

		1st Six Weeks		2nd Six Weeks		3rd Six Weeks		4th Six Weeks		5th Six Weeks		6th Six Weeks		
		7 days	16 days	7 days	11 days	4 days	9 days	7 days	5 days	2 days	8 days	2 days		
Essential Units of Study		01 Foundation for Algebra II	03 Quadratics	04 Poly-nomials	05 nth Root Functions and Rational Exponents	02 Absolute Value Functions	06 Logs and Exponents	07 Rational Expressions and Equations	08 Graphing Rational Functions	09 Applications of Rational Functions	10 Systems	11 Data Analysis		
Algebra 2 Content Topics	Overview of transformations of squiggle functions, Domain and Range interval/set/inequality Functional notation Solve linear equation. Basic of graphing linear GCF Systems (PSAT timing) literal equations (no composition of functions)	Write functions using key attributes, standard to vertex form, use completing the square, determine and write domain and range. Use graphing, factoring, square roots, completing the square and quadratic formula to solve quadratic equations and inequalities; Add, subtract and multiply complex numbers. Use technology to convert a table to equation, Use regression methods to write equation from data, predict, make decisions, and critical judgements from data using quadratic models	CBA Test 1 (October 25 - 30, 2018) [EUS 1 & 3]	Multiply, divide, and simplify monomials. Add, subtract, multiply polynomials. Use synthetic and long division. Determine linear and quadratic factors of a polynomial including factoring by grouping and the sum/difference of two cubes. Graph cube functions and their transformations identifying domain and range.	Compositions of functions to determine if functions are inverses. Graph square and cube root functions and inequalities determining the effect of transformations. Solve square and cube root equations. Identify extraneous solutions. Rewrite radical expressions that contain variables to equivalent forms. Solve equations involving rational exponents.	DA Fall Final (Dec 18 - 21, 2018) [EUS 1, 3-5]	Determine and write domain and range, graphing and applying transformations, creating and solving equations and inequalities, graph absolute value inequalities	Key attributes, transformations, solving, rewrite exponential equations as their corresponding log equations & vice versa, determine reasonableness of solutions	Solve rational equations that have real solutions, determine the sum, difference, product and quotient of rational expressions, determine the reasonableness of solutions	Key attributes, determine asymptotic restrictions, domain and range, transformations	Formulate rational equations that model real-world situations Formulate and solve equations involving inverse variation	Formulate & solve systems of 3x3 linear, solve systems of a linear & a quadratic, solve systems of two or more linear inequalities, determine reasonableness of solutions, determine possible solutions for inequalities	Predict and make decisions from a given set of data, analyze and select appropriate models, use regression to write equations	
	Readiness TEKS	2A.2C		2A.4B 2A.8C	2A.7E		2A.2AC 2A.4CF 2A.7H	2A.2A 2A.6E	2A.2AC 2A.5AD 2A.8C	2A.7F 2A.6I		2A.6L	2A.3AB	2A.8C
	Supporting TEKS	2A.7I		2A.4ADEFH 2A.7AI 2A.8B	2A.6AB 2A.7BCD		2A.2B 2A.4EG 2A.7G	2A.6CDF 2A.7I	2A.5BCE 2A.7I 2A.8B	2A.6J	2A.2A 2A.6GK 2A.7I	2A.6H	2A.3CDE 2A.3FG	2A.8AB
	McGraw Hill Resources	1-5, p.40, 2-1, 2-6, 2-7		4-1 to 4-8 and p. 239	5-1, 5-2, 5-3		6-2 to 6-7	1-4, 1-6, 2-6, 2-7, 2-8	7-1, 7-2, 7-3, 7-5, pg 713, 10-5	8-1, 8-2, 8-6	8-3, 8-4, p.561	8-5, 8-6	3-1, 3-2, p. 153, 3-4, 9-7	2-5, 4-1, p. 462

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	Supporting TEKS	2A.7I		2A.4ADEFH 2A.7AI 2A.8B	2A.6AB 2A.7BCD		2A.2B 2A.4EG 2A.7G	2A.6CDF 2A.7I	2A.5BCE 2A.7I 2A.8B	2A.6J	2A.2A 2A.6GK 2A.7I	2A.6H	2A.3CDE 2A.3FG	2A.8AB		
	McGraw Hill Resources	1-5, p.40, 2-1, 2-6, 2-7		4-1 to 4-8 and p. 239	5-1, 5-2, 5-3		6-2 to 6-7	1-4, 1-6, 2-6, 2-7, 2-8	7-1, 7-2, 7-3, 7-5, pg 713, 10-5	8-1, 8-2, 8-6	8-3, 8-4, p.561	8-5, 8-6	3-1, 3-2, p. 153, 3-4, 9-7	2-5, 4-1, p. 462		