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Math Placement Decisions

- Current Course and grades *
- Current Teacher Recommendation

* Weighted heavily in the placement decision

Grade 9 Math Placement

- **Linear Algebra (C)** → Elements of Algebra 1
- **Linear Algebra(A/B)**→ Algebra 1
- **Algebra 1 (A/B)**→ Geometry
 - *95% Advanced Geometry*
- **Geometry (A/B)** → Advanced Algebra 2
 - *95% Honors Algebra 2*

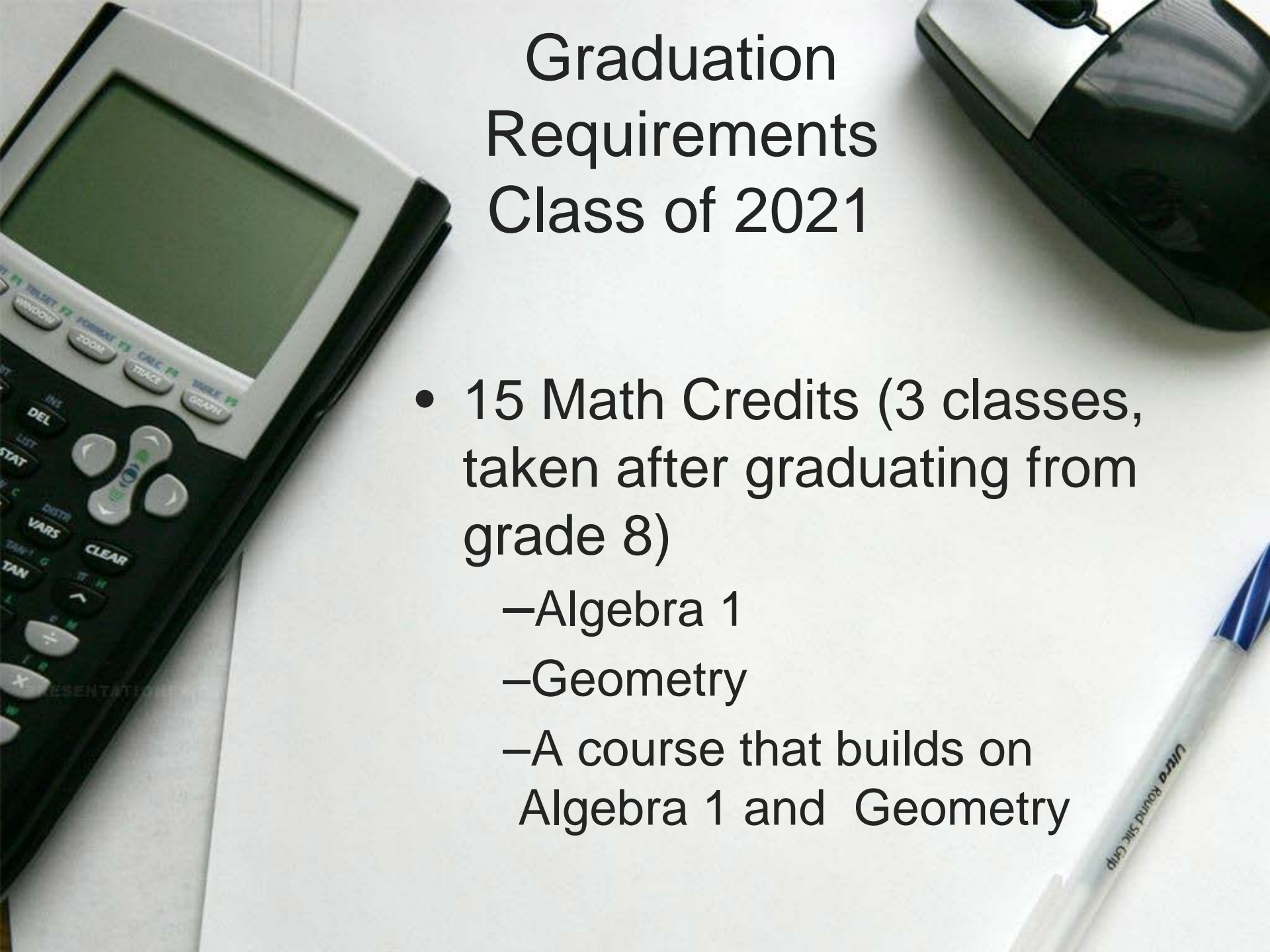
Math Course Sequence

- Algebra 1 *(Graphing Calculator recommended)*
- Geometry
- Algebra 2 *(Graphing Calculator recommended)*
- Pre-Calculus *(Graphing Calculator recommended)*
- Calculus *(Graphing Calculator required)*
- Statistics *(Graphing Calculator required)*

**Doubling in Math - Geometry with Algebra 2
Calculus with Statistics

Math Levels

- Elements (Alg1, Geo, Alg2)
- Traditional (Alg1, Geo, Alg2, Trig, Calc)
- Advanced (Geo, Alg2, Pre-Calc)
- Honors (Alg2, Pre-Calc, College Calc)
- AP (Calculus AB, Calculus BC, Statistics)



Graduation Requirements Class of 2021

- 15 Math Credits (3 classes, taken after graduating from grade 8)
 - Algebra 1
 - Geometry
 - A course that builds on Algebra 1 and Geometry

Testing Requirements Class of 2021

- Class of 2021 must pass Algebra 1 end-of-course PARCC

Other Information

