.NS.7; 7.EE.1; 7.NS.1; 7.NS.2	INTG 5.OA.2.1; 7.NS.1C; 7.NS.2B; 7.NS.1A	LINR 6.EE.2; 6.EE.3; 7.EE.4A; 8.EE.7B; 8.EE.8B; A.CED.1; F.IF.4; F.IF.7A; F.BF.3; A.REI.3; A.REI.6; A.REI.12	LINR A.REI.3; A.REI.3.1; A.REI.6; A.REI.12; A.CED.1; A.CED.2; A.CED.4; F.IF.4	LINR 6.EE.2; 7.EE.4A; 8.EE.7B; A.REI.3; A.REI.6; A.REI.12; F.IF.4; F.LE.7E	LINR A.CED.1; A.CED.2; A.CED.3; A.REI.3; A.REI.6; A.REI.12	LINR A.CED.4; A.REI.3.1; A.REI.6; G.GPE.5; G.GPE.7	LINR Absolute Value 7.RP.3; A.REI.3; A.REI.3.1; A.REI.5; A.CED.3
Patterns & Sequences (PSEQ)	PSEQ 5.OA.3; 5.MD.1; 5.NBT.2	PROP 5.MD.1; 6.RP.2; 6.RP.3	PROP 7.EE.3; 7.RP.2; 7.RP.3; 7.G.1	LINR 7.EE.4; 7.EE.4B; 7.EE.1; 6.EE.2; 6.EE.3; 8.EE.7B; 8.EE.8B						
Expressions & Equations (EXEQ)	EXEQ 5.OA.2	EXEQ 6.EE.2; 6.EE.3; 6.EE.6; 6.NS.7	EXEQ 6.EE.2; 6.EE.3; 7.NS.1; 7.NS.3; 7.EE.4							
Proportional Reasoning (PROP)										
Linear Equations & Inequalities & Graphs; Absolute Value (LINR)										
Functions & their Graphs (FNCT)				FNCT 8.F.1; 8.F.2; 8.EE.5	FNCT 8.EE.5; F.IF.2; F.IF.7A; F.BF.2; F.BF.3; F.LE.1; F.LE.2; F.LE.3	FNCT F.BF.3; F.BF.1A; F.BF.3; F.BF.4; F.BF.5; F.IF.4; F.IF.7A; F.IF.6	FNCT 8.EE.5; FIF.2; FIF.7A; F.LE.1C; F.LE.3; F.BF.3	FNCT 8.F.4; F.IF.1; F.IF.4; F.LE.1; F.LE.3; F.BF.2; F.BF.3	FNCT F.IF.2; F.TF.3; F.IF.4; F.IF.7C; F.IF.7D; F.IF.9; F.LE.3; F.BF.3; F.BF.5; F.IF.8B	FNCT F.IF.7E; F.LE.2; F.LE.4.2; F.LE.4.3 G.SRT.8; G.SRT.8.1; F.TF. 3; F.TF.5; F.TF.7; FTF.7E

Note: Each MDTP Topic is further delineated into sub-topics and specific areas of math focus along the CA Mathematics Framework and Mathematical Progressions

