

New Science Courses Plan  
(Curriculum Committee Handout 1)

Rationale: The VT Education Quality Standards require all students to receive science education in life science, earth & space science, and physical science that meets Next Generation Science Standards. The current course structure at SHS does not ensure all students receive this comprehensive science education. A three course sequence that meets the requirement will be fully implemented by the 2018-2019 school year.

2015-2016

- Sort NGSS standards into three courses (Integrated Science 1, 2, & 3)
- Design Integrated Science 1

2016-2017

- Implement Integrated Science 1 (9th grade)
- Design Integrated Science 2
- Review and refine Integrated Science 1

2017-2018

- Implement Integrated Science 1 & 2 (9th and 10th grade)
- Design Integrated Science 3
- Review and refine Integrated Science 2

2018-2019

- Full implementation of all 3 courses
- Review and refine Integrated Science 3

Notes:

- Integrated Science 1 will have an embedded honors option (students earn honors credit by consistently performing at an exemplary level; students may have to complete additional coursework)
- We will decide if the embedded honors will continue in IS 2 and IS 3 or if it makes more sense to have separate honors courses
- By 2018-2019 students will be able to complete all three courses consecutively and will not be limited to taking them in a specific grade (a student could take IS 1 and IS 2 in the same year)
- Students may choose to take courses beyond the three required (Chemistry, Physics, Environmental Science, Anatomy and Physiology, Marine Biology, Forensic Science, AP Biology)