

CHEMISTRY ADOPTION COMMITTEE UPDATE

MAY 4, 2021

Please find relevant excerpts below:



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Chemistry Instructional Material Adoption Committee Update

The committee has completed their pre-screening of instructional materials. Learn about the prescreening process by opening the linked [Chemistry PowerPoint](#) and listening to the video for each slide (7 minutes).

The tool we used was [NextGen TIME](#) for evaluating instructional materials designed for NGSS. There are four criteria from NextGen TIME that we used for prescreening, and the average scores are represented below (on a 0-4 scale):

	Use of Phenomena/Problems. Materials provide relevant and authentic learning contexts through which students - engage as directly as possible with phenomena or problems to ask and answer their questions as well as questions from other sources and - have the potential to use the three dimensions to make sense of phenomena or design solutions to problems.	Presence of Logical Sequence. Student learning across the three dimensions is - arranged in a logical sequence and - sufficient and appropriate for students to figure out the phenomena or problems.	Students Are Figuring Out. Materials position students to make sense of phenomena and design solutions to problems by - asking and answering questions that link learning over time and - using the three dimensions to link prior knowledge and negotiate new understandings and abilities.	Three-Dimensional Performances. Materials include assessments designed to - match the targeted learning goals and - elicit evidence of students' use of the three dimensions to make sense of phenomena and/or to design solutions to problems.
Committee Screened Resources				
PDX STEM (OER)	2.17	1.67	1.67	1.00
Experience Chemistry	1.50	1.57	1.43	1.80
STEMscopes	3.40	2.80	2.30	3.00
Ihub/OpenSciEd (OER)	3.40	3.50	2.80	3.20
Living by Chemistry (3rd edition)				
Rejected materials from August 2020 Prescreening Team				
Living by Chemistry (2nd edition)	1.50	1.50	1.50	1.00
Inspire Chem (McGraw Hill)	2.00	1.00	2.00	2.00
HMH Science Dimensions (HMH)	1.00	1.00	1.00	1.00
Rejected Materials from April 2021 (AD)				
World of Chemistry (Cengage)	0.00	1.00	1.00	1.00

Based on the prescreening evaluation, we will pilot **STEMscopes** and **OpenSciEd Chemistry** in the 2021-22 school year.

Pilot teacher expectations:

- Receive training in each curriculum
- Implement the instructional materials in the spirit in which they were intended to be taught
- Complete a teacher feedback survey at the end of each piloted unit
- Give a student survey in class at the end of each piloted unit
- Communicate with families about the pilot and invite them to respond to a family survey at the end.

Please contact Angie (diloretoa@bsd405.org) if you have questions or comments.