- Computer Science for the 21st Century -
 - Elective
 - Followed by AP Comp Sci
- Math Resource Center available for help during HAP periods and lunch
- Homework Help Center (TWTh)

Possible Placements in Grade 9

- Physical and Earth Science
- Academic Physical and Earth Science
- Physics 1
- Honors Physics 1
- AP Physics 1

Placement criteria

- Current math course
- Grade in math course

How are student placements in Physical and Earth Science (PES) determined ?

- **PES** - if students are placed in Elements of Algebra 1, and students with below a 83% in Linear Algebra
- **Academic PES** – if students have scored less than 83% in Middle School Algebra, or earned above an 83% in Linear Algebra

How are student placements in Physics determined ?

- To be placed in Physics 1
Students need to have completed Algebra 1
with above an 83% or completed Linear
Algebra with above a 93%.

How are student placements in Physics determined ?

- To be placed in Honors Physics

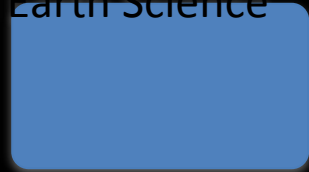
Students need to have completed Algebra 1 and Geometry with an average score of 87% in each

- To be placed in AP Physics 1 (no more AP Physics B)

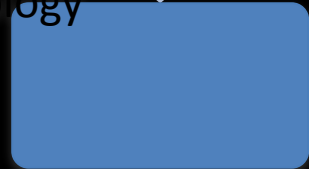
Students need to have completed Algebra 1 and Geometry by end of June with an average score of 93% in each

