

Board of Education

Mesa County Valley School District 51

Board Work Session Minutes

April 4, 2023

Board Work Session Minutes

A - Doug Levinson
 B - Kari Sholtes
 C - Andrea Haitz
 D - Will Jones
 E - Angela Lema

Board of Education
Mesa County Valley School District 51
Board Work Session: April 4, 2023
Adopted: May 23, 2023

	A	B	C	D	E		ACTION
						AGENDA ITEMS	
Present	x	x	x	x	x	<u>WORK SESSION</u>	5:00 p.m.
Absent						<p>1. Strategic Plan Focus Group #3 Update</p> <ul style="list-style-type: none"> ➤ Mr. Tracy Gallegos, Equity and Inclusion Director, reviewed the three priority areas of the Strategic Plan's focus area of Transparent and Effective Resource Allocation. The three priority areas are Effective Community Partnerships to Advance Strategic Goals, Transparent and Effective Resource Allocation and Communication and Connection with Families. ➤ Mr. Dan Prinster, community member, Mr. Clint Garcia, Chief Operations Officer, Mrs. Melanie Trujillo, Chief Financial Officer, Ms. Jannelle Ochoa, Finance Accountant and Mrs. Rachel Talley, Human Resource Analyst, all serve on a committee doing work on the priority area of Effective Resource Allocations. Team members reviewed the first year goals and the progression of those goals to date. Information was shared on the work team members are doing to collect data on facilities through the work order system, implementing a more robust work order system, compiling inventory of existing programs, developing a budget process that evaluates allocation of new resources based on alignment with the Strategic Plan, and developing methods to assess the effectiveness of current and future programs. ➤ Mrs. Angela Christensen, D51 Foundation Coordinator, and Ms. Andrea Bolton, College and Career Ready Assistant Director, reported on the progression of work under the priority area of Effective Community Partnerships to Advance Strategic Goals. The team is continuing to map District partnerships, evaluate the effectiveness of the partnerships and identify gaps. They spoke about a recent career fair for seventh grade students at Colorado Mesa University and working in collaboration with the Grand Junction High School Academy Team to share information on the Academy Team's business partners the team is using to improve post-secondary work force readiness. Mrs. Christensen introduced Mrs. Ressie Barrett, Wingate Elementary School Parent Teacher Organization (PTO) former president, and Mrs. Carrie Bollinger, Tope Elementary Principal, and asked them to share information on the benefits of family partnerships. Mrs. Barrett shared information on the activities the Wingate Elementary School PTO sponsors for parents and students, and how their PTO has strengthened and grown over the years. Mrs. Bollinger spoke on Tope Elementary School becoming a STEAM school and how parent involvement was used to provide a pathway to become a stronger learning community with many problems being solved by parents. Ideas were shared on the need to have schools with strong PTOs work with schools struggling to get more parent involvement. ➤ Mr. Gallegos and Mrs. Callie Berkson, Public Information Officer, shared the names of other team members working on the priority area of Communication and Connection with Families. They shared information on the five areas of communication the team has been working on. The five areas are: strategic communication, brand recognition and awareness, family and community engagement, internal communications and employee recruitment and retention. Information was shared on a two-way asynchronous communication tool to be implemented in the spring and a home visit pilot program with staff visiting 	

