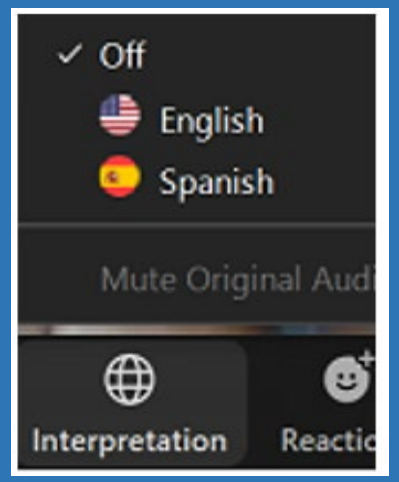
Spring Branch Independent School District

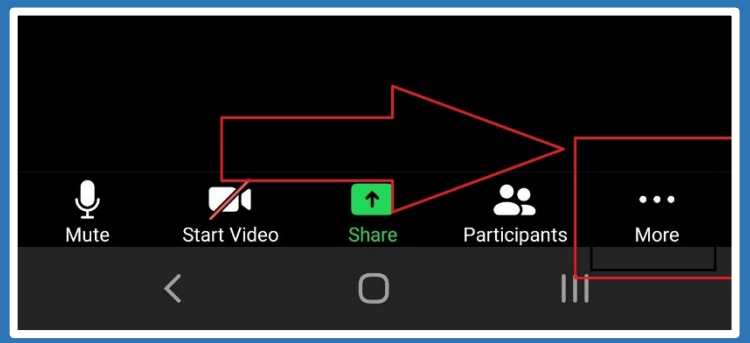
Middle School Math

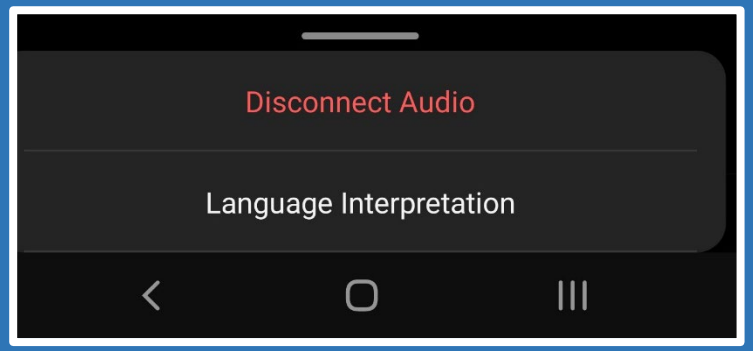
Interpretación Disponible

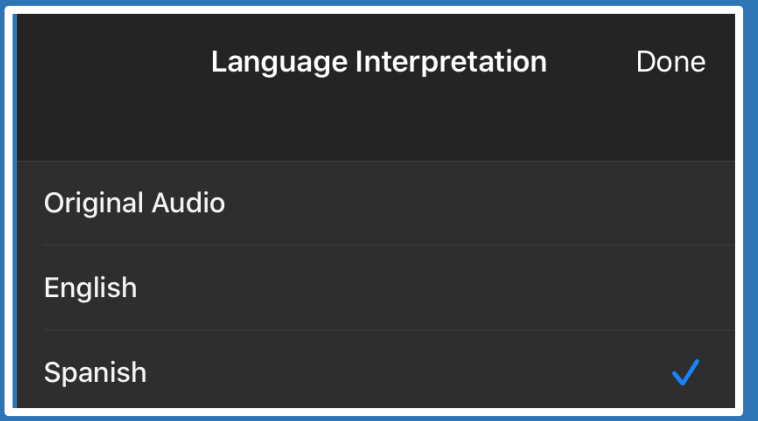
Web



Android / iPhone







Math Course Sequences

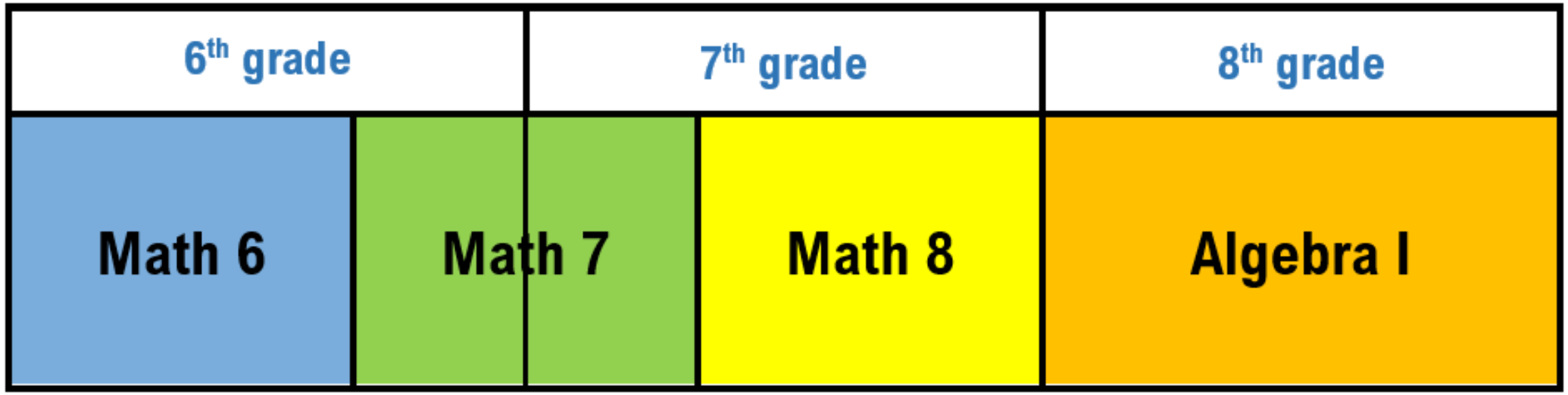
6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Option 1 – Grade Level Math						
6th Math	7th Math	8th Math	Algebra I	Geometry	Algebra II	Adv. Math
Option 2 - One Year Acceleration						
6th AAC/GT	7th AAC/GT	Algebra I	Geometry	Algebra II	Pre-Calculus	AP Calculus
Option 3 - Two Year Acceleration						
7th AAC/GT	Algebra I	Geometry	Algebra II	AP Statistics	Pre-Calculus	AP Calculus