Possible Sequences

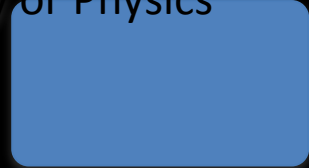
Physical and Earth Science



Biology



Chemistry or Physics



Physics or Chemistry



Physical and Earth Science



Biology and Chemistry



Physics and/
or Elective



Elective

Physical and Earth Science



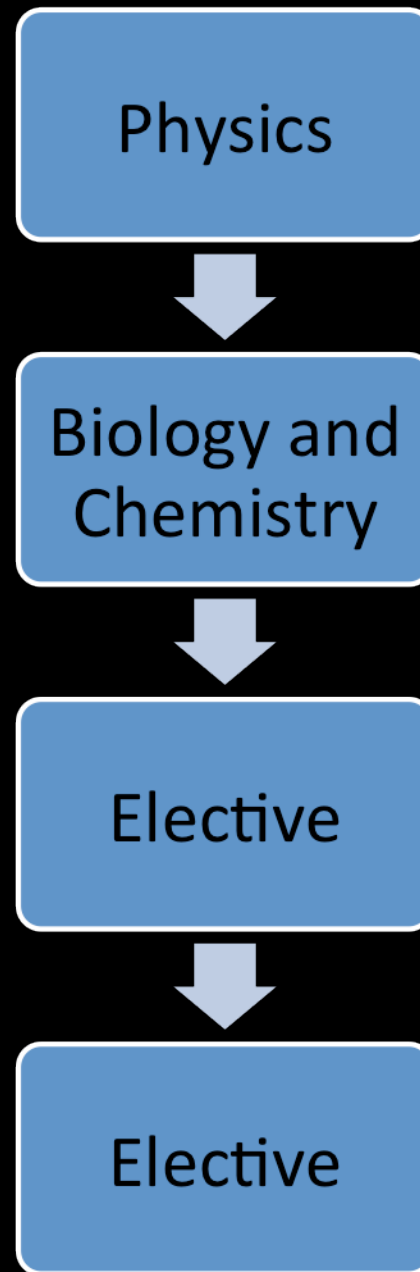
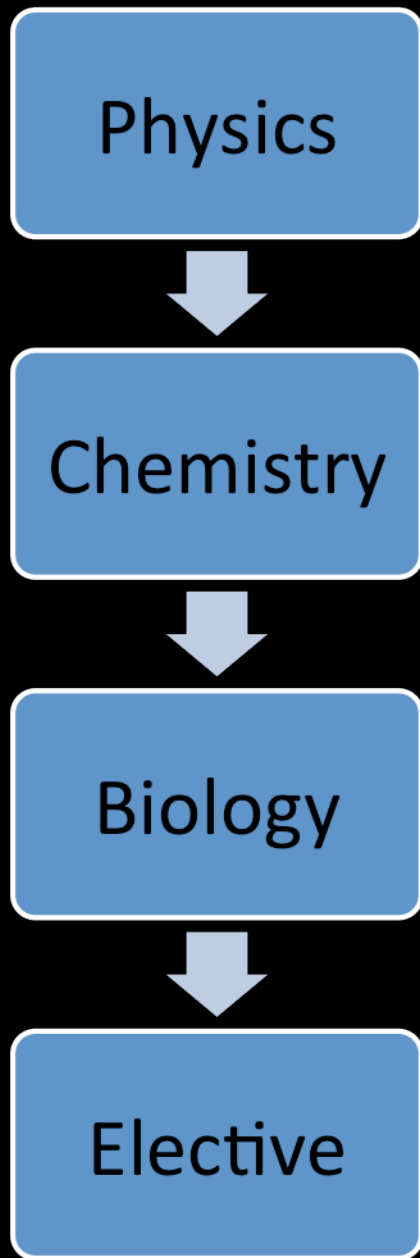
Physics and Chemistry



Biology and/
or Elective



Elective



Electives

Life Science

Biology II

Human Anatomy and Physiology

Biotechnology – semester course

Cross-Curricular

Science and Society

Forensic Science – semester course

Field Ecology and Animal Behavior

Physical Science

Astronomy - semester course

Engineering Theory and Application – semester course

AP

Biology

Chemistry

Environmental Science

Physics 1

Physics C

Differentiation

- Traditional (level I)/Academic
- Honors
- AP
- Level II (only for Biology, and can be taken in either grade 11 or 12 only after Biology 1)

Summer courses

- Option II application needs to be approved before deadline to count for graduation credit, unless taken at - - Summer Institute here at SBHS
- Will not count toward GPA
- Will qualify as pre-requisite for higher level course if grades meet requirement outlined in course booklet

Concerns about taking summer course –

- long term retention
- lab skills and
- student growth over 6 weeks versus a whole year

Summer Courses Offered at HS

Advanced Geometry
Advanced Chemistry
Advanced Biology

Enrichment only – 3 week courses

- ❑ Jump Start Algebra
- ❑ Robotics
- ❑ Prep for AP Physics/SAT Physics