GHS Mathematics Course Sequence
Guide 2019-2020

9th Grade	10th Grade	11th Grade	12th Grade	
Algebra 1/ Geometry Course 1 (C- or below *Test & Quiz Average* in 8th grade Pre-Algebra)	**Algebra 1/ Geometry Course 2**	**Algebra 1/ Geometry Course 3**	**Algebra 2B** (with teacher recommendation)	
			Topics in Mathematics	
Extended Algebra (Between C and B- *Test & Quiz Average* in 8th grade Pre-Algebra)	**Geometry B**	**Algebra 2B**	**College Algebra and Trigonometry**	
			Discrete Math 1 *not offered 2019-2020	**Discrete Math 2** *not offered 2019-2020
			Statistics 1 (C+ or better in Alg 2B <u>and</u> teacher rec)	**Statistics 2** (C+ or better in Stats 1)
			Topics in Mathematics	
Algebra 1 (B or better *Test & Quiz Average* in 8th grade Pre-Algebra)	**Geometry A** (C or better in Algebra 1) -or- (A- or better in Extended Algebra <u>with</u> teacher recommendation <u>and</u> summer work from Math Program Administrator)	**Algebra 2A** (C or better in both Geometry A and Algebra 1)	**College Algebra and Trigonometry** *New to the Course of Study Guide	
			Discrete Math 1 *not offered 2019-2020	**Discrete Math 2** *not offered 2019-2020
			Statistics 1	**Statistics 2** (C+ or better in Stats 1)
			Precalculus 1 (C+ or better in Alg 2A)	**Precalculus 2** (C or better in PC 1)

9th Grade	10th Grade	11th Grade	12th Grade	
Geometry A (C+ or below *Test & Quiz Average* in 8th grade Algebra)	**Algebra 2A** (C or better in Geometry A and a C or better in Algebra 1)	**College Algebra and Trigonometry** **(Algebra 2A or C or better in Algebra 2B)**	**Precalculus 1** (C or better in College Algebra and Trig)	**Precalculus 2** (C or better in PC 1)
		Precalculus 1 (C+ or better in Algebra 2A)	**Precalculus 2** (C or better in PC 1)	**Calculus** (C or better in PC 1 and PC 2)
			AP Statistics (teacher rec.)	
Honors Geometry (B- or better *Test & Quiz Average* in 8th grade Algebra)	**Honors Algebra 2** (B- or better in Honors Geometry) –or- (A- or better in Geometry A **with** teacher recommendation **and** B- or better in Algebra 1)	**Honors Precalculus** (B- or better in Honors Algebra 2) -or- (A- or better in Algebra 2A **with** teacher recommendation **and** summer work from Math Program Administrator)	**AP Calculus AB** (B or better in Honors Precalculus **or** A- or better in Precalculus 1 & 2 **with** teacher rec.)	
			AP Calculus BC (B+ or better in Honors Precalculus)	
Algebra 2A (C+ or below *Test & Quiz Average* in 8th grade Geometry)	**Precalculus 1** (C+ or better in Algebra 2A)	**Precalculus 2** (C or better in Precalculus 1)	**Calculus** (C or better in Precalculus 1 and 2)	**AP Statistics** (teacher rec.)
				AP Calculus AB (B or better in Honors Precalculus **or** A- or better in Precalculus 1 & 2 **with** teacher rec.)
Honors Algebra 2 (B- or better *Test & Quiz Average* in 8th grade Geometry)	**Honors Precalculus** (B- or better in Honors Algebra 2) -or- (A- or better in Alg 2A **with** teacher recommendation **and** summer work from Math Program Administrator)	**AP Calculus BC** (B+ or better in Honors Precalculus)	**Honors Advanced Calculus** (BC Calculus **and** teacher rec.)	
			AP Statistics (teacher rec.)	

GHS Mathematics Course Sequence Guide 2019-2020

GHS Computer Science Course Sequence 2019-2020

Year 1	Year 2	Year 3	Year 4
Introduction to Computer Programming A -OR- **Introduction to Computer Programming B** *Students may take EITHER or BOTH of these one semester courses. (C or better in Algebra 1, Extended Algebra, or Algebra/Geometry Course 2)	**JavaScript Computer Science Principles** (Successful completion of at least one of the Year 1 Intro to Computer Programming courses) **AP JavaScript Computer Science Principles** (Successful completion of at least one of the Year 1 Intro to Computer Programming courses AND Computer Science Teacher rec)	**AP Computer Science A** (Successful completion of either JavaScript Computer Science or AP JavaScript Computer Science Principles)	**Honors Computer Programming for Apps II** (Successful completion of AP Computer Science)
	Computer Programming for Applications (Successful completion of at least one of the Year 1 Intro to Computer Programming courses)	**Honors Computer Programming for Apps II** (Successful completion of Computer Programming for Applications)	**AP Computer Science A** (Successful completion of Honors Computer Programming for Apps II)