

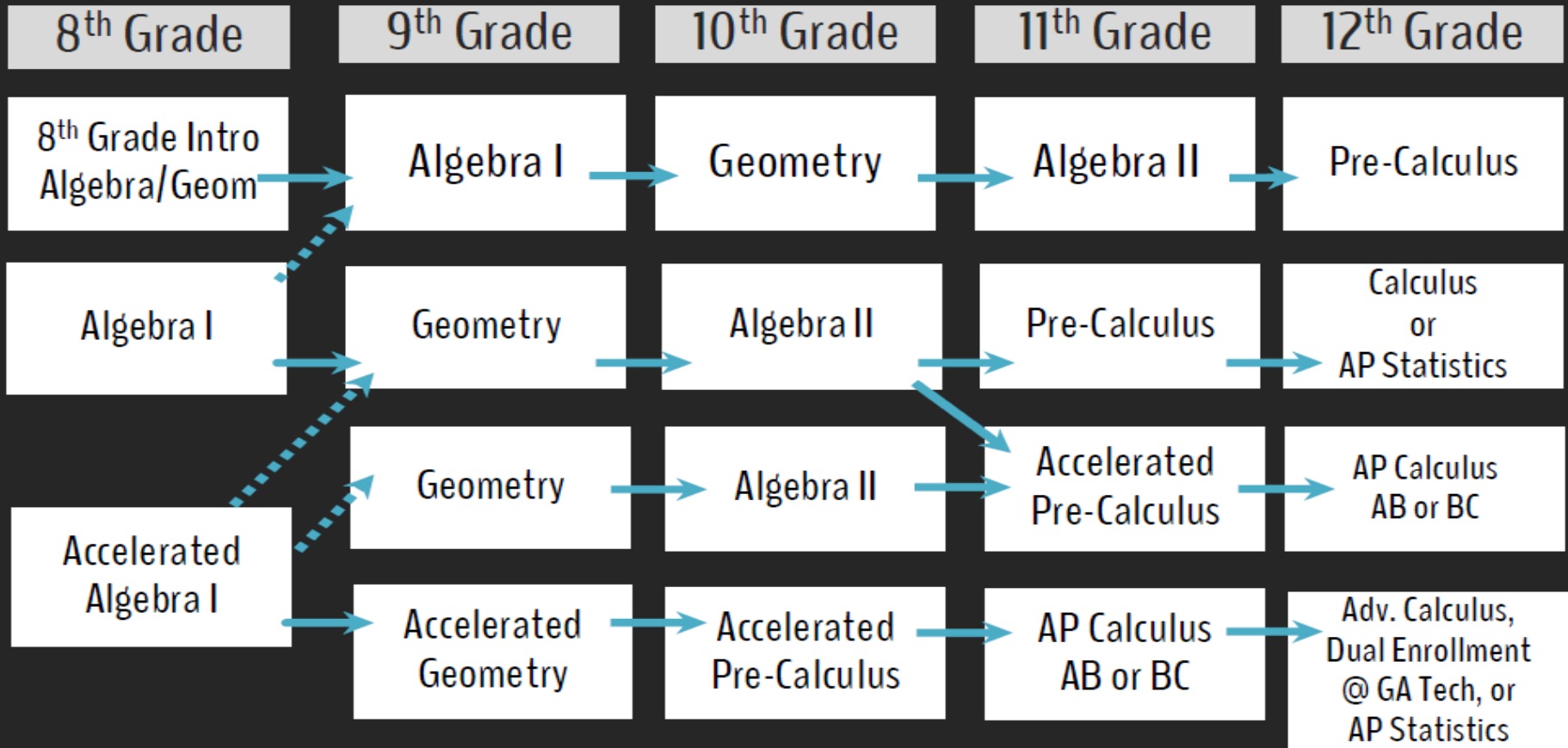
NGMS 2015-16

***UNDERSTANDING COURSE
SEQUENCES FOR
MATH, SCIENCE AND ELECTIVES***

Spring 2016
Informational
Meeting

MATH SEQUENCE

MATHEMATICS



ALGEBRA 1 SEQUENCE

MATHEMATICS

	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Choice A	Algebra I – sign waiver not accepting Carnegie Unit	Algebra I	Geometry	Algebra II	Pre-Calculus
Choice B	Algebra I – Carnegie Unit	Geometry	Algebra II	Pre-Calculus	Calculus or Advanced Placement Statistics

