



Unit 3 (Chapters 4 & 9): CONIC FUNCTIONS

I am not perfect; the syllabus can be modified at any time. Live in fear...

[LINK TO EXTRA PRACTICE PROBLEMS GOOGLE DOC](#)

DAY	IN CLASS	AIM	SECTION	VIDEO 2 WATCH
Fri. 10/6	Unit 2 Test			Complete Design Thinking Google Form
Mon. 10/9	PBL – Entry Event	1	9.1	<i>Apply the Distance and Midpoint Formulas</i>
Tues. 10/10	Interview Questions	2	4.7	<i>Complete the Square</i>
Wed. 10/11	PSAT Testing ONLY 4 - 6 periods meet			
Thurs. 10/12	CTS Activity	3	4.10	<i>Write Quadratic Functions and Models</i> Interview Questions Due
Fri. 10/13	Quad Fens Activity			•Study for QUIZ
Mon. 10/16	☞Unit 3 QUIZ A			
Tues. 10/17	PBL Work Day for Layout (Use Interview Responses)	4	9.2	<i>Graph and Write Equations of Parabolas (Day 1)</i> Interview Recording Due
Wed. 10/18	Parabolas Practice	5	9.2	<i>Graph and Write Equations of Parabolas (Day 2)</i> Rough Layout Due
Thurs. 10/19	Parabolas → PBL			
Fri. 10/20	PBL Work Day on Equations	6	9.3	<i>Graph and Write Equations of Circles</i> Updated Layout w/ Parabolas Due
Mon. 10/23	Circles → PBL			
Tues. 10/24	Critical Friends			•Study for QUIZ
Wed. 10/25	☞Unit 3 QUIZ B	7	9.4	<i>Graph and Write Equations of Ellipses (Day 1)</i> Updated Layout w/ Circles Due
Thurs. 10/26	Ellipses Practice	8	9.4	<i>Graph and Write Equations of Ellipses (Day 2)</i>

Fri. 10/27	Ellipses →PBL			
Mon. 10/30	PBL – Work Day on Equations	9	9.6 & 9.7	<i>Classifying Conic Sections and Systems of Conics</i> Updated Layout w/ Ellipses Due
Tues. 10/31	Systems →PBL			
Wed. 11/1	Is This Conical? How to Present to Your Audience?			
Thurs. 11/2	CF Practice Mini Presentation			Equations Due
Fri. 11/3	PBL Work Day			<i>PBL Elementary Presentation After School</i>
Mon. 11/6	Unit 3 QUIZ C			Reflection

Unit 3: Conic Sections	Section in Textbook	Rate Post
I can find the length and midpoint of a line segment.	9.1	
I can solve quadratic equation by completing the square.	4.7	
I can write quadratic functions in vertex, intercept, and standard form.	4.10	
I can find a quadratic regression model.	4.10	
I can graph and write equations of parabolas that open left or right.	9.2	
I can graph and write equations of circles.	9.3	
I can graph and write equations of ellipses.	9.4	
I can translate away from the origin, ALL conic sections (parabola, circle, and ellipses).	9.6 & Worksheets	
I can solve quadratic (conic) systems.	9.7	
I can state the restricted domain for any conic section (parabola, circle, and ellipse)	9.7	