Middle School Math Curriculum – Option 1 sequence

6th grade	7th grade	8th grade

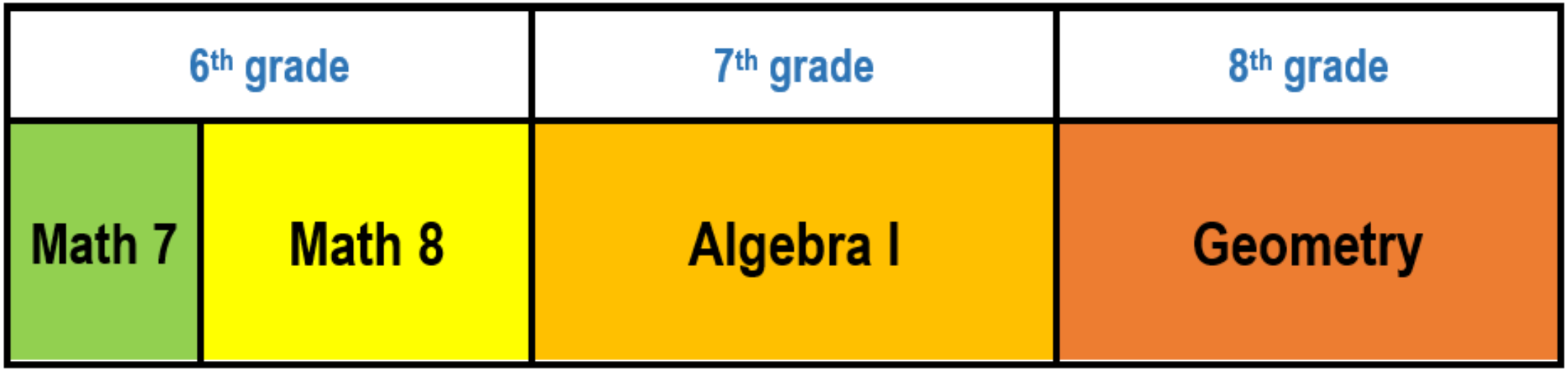
Rational Number Relationships
• Classify, Sets & Subsets
• Compare & Order
• Generate Equivalent Forms between frac/dec/percents
• +, -, ×, ÷Integers
• ×, ÷ Fractions/Decimals
Linear Relationships
• Ratios, Rates & Proportions
  – Percents as Ratios
• Generate & Simplify Expressions
• Generate & Solve Equations & Inequalities
Geometry
• Triangle relationships
• Area of Triangle/Quadrilaterals
• Volume of Rectangular Prisms
Represent & Describe Data
• Dot & Box Plots, Stem & Leaf, Histogram
• Describe Center & Shape of Spread, including Interquartile Range
	Rational Numbers & Operations
	• Fluid Application of Rational Number Operations
	• Multi-step Applications
	• Percent Increase & Decrease
	Linear Relationships
	• Generate & Solve 2-step Equations & Inequalities
	• Proportionality
	  – Ratios & Rates
	  – Multi-step Applications
	• Multiple Representations—Words, Equations, Tables, & Graphs
	Geometry
	• Circumference & Area of Circle
	• Area of Composite Figures
	• Lateral/Total Surface Area (with nets) & Volume of Prisms & Pyramids
	Represent & Describe Data
	• Comparative Graphs
	• Make Inferences from Data Samples
	• Simple & Compound Probability
		Real Numbers
		• Sets & Subsets
		• Irrational Numbers
		• Scientific Notation
		• Simple & Compound Interest
		• Mean Absolute Deviation
		Linear Relationships
		• Multiple Representations of Functional Relationships
		• Scatterplots
		• Direct Variation
		• Equations & Inequalities in Context
		• Slope/Rate of Change
		• Y-intercept
		• Fluid Application of Multiple Representations
		Geometry
		• Transformations
		• Pythagorean Theorem & Converse
		• Volume of Cylinders, Cones & Spheres
		• Lateral/Total Surface Area (with formula) and Applications

Option 2 sequence: One Year Acceleration



6th grade course:	6th Grade AAC Math
Curriculum:	6th grade curriculum + half of 7th grade curriculum
Eligibility:	Students should perform at ”meets expectations” level on 5th STAAR. Students wanting to take this path should select AAC math during course selection.
STAAR test:	6th grade math
Algebra?:	Students who choose this option will take Algebra I in 8th grade

Option 3 sequence: Two Year Acceleration



6th grade course:	6th Grade Pre-Algebra (stacked with 7th AAC)
Curriculum:	Second half of 7th grade curriculum + all of 8th grade curriculum
Eligibility:	Two eligibility options: 1)Summer Jump Start program 2)Credit by exam
STAAR test:	7th grade math
Algebra?:	Students who choose this option will take Algebra I in 7th grade

Option 3 Qualifying

Two ways to qualify for the Two-Year Acceleration Program

1) Summer Jump Start program
   a. Students must qualify to take the Jump Start program by scoring at Mastery Level on the Jump Start qualifying test
   b. If qualified, students take a two-week (8 half days) class in June. Successful completion of the class makes a student eligible for Option 3 in 6th grade.

2) Credit by exam – Students who sit for and pass the 6th grade credit by exam with an 80% or higher can accelerate to 6th grade Pre-Algebra (Option 3) without a summer program.

*During February course selection, students interested in Option 3 should select AAC math, schedules will be adjusted if/when eligibility for Option 3 is attained.

Additional Information

Jump Start Qualifying Test Registration : February
(Register with elementary counselor)

Jump Start Qualifying Test Administration: Prior to Spring Break
(Administered at students' elementary)

<u>Jump Start Summer Information – Students attend only one session</u>
Two sessions: June (dates available through school counselor)

Tuition $50 (scholarships are available, ask your counselor)

Contacts

If you have questions:

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