

**SOUTH FORSYTH
HIGH SCHOOL**



South's Opportunities for Academic Readiness in Science

2017-2018

CONNECT TO ACHIEVE; LEAD TO INSPIRE

Science Graduation Requirements



- Biology
- Physical Science or Physics
 - 8th grade Physical Science **DOES** fill this requirement
- 2 additional science courses
 - ONE of these must be Chemistry, Environmental Science, Earth Systems, OR an AP/IB Science

Science Courses Offered



- Biology
- Honors Biology
- Physical Science
- Chemistry
- Honors Chemistry
- Earth Systems
- Environmental Science
- Human Anatomy & Physiology
- Epidemiology
- Forensic Science
- Physics
- AP Physics 1
- AP Physics C: Mechanics
- AP Biology
- AP Chemistry
- AP Environmental Science
- IB Biology HL
- IB Physics HL
- IB Chemistry SL
- IB Environmental Studies SL
- Scientific Research 3/4 (by application only)

Typical Science Pathways



Biology

Earth Systems
Chemistry
Honors
Chemistry

Environmental
Science
Anatomy
Forensics
Physics
AP/IB Sciences

Honors Biology

Chemistry
Honors
Chemistry

Anatomy
Forensics
Physics
AP/IB Sciences

9th Grade Course Options



- Biology
- Honors Biology
 - Honors course is designed to prepare students for AP/IB Biology
- Biology is a graduation requirement
- 20% of the grade is determined by the End of Course (EOC) test

10th Grade Course Options



- Earth Systems
- Chemistry
 - Recommended students must meet math and science prerequisites
 - Prerequisite to all AP/IB level science courses
- Honors Chemistry
 - Recommended students must meet math and science prerequisites
 - Course is designed to prepare students for AP/IB Chemistry

11th and 12th Grade Course Options



- Physics
 - Graduation requirement for students without 8th grade Physical Science credit
- Environmental Science
- Human Anatomy and Physiology
- Forensics
- Epidemiology
- Scientific Research
- AP/IB Sciences

Scan here to access course descriptions and prerequisites:



AP and IB Science Options



- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics 1
(algebra-based)
- AP Physics C
(calculus-based)
- IB Biology HL
- IB Chemistry SL
- IB Environmental Studies SL
- IB Physics HL

For more information about AP and IB courses, please visit the Advanced Studies session in the media center

Waivers



Students who waive against teacher recommendation into advanced science courses typically make lower grades than those who were recommended.

Students are **STRONGLY** encouraged to follow teacher recommendations.

The Math-Science Connection



- Students are not required to take accelerated math courses to meet the prerequisites for AP/IB sciences.
- However, Chemistry and Physics classes require strong math abilities.

Extracurricular Science Opportunities



- Biology Olympiad
- Chemistry Olympiad
- MD Junior
- Physics Club/Olympiad
- Science National Honor Society
- Science Olympiad

Questions About Specific Courses?



Courses	Room Number
Chemistry/Honors Chemistry	641
Earth Systems and Environmental Science	647
Human Anatomy and Physiology and Epidemiology	649
Physics	441
Forensics	485
AP/IB Chemistry	495
AP/IB Biology	449
AP Environmental Science	489
AP/IB Physics	493

Additional Questions?



- If you have questions about science courses at South, please contact:

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