MDTP Topics	Middle School Topics			High School to Beginning College Topics						
	Assessment of Preparedness for 6th Grade Mathematics	Assessment of Preparedness for 7th Grade Mathematics	Assessment of Preparedness for 8th Grade Mathematics	Algebra 1/Int Math 1 Readiness	Integrated Second Year Readiness	Integrated Third Year Readiness	Geometry Readiness	Second Year Algebra Readiness	Pre-Calculus Readiness	Calculus Readiness
Geometry & Measurement & Coordinate Geometry (GEOM) Trigonometry & Graphs (TRIG)	GEOM 4.MD.2; 5.MD.3; 5.MD.5; 5.OA.3; 6.G.2	GEOM 4.MD.3; 5.MD.5; 6.G.1; 6.EE.8; 6.NS.6; 6.NS.8	GEOM 4.MD.3; 6.NS.6; 7.G.4; 7.G.5; 7.G.6; 7.NS.1	GEOM 6.G.3; 6.NS.6C; 7.G.4; 7.G.6;; 7.NS.1C; 8.G.3; 8.G.4	GEOM 7.G.2; 7.G.6; 8.G.3; 8.G.5; 8.G.6; 8.G.7; 8.G.8; 8.G.9; G.GMD.1; G.GMD.3	GEOM & TRIG 8.G.4; G.SRT.8; G.CO.5; G.GPE.1	GEOM 5.G.4; 6.G.1; 7.G.1; 7.G.6; 8.G.3; 8.G.5; 8.G.7	GEOM & TRIG 8.G.4; G.CO.5; G.GPE.1; G.SRT.5; G.SRT.8; G.SRT.8.1; G.C.5	GEOM & TRIG 8.G.8; A.CED.2; G.SRT.5; G.SRT.8; G.GMD.1; G.GMD.6; F.TF.2	GEOM 7.G.6; 8.G.8; G.SRT.5; G.SRT.6; G.SRT.8.1 TRIG G.SRT.7; G.SRT.8.1; F.IF.7E; F.TF.2.1; F.TF.2.1; F.TF.5; F.TF.7
Data Analysis & Statistics (DAST) Data Analysis & Probability & Statistics (DAPS)		DAST 6.SP.4; 6.SP.5	DAPS 3.MD.3; 6.SP.3; 6.SP.5; 7.SP.7	DAPS 6.SP.5C; 7.SP.8; 8.SP.1; 8.SP.4	DAPS 7.SP.8A; A.CED.1; S.ID.3; S.ID.6	DAPS S.ID.3; S.ID.7; S.CP.1; S.CP.4	DAPS 6.SP.5C; 7.SP.8A; S.ID.3; S.ID.6C	DAPS S.CP.1; S.CP.4; S.ID.3; S.ID.5; S.CP.4		
Exp & Roots (EXPS or EXPR) Exp & Radicals & Logs (EXLR) Log & Exp Functions (LOGX)				EXPS 6.EE.1; 8.EE.2; 8.NS.2; 8.EE.2	EXPS 8.NS.2; 8.EE.1; 8.EE.3; 8.EE.4; A.SSE.3; A.SSE.3C	EXPS 8.NS.2; N.RN.2; A.SSE.1; A.SSE.2; A.SSE.3; F.LE.1C	EXPS 8.NS.1; 8.EE.1; 8.EE.2; 8.EE.4	EXPS 8.NS.2; 8.EE.4; A.SSE.2. A.SSE.3; N.RN.2; F.LE.1C	EXLR N.RN.2; A.SSE.3C; F.LE.4.2; F.LE.4.3	EXPR A.SSE.2; A.REI.2; N.RN.2; F.BF.2 LOGX F.IF.7E; F.LE.4; F.LE.4.3; F.TF.7; A.REI.11;
Polynomials & Quadratic Equations & Graphs (POLQ)						POLQ A.APR.1; A.REI.4B; A.REI.7; N.CN.2; ASSE.3A; A.SSE.3B	POLQ A.APR.1; A.SSE.2A; A.SSE.3A; A.SSE3B; A.REI.4B	POLQ A.CED.1; A.CED.4; A.APR.1; A.REI.3; A.REI.7; A.SSE.3A; A.SSE.3B; F.IF.8A	POLQ A.APR.3; A.APR.6; A.SSE.2; A.SSE.3B; A.REI.3; G.GPE.1; N.CN.7; F.LE.6	POLQ A.CED.1; A.REI.4B; A.SSE.2; A.APE.2; F.IF.8A

Note: Each MDTP Topic is further delineated into sub-topics and specific areas of math focus along the CA Mathematics Framework and Mathematical Progressions

This document has been prepared as a supportive tool to MDTP copyrighted materials and should not be modified without the consent of the MDTP Director's Office.