ACCELERATED ALGEBRA 1 SEQUENCE

MATHEMATICS

8th Grade

9th Grade

10th Grade

11th Grade

12th Grade

Choice A

Accelerated Algebra I –
sign waiver not
accepting Carnegie
Unit

Geometry

Algebra II

Pre-Calculus

**Calculus
or Advanced
Placement
Statistics**

Choice B

**Accelerated
Algebra I**
Carnegie Unit

**Accelerated
Geometry**

**Accelerated
Pre-Calculus**

**Advanced
Placement
Calculus
AB or BC**

**Adv Calculus II or
Multivariable Calculus or
Ga Tech Dual Enrollment
or
AP Statistics**

ACCELERATED GEOMETRY SEQUENCE



	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Choice A	Accelerated Geometry - sign waiver <u>not</u> accepting Carnegie Unit	Accelerated Geometry	Accelerated Pre-Calculus	Advanced Placement Calculus AB or BC	Advanced Calculus II or Multivariable Calculus or GA Tech Dual Enrollment or AP Statistics
Choice B	Accelerated Geometry Carnegie Unit	Accelerated Pre-Calculus	Advanced Placement Calculus AB or BC	Advanced Calculus II or Multivariable Calculus or GA Tech Dual Enrollment	Dual Enrollment, AP Statistics or Differential Equations & Number Theory

PHYSICAL SCIENCE SEQUENCE

SCIENCES

8th Grade

9th Grade

10th Grade

11th Grade

12th Grade

Choice A

Physical Science
Carnegie Unit

CP, Honors/Gifted,
or
Advanced
Placement
Biology

CP, Honors, Gifted
or
Advanced
Placement
Chemistry

CP/Honors or
Advanced
Placement
Physics

Anatomy &
Physiology,
Bioengineering,
Embedded
Computing,
Oceanography,
AP Biology,
AP Chemistry,
AP Physics,
AP Computer Science,
AP Environmental
Science

Choice B

Physical Science
– sign waiver
not accepting
Carnegie Unit

CP, Honors/Gifted,
or
Advanced
Placement
Biology

CP, Honors, Gifted
or
Advanced
Placement
Chemistry

CP/Honors or
Advanced
Placement
Physics

BIOLOGY SEQUENCE

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	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Choice A	Biology - sign waiver <u>not</u> accepting Carnegie Unit	CP or Honors/ Gifted Biology	CP, Honors or Gifted Chemistry	CP/Honors Physics or Advanced Placement Physics I	AP Biology, AP Chemistry, AP Physics, AP Computer Science, AP Environmental Science, Anatomy & Physiology, Bioengineering, or Oceanography
Choice B	Biology Carnegie Unit	CP, Honors or Gifted Chemistry	AP Biology, AP Chemistry or CP/Honors Physics or Advanced Placement Physics I	AP Biology, CP/Honors Physics or Advanced Placement Physics I, C, or any science elective	AP Biology, AP Chemistry, AP Physics C, AP Computer Science, AP Environmental Science, Anatomy & Physiology, Bioengineering, or Oceanography

BIOLOGY SEQUENCE

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	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Choice C	Biology Carnegie Unit	AP Environmental Science (AP Human Geography is recommended)	CP, Honors or Gifted Chemistry	CP/Honors Physics or Advanced Placement Physics I	AP Biology, AP Chemistry, AP Physics C, AP Computer Science, Anatomy & Physiology, Bioengineering, or Oceanography
Choice D	Biology Carnegie Unit	Advanced Placement Biology	CP, Honors or Gifted Chemistry or Advanced Placement Chemistry	CP/Honors Physics or Advanced Placement Physics I	AP Chemistry, AP Physics C, AP Computer Science, AP Environmental Science, Anatomy & Physiology, Bioengineering, or Oceanography

ELECTIVE SEQUENCES

ELECTIVES					
	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Choice A	Marketing Principles	Marketing Communications Essentials or Fashion Marketing or Sports Marketing	Promotion & Professional Sales or Adv. Fashion Marketing or Adv. Sports Marketing	Any other elective including Work Based Learning	Any other elective including Work Based Learning
Choice B	Audio & Video Technology	Any elective	Any elective	Any elective	Any elective
Choice C	French I Latin I Spanish I	French II Latin II Spanish II	French III Latin III Spanish III	French IV AP Latin Spanish IV	AP French Latin V AP Spanish