

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT BOARD OF EDUCATION

Agenda Item 10.1

Meeting Date: June 6, 2019

Subject:	Approve Middle School (6-8th) and High School (9-12th) Science Pathways
	Information Item Only Approval on Consent Agenda Conference (for discussion only) Conference/First Reading (Action Anticipated:) Conference/Action Action Public Hearing

Division: Academic Office / Curriculum and Instruction

Academic Office / Curriculum and Instruction
ApproveMiddle School (&th) and High School (22th) Science Pathways
June 6, 2019

I. Overview/History of Department or Program

In 2013, the California State Board of Education joined other states in adolptingext Generation Science Standards internationally benchmarked and resealted set of curriculum standards. The standards were developed by bloomed teams from 26 states including educators, academics and other experts in the fieldscienceand science education. The standards outline rigorous learning expectations content and application reflects how science and engineering is practiced in the real world.

In 2016, the State Board of Education approved the Chalifornia Science Framework which outlined the ways and means in whilt and education agencies. As and classrooms can transition to the NGSS. In middle schoel (6) and high school (92th), the state did not dictate to LEAs how the standards should be organized into course the state allows LEAs to

practitioners. The general consensus of science by proposing viable integra science model, students receive instruearth) each year. This compares to a instruction primarily from one discipling instruction was largely based on data fengineers. The SEP noted that the Unminds in the fields of science and enginternational educational system that properties integrated science instruct SEP and, in an attempt to reconcile the integrated instruction should not be the designed a domain or discipline specific SEP felt strongly that integrated instructions.

discipline specific (&ourse) model, an

Academic Office / Curriculum and Instruction
ApproveMiddle School (8th) and High School (92th) Science Pathways
June 6, 2019

Chemistry, Physics, Earth Sciengets its own yealong course. The committee, however, could not come to consensus on either mother a clear recommendation to the board he middle school pathways committee met in March 2019. At the conclusion of the meetings, the committee had discussed the merits of the two instructional models posed in the framework: The CA Preferred Integrated (every science, every year) Model and the Discipline Specific Model. Like the high school committee, the group could not come to consensus on either model for a clear recommendation to the board.

Science Pathways Voting

As a result of the committees not coming to consensus on any one instructional model, the decision was made to census all impacted teachers in the form of an online noonymous vote. At the high school level, this was facilitated by science department heads during collaborative time. Department heads were asked to lead conversation around the pros/cons discussed by the high school science pathways committee and then vote at the end of the meeting once all voices had been solicited for comments and questions. Voting for high school closed on March 34, 2019. At the middle school level, this was facilitated via an online form AMC /P <</MCID 14 >>B6C 0.001 Tw 10.06 0 12 173.435Tm [(375.3.4A)410.001 Tc 0.003 Tw 2.52]

Academic Office / Curriculum and Instruction ApproveMiddle School (8th) and High School (92th) Science Pathways June 6, 2019

would be included in the rubric as part of the initial review. For SCUSD, our district lens included considerations for: English Language Development, Universal Design for Learning, and Equity/Access and Socialistic encluding cultural relevance and responsiveness. Programs that rank high enough in the prescreen process are considered when moving forward with a deeper, unitevel screening. Programs that aren't ranked high enough or programs that do not have enough evidence to indicate alignment to the rubric are eliminated from the adoption process. For SCUSD, this process will coinclude 2019 for both high and middle school instructional materials.

Phase 2: Paper Screen of Instructional Materials

The paper screen of instructional materials involves a deeper look at the materials that made it through the prescreen. The committee examines a full instructional unit within a set of materials across 5 individual rubrics: Foundations, Student Work, Monitoring Student Progress, Teacher Support, Program Evaluation (optional). At the end of each rubric, consensus on scores is recorded and the program is either pushed forward to the next rubric or eliminated. After all materials are reviewed, the committee decides on two instructional materials to move forward to final pilot phase. For SCUSD, this process will conclude on Augustⁿ 2019 for high and middle school instructional materials.

Phase 3: Pilotog of Instructional Materials

The piloting of instructional materials in wesan 8-week classroom trial run of both sets of instructional materials. Prior to piloting, piloting teachers and school sites are engaged in publisher training to use the materials effectively. During the piloting phase, teachers collect data systematically a digital journals and student work analysis in ongoing regular freetings. During this process, parent/community feedback and input will be garner (i)(I s)214(a)4

Academic Office / Curriculum and Instruction ApproveMiddle School (&th) and High School (9