

High School Science

Course Progression for
Class of 2022 and beyond



Transition to NGSS: Progress to Date

- Implementation of *FOSS Science* in grades K-3.
- Implementation of *Science Dimensions* in grades 4-8.
- Professional development with Lynn Howard (3 days) on NGSS standards at high school.
- Creation of Science Department Competencies



Transition to NGSS: Progress to Date (con't)

- Meeting with Ron Michaels from the CSDE on NGSS implementation questions and models.
- Discussion with John LaRosa, Danbury High School science chair, on their experiences.
- Creation of Science Progression Committee consisting of 4 teachers and 3 administrators



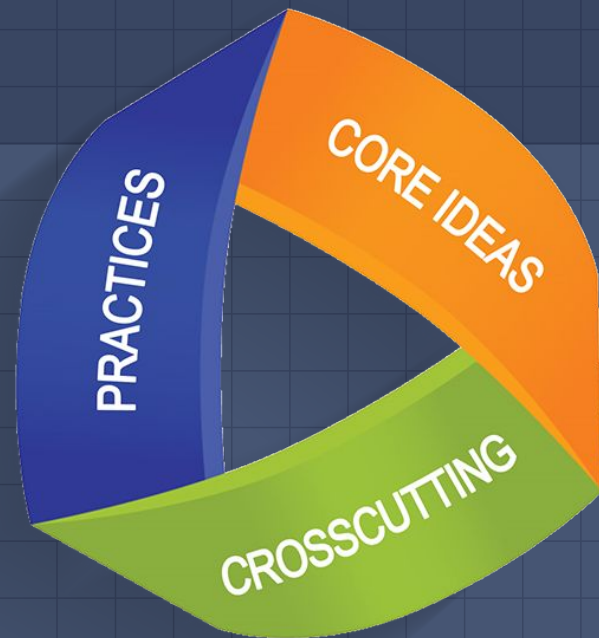
Goals for HS Implementation

- Effective implementation of Next Generation Science Standards (NGSS)
- Prepare students for junior-year NGSS assessment
- Prepare students for future science courses and STEM careers.



Needs

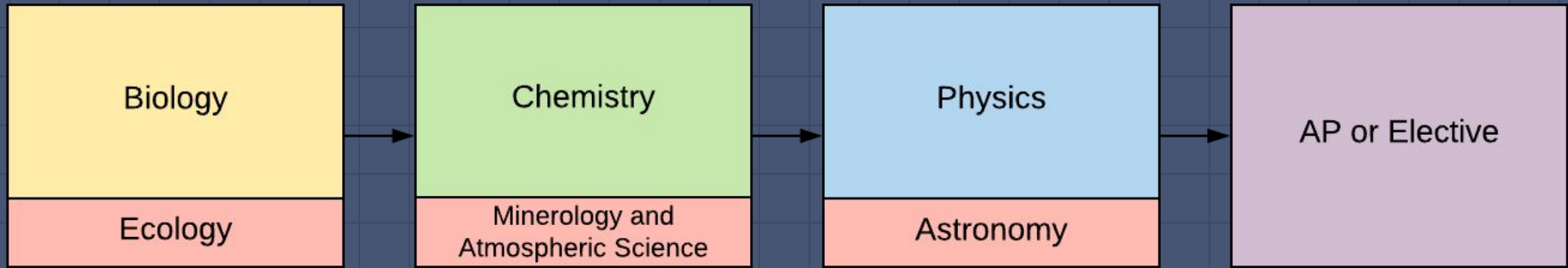
- Implementation of NGSS shifts
- Full coverage of NGSS standards for junior year
- Alignment of courses to certifications



Current Core Progression (Class of 2021 and prior)



Proposed Progression (Class of 2022 and beyond)



*The names of courses will not change since the additional Earth Science standards fall under the course names that already exist.



Next Steps

- Creation of NGSS-aligned curriculum (started)
- Integration of energy and earth systems content into each course (started)
- Progressive implementation of new curriculum into core courses
- Review of new science resources to support curriculum



Timeline

- Spring 2018-Spring 2019: Biology, Chemistry, and Physics curricula writing
- Fall 2018: Implementation of Biology
- Fall 2019: Implementation of Chemistry
- Fall 2020: Implementation of Physics
- 2019-2020: Writing elective curricula

