

Science Alignment to Standards and Adoption of Instructional Materials 2009-2019

Alignment 2009	Adoption 2010-2011	Alignment 2011-2018	Adoption 2018-2019
<p>2009-2010 School Year: Teams of Chemistry, Physics, Biology, and Physical Science teachers were convened to align to the 2009 WA State Science Standards.</p> <p>Fall 2010: Required 1-day training for all HS Science teachers to train on the 2009 WA State Science Standards</p>	<p>2010-2011 School Year: Board approves adoption process to begin for adoption of Physical Science, Chemistry, and Physics Instructional Materials.</p> <p>Spring 2011: Adoption Committee makes recommendation of the following Instructional materials: Lab Aids for Physical Science, Living by Chemistry for Chemistry, Arizona State developed Modeling Physics.</p> <p>Spring 2011: Board does not fund the science adoption. No materials purchased for Physical Science, Chemistry. Arizona State Modeling Curriculum was free so Physics teachers agree to collaborate to teach using this instructional material.</p> <p>Summer 2011: Grant was written to pay for teachers to receive professional development on Arizona State Modeling Curriculum.</p> <p>Spring 2010-Spring 2017: Biology End of Course Exam is high stakes assessment for all students completing Biology</p>	<p>Fall 2011: IB/AP Incentive Grant (Board-approved grant) to study why IB/AP courses did not represent the demographics of the schools with most vulnerable populations of underserved kids. Finding, the core subjects of physical science, biology and chemistry were not preparing the students. Work began to shore up those courses to align to the WA State Science Standards despite no adopted Instructional Materials for those courses.</p> <p>Winter 2012: Boeing grants (Board-approved grants) funding to Seattle Pacific University to collaborate with SPS Physical Science teachers to build curriculum. Grant has been renewed and continues to fund through spring 2018. SPS Biology teachers enter in to a research project with Michigan State University (Board-approved grant) to co-develop Biology curriculum that is aligned to the 2009 standards with an eye to the NGSS standards.</p> <p>Fall 2013: Washington State adopts the Next Generation Science Standards.</p> <p>Winter 2014: Required training for all secondary science teachers on one dimension of the new NGSS, the Science and Engineering Practices.</p> <p>Winter 2014-Spring 2018: Physical Science and Biology collaborations continue to develop curriculum aligned to the NGSS.</p> <p>Spring 2016-Spring 2018 Teacher representatives from each HS sent a representative to study the new standards and their implications for the Core 24 3-year science requirement. Made recommendations</p> <p>Winter 2018: SPS partners with UC Bolder on Physics A curriculum development</p>	<p>Spring 2018: K-12 Science Adoption begins.</p> <p>2018-19 School Year: HS Adoption Committee is convened to follow Board Policy 2015 with the goal of adopting a common curriculum for Chem A/ Phys A (formerly called Physical Science), Biology AB and Chem B/ Phys B.</p> <p>Collaborations of Biology, Chemistry, Physics and Earth & Space science teachers continue through the year to give input on the instructional materials for each of these content areas.</p> <p>GOAL Spring 2019: Recommend instructional Materials for all content areas that align to the NGSS.</p> <p>Spring 2021: High stakes assessment for all students of the graduating class of 2022 and beyond is the Washington Comprehensive Assessment of Science. This web-based assessment is a comprehensive exam including biology, chemistry, physics, earth and space science.</p>