

AFHS SCIENCE DEPARTMENT CURRICULUM PLANNING

| Must complete at least 3 credits – 2 credits from 2 different cores and 1 from any category for graduation (Concurrent or prereqs in parenthesis) | | | | |
|---|---|--|--|--|
| Earth Science Core | Biological Core | Chemistry Core | Physics Core | Computer Science Core |
| <ul style="list-style-type: none"> ● Earth Science ● AP Environmental Science | <ul style="list-style-type: none"> ● Biology ● Human Biology ● AP Biology (Biology, Chemistry recommended) | <ul style="list-style-type: none"> ● Chemistry (Sec Math II Concurrently) ● Chemistry 1010 (Sec Math III concurrently) ● AP Chemistry (Chemistry, Sec Math III) | <ul style="list-style-type: none"> ● Conceptual Physics (Sec Math III Concurrently or High Performing Sec Math II) ● Physics (Math Sec III Concurrently) ● AP Physics (Physics, Sec Math III) | <ul style="list-style-type: none"> ● Computer Programming 2A/Computer Programming 2B ● Computer Science Principles ● AP Computer Science Principles |

| AP Science Classes | Concurrent Enrollment Science classes | Science Electives (pre-reqs in parenthesis) | Sciences classes that can be counted for CTE or Science credit |
|---|--|--|---|
| <ul style="list-style-type: none"> ● AP Environmental Science <ul style="list-style-type: none"> ○ Can be taken in 10th grade ● AP Biology ● AP Chemistry ● AP Physics | <ul style="list-style-type: none"> ● BioTechnology ● Chemistry 1010 ● AP Environmental Science ● AP Biology/1610 | <ul style="list-style-type: none"> ● Animal Science (Biology) ● Astronomy ● BioTechnology (Biology) ● Engineering Principles (Physics or PWT) ● Geology (Earth Science) ● Medical Anatomy & Physiology (Biology) ● Medical Forensics (Biology) ● Plant Science (Biology) ● Zoology/Botany | <ul style="list-style-type: none"> ● BioTechnology ● AP Environmental Science ● Engineering Principles ● Plant Science ● Animal Science ● Medical Anatomy & Physiology ● Medical Forensics |

AFHS CORRELATED CORE SCIENCE AND MATH CLASSES

| | | | | |
|---|--|--|--|--|
| SECONDARY MATH I (9 th or 10 th grade) | Prerequisites: None | | | |
| | <ul style="list-style-type: none"> • Earth Science • Biology | | | |
| SECONDARY MATH II | Prereq or concurrently enrolled - Sec Math II | | High Performing Sec Math II concurrently enrolled or prereq | |
| | <ul style="list-style-type: none"> • Chemistry • AP Environmental Science | | <ul style="list-style-type: none"> • Conceptual Physics • Chemistry 1010 | |
| SECONDARY MATH III | Suggested Prereqs – Biology & Chemistry | Prereq – Chemistry | Prereq – Physics & AP Calculus | Prereq – Student should have already satisfied core science requirements |
| | <ul style="list-style-type: none"> • AP Bio • AP Environmental Science | <ul style="list-style-type: none"> • AP Chemistry | <ul style="list-style-type: none"> • AP Physics • Engineering Principles | <ul style="list-style-type: none"> • Advanced Science Project – Research & Labs • Biotechnology (Biology Prereq) |
| AFHS SCIENCE ENRICHMENT OPPORTUNITIES | <ul style="list-style-type: none"> • Science Academic Letter • Science Sterling Scholar • College Level Lab Opportunities • Science and Biology Olympiad | | | |

COURSE PLANNING

- Fill in the chart below with the class you are currently enrolled in and use it to plan your future courses.
- Remember
 - You should take at least 1 science class per year
 - You can take 2 or more science classes per year
 - Choose science classes based on your interests and future plans
 - The Regents Scholarship is changing. It is not ONLY based on the classes and grades. It will now take into account other scholarships earned and income need. The amount of money available/rewarded may be reduced drastically

| 9 th Grade | 10 th Grade | 11 th Grade | 12 th Grade |
|-----------------------|------------------------|------------------------|------------------------|
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