

# SOUTH FORSYTH HIGH SCHOOL - SCIENCE

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# Science Graduation Requirements

- Biology
- Physical Science OR Physics (Credit from 8<sup>th</sup> grade Advanced Physical Science DOES meet this requirement)
- 2 other Science Courses, such as:
  - AP Biology
  - IB Biology SL/HL
  - Chemistry
  - Honors Chemistry
  - AP Chemistry
  - IB Chemistry SL
  - Physics
  - AP Physics 1
  - AP Physics C
  - IB Physics SL/HL
  - AP Environmental Science
  - Environmental Science\*
  - Earth Systems\*
  - Anatomy and Physiology
  - Forensics
  - Scientific Research 3





# On-Level vs. Honors Biology



## On-Level Biology

Meets or Does Not Meet on  
7<sup>th</sup> grade life science CRCT  
Scheduled to take  
Coordinate Algebra in high  
school



## Honors Biology

Exceeds on 7<sup>th</sup> grade life  
science CRCT  
Successful in 8<sup>th</sup> grade  
Advanced Physical Science –  
no test retakes!  
Classroom performance is  
routinely superior  
Strong study habits  
Scheduled to take  
Accelerated Coordinate  
Algebra in high school  
Above average maturity

# Important Reminder

**Students who waive teacher recommendation into Honors Biology historically do not perform as well as those recommended for the course.**



Students are NOT required to take Accelerated Math courses to meet the prerequisites for AP science courses. However, success in AP and IB science courses requires a demonstration of proficiency in an honors-level course prior to enrollment.

# The Biology Curriculum

## 1<sup>st</sup> Semester

**Introduction to Biology and  
the Scientific Method**

**Biochemistry**

**Cells and Cellular Processes**

**Energetics – Photosynthesis  
and Cellular Respiration**

**Mitosis and Meiosis**

## 2<sup>nd</sup> Semester

**DNA and DNA Processes**

**Genetics**

**Evolution**

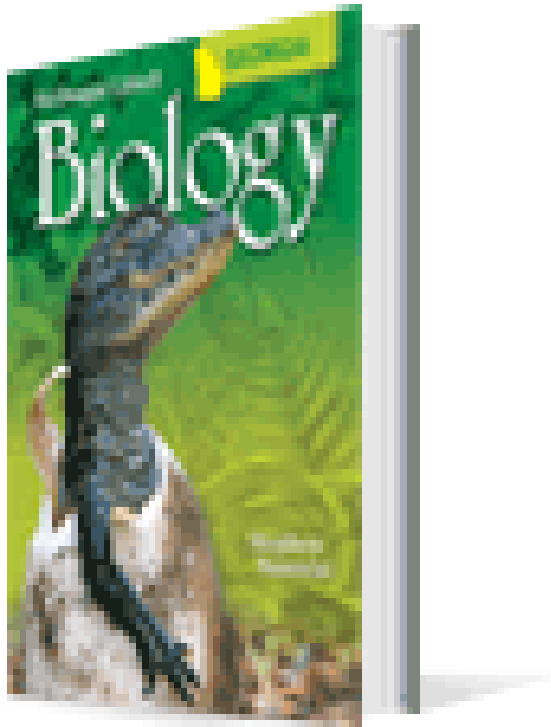
**Classification of Life**

**Ecology**





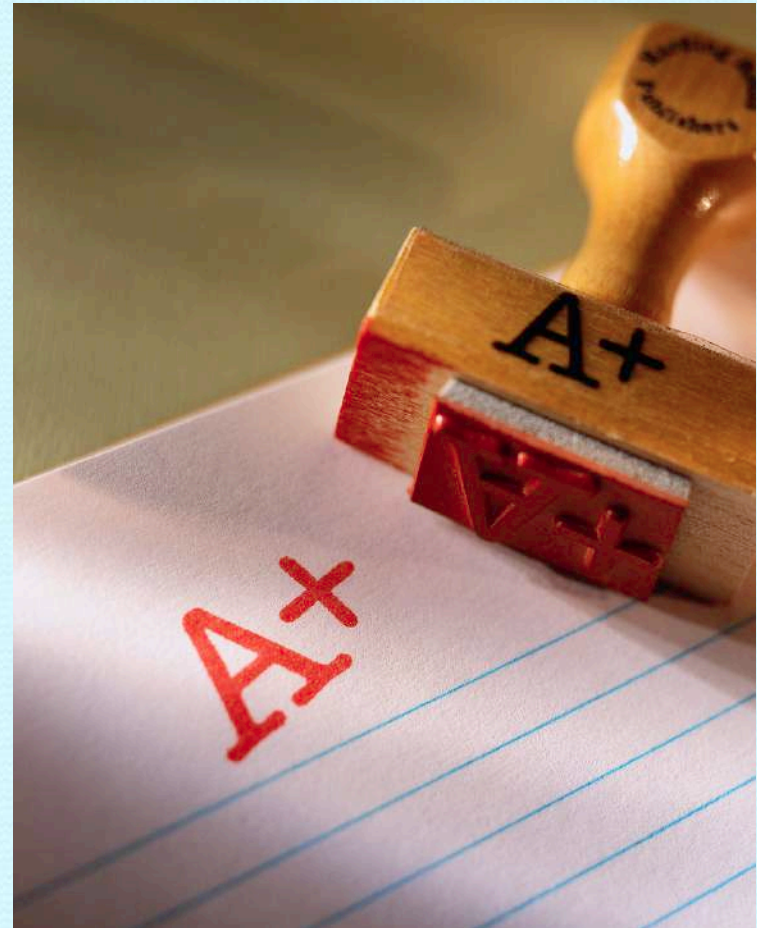
# Biology Textbook



- McDougal Littell Biology by Stephen Nowicki (2008 – Georgia edition)
- Class sets of textbooks are utilized in the classroom
- Additional resources provided by teachers on itsLearning

# Grading Policies

- Final grades are calculated as follows:
  - Course work – 80%
    - 50% 1<sup>st</sup> semester
    - 50% 2<sup>nd</sup> semester
  - Biology End of Course Test – 20%





# Strategies for Success



- Small increments of time daily are valuable
- Be proactive and attend help sessions
- Flash cards for key vocabulary
- Keep all returned/graded papers through the end of year for EOCT review
- Note-taking: thorough and interactive (highlight/underline key terms as you go)
- Use agendas!
- Complete all class/homework assignments on a regular basis – **formative work DOES impact**