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A POSSIBLE "TRADITIONAL" PATHWAY (to be included in the C4 Framework)				
Geometry Algebra I & Algebra 2	"Algebra 1" (Geometric on Honor, quadratic, and exponential functions)	"Geometry"	"Algebra 2" (deces is on higher degree polynomial, despise rational, begarithmir, and sinusoidal functions)	
Number & Quantity:	 Extend properties of exponents to rational suponents Use properties of rational & irrational numbers Reason quantitatively & use units to solve problems 		 Perform arithmetic operations with complex numbers Use complex numbers in polynomial identifies & equations 	
<u>Alzebra:</u>	 Interpret the structure of segrentions Write expressions in equivalent forms to solve problem. Perform arithmetic operations on polynomials Create equations that describe numbers or nelationships Understand solving equations as a process of reasoning & explain, the nearcoing Solve equations is inoperatives in one variable Solve equations of equations Represent & noive equations and inequalities graphically 		 Interpret the structure of expressions. Write expressions in equivalent forms to solve problems Parform arithmetic spatiations on polynomials. Understand the relationship between zeros & factors of polynomials. Use polynomial identities to solve problems. Reserve rational expressions. Create equations that describe numbers or relationships. Inderstand solving equations as a process of researcing & explain, the reasoning. Represent & solve equations and inequalities graphically. 	
Functions:	 Understand the concept of function & use function metation Interpret functions that arise in applications in terms of the context Analyze functions that models a relationship between two quantifies Ruild a functions that models a relationship between two quantifies Ruild a functions from sensing functions Construct A compare linear, quadratic, A exponential medels to index problems Interpret expressions for functions in terms of the situation they model Apply quadratic equations to physical problems 		Interpret functions that arise in applications in terms of the knisted Analyze functions using different representations Real a functions that models a relationship between two quantities Ruld new functions from existing functions Real new functions from existing functions Rule new functions from existing functions Rule new functions from existing functions Real new functions from existing functions Real new functions Nodel periodic phenomena with trigonometric functions Prove & apply trig identifies	
Geometry:		 Experiment with transformations in the plane Understand congruence in terms of rigid motions Prove geometric thereests & be able to use them. Make geometric constructions Understand similarity in terms of transformations Prove theorems involving similarity Define trigonometric raties & subre problems involving tagle triangles Understand & apply theorems about circles (define radian measure & convert between degrees & radiants) Transfers between the geometric fractions & the squation for a length & anno of sectors of circles (define radian measure & convert between degrees & radiants) Transfers between the geometric fractions (define radian measure & convert between degrees & radiants) Transfers between the geometric fractions (define radian measure & convert between degrees & radiants) Transfers between the geometric fractions (define radian measure & convert between the geometric fractions of a length of the second place & the squation for a length science formulas & use them to solve problems Visualize athenoistips between 2D & 3D objects. Determine how changes in dimension affect perimetes, area, & volume Apply geometric concepts in medeling situations 	 Translate between the geometric description A the repart in for a could section (Carlies, parabolise, ellipser) 	
Statistics & Probability:	 Summation, represent & interpret data on a single count or measurement variable (compare center & speed, account for effects of outliers) Summation, represent & interpret data on two categorical & quantitative variables (inter, quadratic & supconstill models) Interpret linear models (compute correlation coefficient of linear fit, distinguish between correlation & causation) 	 Understand independence & conditional probability & use them to interpret data Use subse of probability to compute probabilities of compound events in a uniform probability model. Bas probability to evaluate concomer of declators 	 Summation, represent A interpret data on a single docation increasement variable (mean A standard deviation of a data set to fit a normal distribution) Understand A svaluate random processes underlying statistical superiments. Make inferences A justify conclusions from sample surveys, experiments. Bas probability to evaluate the curcomes of doctations. 	

