

ULS Science Curriculum Alignment to CCSS and NGSS

*University Laboratory School
A Hawai'i Public Charter School*

University Laboratory School

- Mission Statement

The school serves two interlocking missions: to design and deliver the best possible education to its students, and to serve the educational research and development community as an inventing and testing ground for high quality educational programs.

- Vision Statement

“All students graduate ready for college, work and responsible citizenship.”

ULS Science Curriculum

- Developed by the University of Hawai‘i at Mānoa’s Curriculum Research and Development Group
 - Foundational Approaches to Teaching Science (FAST) grades 6-8
 - Marine Science grade 9
 - Practices in Physics and Technology grade 10
- ULS Teacher Developed Curriculum
 - Chemistry grade 11
 - Biology grade 12

ULS Teachers as Researchers

- Started work on CCSS and NGSS in 2014
- 10 professional development days were granted to the Science Department (substitutes for 4 teachers & collaboration with Dean of C&I)
- 21 hours of PD
- Publishing and presenting

CCSS & NGSS Workplan

- **SY 2014-2015**
 - Collaborated to determine meaning and understanding of new NGSS criteria and learning dimensions
 - Examined grades 6-12 ULS science curriculum in comparison to the NGSS and CCSS
 - Identified biology course used scientific literature reviews; addressing and assessing NGSS and CCSS
 - Presented “Scientific Literacy Through Literature Review” at the 2015 NSTA national conference (National Science Teacher Association)

- **SY 2015-2016 (Hawai‘i Adopts NGSS)**
 - Collaborated to make decisions regarding NGSS that are not addressed through the current curriculum; then designed and revised lessons to fit these needs
 - Adopted the laboratory report as a common assessment component for CCSS (and NGSS) grades 6-12
 - Presented “The Laboratory Report: as assessment and evidence of achievement of NGSS learning progressions from 6th through 12th grade.” at the 2016 NSTA national conference

- **SY 2016-2017**

- Continue to refine curriculum alignment to NGSS and CCSS
- Review and compare newly published alignment strategies to our own
- Publish and present our methods and suggestions for alignment
 - Presenting “Analysis and Incorporation of NGSS into Existing Science Curricula” at 2017 Hawai‘i University International Conferences on Arts, Humanities, Social Sciences and Education & 15th Annual Hawai‘i International Conference on Education



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