



Statement on Next Generation Science Standards (NGSS)

Conceptual Academy can be quickly described as a platform for the “video textbook”. It hosts a library of high quality science video lessons that collate automatically to each instructor’s course schedule. Through the Conceptual Academy platform, students earn credit for their study time before the class period. This encourages students to come to class having already been introduced to crosscutting and core ideas. During class, students are then in a good position to apply these ideas to novel situations with their classmates under the expert guidance of their course instructor. This methodology, inherent to the use of Conceptual Academy, aligns well to the NGSS three dimensions of science learning.

Conceptual Academy also offers worksheets, take-home and in-class lab activities, study advice, content-oriented podcasts, plus automated formative and summative assessment tools pulling from a bank of about 10,000 class tested questions presented through our “encouragement-based” approach. In short, science instructors will find Conceptual Academy to be a valuable resource toward meeting and even exceeding the Next Generation Science Standards most notably at the high school (HS) and middle school (MS) levels. This is especially the case when Conceptual Academy is paired with one of our well-known “conceptual” textbooks created by the very authors of Conceptual Academy and currently available from Pearson Education. This includes:

- Conceptual Physics
- Conceptual Chemistry
- Conceptual Physical Science
- Conceptual Integrated Science
- Conceptual Physical Science Explorations
- Conceptual Integrated Science Explorations

For situations where a school opts for no textbooks, then Conceptual Academy serves well as a stand-alone next generation educational product, presenting the wonders of science through the multimedia formats students readily embrace.

Our content arises from a foundation in the physical sciences including physics, chemistry, Earth Science, and astronomy. There is a strong integration of the life sciences within our “integrated” curriculum. Engineering practices are embedded throughout each of our courses, including mechanical, chemical, agricultural, environmental, and genetic engineering.

For details on how our curricula align to specific content standards, such as HS-PS1, please review our course table of contents available at ConceptualScience.com. Or please write to us at Support@ConceptualAcademy.com.