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	A POSSIBLE "INTEGRATED" PATHWAY (to be included in the CA Framework)					
Maria Marke, 2,7 Maria Marke, 20 Maria Marke, 20 Maria Marke, 20	Medel Math 1 (Fecus is an linear & exponential functions)	Model Math 2 (Focus is on quadratic functions)	Model Math 3 (Forus is on higher degree polynomial, sinussidal, simple rational, and legarithmic functions)			
Number & Quantity:	 Reason quantizatively & use units to solve problems 	Extend properties of exponents to rational exponents Use properties of rational & irrational numbers Perform arithmetic operations with complex numbers Use complex numbers is polynomial identifies & equations	 Cas complex sumbries in polynomial identifies A opacious 			
Aleshra:	 Interpret the structure of expressions Create equations that describe numbers or relationships Understand solving equations as a process of reasoning Solve equations it insulations revealed to particular the reasoning of the second secon	 Interpret the structure of expression. Write expressions is equivalent forms to solve problems Perform arithmetic operations on polyhomials Craste equations that describe numbers or relationships Solve repartions is concentrate in over variable (including these solves) Solve repartions to approximate 	 Interpret the structure of expressions We to expressions in equivalent forms to noise problems Understand the relationship between zeros. A denote of polynomials Use polynomial identities to relve problems Rewrite rational expressions Create equations that describe surfaces of relationships Understand solving equations as a process of second of a spin the meaning. Regresses is entry equations and inequalities graphically 			
Functions:	 Understand the concept of function & use function notation Interpret Superiors that arise in applications in between of the context Analyze functions using different representations Ruild a function that models a relationship between two quantities (integer lengts) Ruild new functions flow existing functions Construct & compare lines, models of subtract, di experimentation for functions in terms of the situation they model 	 Interpret functions that arise in applications in terms of the solitest Analyze functions using different representations Build a functions that models a relationship between two quantities Build new functions to existing functions Construct & compare linear, quadratic, & supported to solve problems Apply quadratic equations to physical problems Prove & apply trig identifies (sin T + qua T - 1) 	 Interpret functions that arise in applications in terms of the cosmol Analyse functions using different representations build a function that models a relationship between two quarties (Composition of functions & Inverse functions) Build new functions from existing functions Construct & compare linear, quadratic, & supersential-models to solve problems Extend the domain of trigonometric functions using the unit circle (define radian measure & convert between degrees & radiant) Model periodic planements with trigonometric functions 			
Geometry:	 Experiment with transformations in the plana Understand congruence is terms of sigid motions Make geometric constructions Interconstructions Interconstructions 	 Prove geometric theorems & he able to use Georgi'erical angle theorem, theorems about angles on parallel lines, triangle sam theorem, insteades triangle theorem, midsegment theorem, triangle inequality theorem, theorems about parallelograms). Understand similarity in terms of transformations. Prove theorems involving similarity. Define trigonometric ratios & notice problems involving right strongles. Condenstand & apply theorems about circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find are length & area of sectors of circles. Find area of sectors of c	 Visualize relationships between 2D & 3D objects & identify 3 D objects generated by rotation of 2D objects. Apply geometric concepts in modeling situations. Frankte between the geometric description & the equation for a nonic rectant (civiler, parabolar, viligens). Apply trigonometry to general triangles. 			
Statistics & Probability:	 Statumatize, represent & interpret data on a single count or measurement variable (compare center & spread, account for effects of earliers) Summatize, represent & interpret data on two categorical & quantitative variables (linear, quadratic & exponential models) Interpret linear models (compute comelation certificient of linear fit, distinguish between certificient & causation) 	 Understand independence & conditional probability & use them to interpret data Use raise of probability to compute probabilities of compound events in a uniform probability model. Car probability to evaluate contorner of decisions 	 Summarize, represent & interpret data on a single count of measurement variable (mean & standard deviation of a data sin to fit a second distribution). Understand & evaluate random processes underlying statistical experiments. Make inferences & justify conclusions from sample surveys, experiments, & observational studies. Use probability to evaluate the outcomes of decisions. 			

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