

Course Calendar for **ALGEBRA 1** (MES21)
2018-19 School Year

Teachers: Colon, O’Looney, DeMichele

Textbook: HMH Algebra 1

Week Beginning Monday...	Topic	Textbook Sections
Sept 3 x M, T	Norming, 8th grade review lessons	
Sept 10 x M, T	Baseline, Definitions of polynomials and like terms, Polynomial operations - adding and subtracting <ul style="list-style-type: none"> • PEMDAS, Calculator operations 	Module: 17.1, 17.2, 17.3 Pages: 631 - 660
Sept 17 x W	Polynomial operations (all) - multiplying and dividing Assessment, use for student tutoring placement	Module: 18.1, 18.2, 18.3 Pages: 661 - 692
Sept 24	Solving equations - all kinds	Module: 1.1, 2.1, 2.2, 2.3, 2.4, 2.5 Pages 5 - 10 Pages: 37 - 82
Oct 1	Solving equations / single variable inequalities	
Oct 8 x M	Single variable inequalities	
Oct 15	Modeling equations and inequalities	Module: 1.2, 2.1, 2.2 Pages: 37 - 54
Oct 22	Modeling real world problems Literal equations <ul style="list-style-type: none"> • Word problems – equations and inequalities – solving for y – transforming linear functions? 	Module: 2.3 Pages: 55 - 60

Oct 29	Equations with two variables Systems of equations <ul style="list-style-type: none"> • Graphing Lines 	Module: 6.1, 6.2, 6.3 Pages: 195- 220
Nov 5 x T	Systems of equations	Module: 11.1, 11.2, 11.3 , 11.4, 12.1 Pages: 387 - 440
Nov 12 x M	Systems of equations	
Nov 19 x R,F	Review of systems / Assessment	
Nov 26	Graphing two variable inequalities <ul style="list-style-type: none"> • Same? – emphasize dotted vs solid 	Module: 7.3 Pages: 259 - 272
Dec 3	System of inequalities <ul style="list-style-type: none"> • Modeling - real life problems 	Module: 12.2, 12.3 Pages: 441 - 458
Dec 10	Functions, vocabulary, evaluating, Domain and Range <ul style="list-style-type: none"> • Restricted domain – interpretation of functions 	Module: 3.1, 3.2, 3.3, 3.4 Pages: 83 - 124
Dec 17	Intro to exponential functions / Assessment <ul style="list-style-type: none"> • Compare linear and exponential 	Module: 16.1 Pages: 579 - 586
Dec 24	Winter Recess	
Dec 31 x M, T	Exponential functions <ul style="list-style-type: none"> • Exp growth/decay – regression(?) – compare linear to exponential 	Module: 16.2 , 16.3, 16.4 Pages: 587 - 623
Jan 7	Average Rate of Change <ul style="list-style-type: none"> • Sequences 	Module: 5.3 Pages: 179 - 192
Jan 14	Review / Final Exams	
Jan 21 x M	Regents Exams	

Jan 28 x M	Review regents exam questions <ul style="list-style-type: none"> • Absolute Value graphs/functions 	
Feb 4 x T	Piecewise functions Step functions <ul style="list-style-type: none"> • Transformations? Graphing Stories? 	Module: 13.1 Pages: 461 - 470
Feb 11	Graphing stories - project	
Feb 18	Midwinter Recess	
Feb 25	Intro to Quadratics - graphing <ul style="list-style-type: none"> • Transformations 	Module: 19.1 Pages: 697 - 708
Mar 4	Factoring - all kinds	Module: 21.1, 21.2, 21.3, 22.1, 22.2
Mar 11	Solving quadratics - zero product property and square root method <ul style="list-style-type: none"> • Radical operations, rationalizing denominators 	Pages: 771 - 834
Mar 18	Solving quadratics - factoring and completing the square	
Mar 25	Solving quadratics - quadratic formula <ul style="list-style-type: none"> • Modeling quadratics - word problems 	Module: 22.3 Pages: 827 - 834
Apr 1	Quadratic buffer	Module 22.4 Pages: 835 - 844
Apr 8	Modeling of real life problems <ul style="list-style-type: none"> • same? 	Module: 23.1 Pages: 859 - 870
Apr 15 x F	Review / project / assessment	
Apr 22	Spring Recess	
Apr 29	Intro to Stats <ul style="list-style-type: none"> • Statistics 	Module: 8.1, 8.2, 9.1, 9.2, 9.3, 9.4
May 6	Standard Deviation / Two Vars data <ul style="list-style-type: none"> • Statistics 	Pages: 277 - 348

May 13	All Two Vars <ul style="list-style-type: none"> • Statistics 	
May 20	Regents Review <ul style="list-style-type: none"> • Statistics 	
May 27 x M	Regents review	
June 3 x M (Global Regents), x T, R	Regents review	
June 10	Regents review / Final Exam	
June 17	Algebra Regents June 19th, 1:15 PM	

NOTE: Parallel topics in the Problem Solving course are in **Blue**.