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						<p>families of incoming preschoolers. Mr. Gallegos gave an update on the work being done with Colorado Education Initiative in developing a family partnership road map to help strengthen family partnerships. He spoke about a five-year Family Engagement Center Grant to assist in becoming a model district.</p> <p>2. Proposition FF Healthy Meals for All Update</p> <ul style="list-style-type: none"> ➤ Mr. Dan Sharp, Nutrition Services Director, and Mrs. Trujillo, shared information on the benefits of the Colorado Proposition FF, Healthy School Meals for All. They spoke on the steps the District took to ensure opting into the Healthy Meals for All would not affect current or future federal funding. The District will start the process in April to opt into the program with the program to be in place for the 2023-2024 school year. Information was also shared on additional funding to assist in bringing market level wages to school nutrition staff for the 2024-2025 school year. <p>3. Auditor Request for Proposal Update</p> <ul style="list-style-type: none"> ➤ Mrs. Trujillo reported the accounting firm, who handles the District's audits, will no longer be able to do the audits for the District. She reported on steps taken to receive requests for proposals from other firms. She noted an interview team will review the requests for proposals and interview prospective firms. Following the interview process, the team will bring forward a resolution for Board approval to contract with a new accounting firm. <p>4. Board Open Discussion</p> <ul style="list-style-type: none"> ➤ Superintendent Hill gave a brief update on the committee, charged to review steps already taken and explore other avenues, to address declining enrollment at the elementary level. He shared information on the criteria and parameters for those serving on the committee, the proposed schedule for committee meetings and the approximate time needed for the committee to research all avenues and make a recommendation to the Board. ➤ Mr. Jones requested people send prayers and thoughts to a teacher who lost her husband to cancer. 	
Present	x	x	x	x	x	<u>BUSINESS ITEMS</u>	6:27 p.m.
Absent						A. Call to Order/Roll Call	
Motion		x				B. Agenda Approval	Approved
Second					x		
Aye	x	x	x	x	x		
No							
Motion		x				C. Curriculum Adoption	Approved
Second					x	C-a.1. Advanced Placement English Language & Composition	
Aye	x	x	x	x	x	C-a.2. Advanced Placement World History	
No						C-a.3. Advanced Placement Art History	
						C-b. High School Science Resources	

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						AGENDA ITEMS	ACTION
Motion Second				x		D. Adjournment	6:30 p.m.
						<hr/> Bridget Story, Assistant Secretary Board of Education	

D51 Instructional Resource Recommendation

Content:	AP English Language & Composition
Term & Year for Adoption Cycle:	Fall 2022
Term & Year for Implementation:	Fall 2023
Last Primary Adoption:	2009 (Bedford Reader)
Resource Needed: Primary	<i>The Language of Composition: Essential Voices, Essential Skills for the AP® Course, Fourth edition © 2023</i>

Rationale for Selection:

- Aligns with D51 Teaching and Learning Framework (esp design for learning and monitoring learning) and meets the rigor of the Colorado Academic Standards as well as the course requirements and skills required by College Board.
- Supports TLF-aligned instructional practices and standards-based skills of reading, writing, critical thinking, analysis, synthesis, and argumentation.
- Fully aligns (in this newest edition) to the College Board AP English Language and Composition Course Exam Description (CED) units and skills as revised in 2019. Highest rated resource in the “AP Specific Considerations” section of the D51 rubric.
- Offers a wide variety of classic and contemporary writing designed to foster classroom conversation, encourage students to ponder enduring questions, and promote connections not only between and among the texts themselves but also with the vibrant cultural conversations taking place in the world today which speaks to our D51 Graduate Profile. College level textbook that challenges and extends student reading abilities for the world of work or college-level academics.
- Offers comprehensive, in-depth questions and writing prompts enabling students to link reading with writing, guiding students from understanding what a text is about to analysis of how the content is presented and why. All questions are tagged to the AP® Big Ideas to help teachers strategically target what to assign when a certain style is needed.
- Includes multiple prompts and questions to build exam skills and abilities offering robust options for assessments of and for learning. Expanded question sets provide targeted practice for key AP® Language skills.
- Offers skill-building opening chapters fully-aligned with CED but also delivers a thematic anthology to allow for teacher flexibility. Resource is designed in a way that will meet the needs of both veteran and novice AP teachers.
- Connects with the AP exam but more importantly promotes globally-minded thinking with thematic alignment. Variety of texts from diverse perspectives, both classical and modern, are provided in the resource; selections address multiple themes that are relevant and engaging to students.
- Allows students to examine rhetoric from many perspectives through interdisciplinary texts. Presents visual texts and rhetoric (graphs, charts, images, art, advertisements, and the like) to engage students in multiple avenues of argument and synthesis.
- Spirals skills that build on each part of the exam throughout the year. Text allows for multiple entry points for both students and teachers to help enhance current curriculum or develop specific skills further.
- Includes a digital component full of extra resources and materials for both thematic units and test preparation which allow for ease in scaffolding lessons. Use of digital component will equip students for collegiate work
- Provides platform training at no cost through the life of adoption with no limit to the number of training sessions.

D51 Instructional Resource Recommendation

Scheduled through their OnceHub Link and provided by a LaunchPad specialist, sessions can be scheduled for a whole group, or by an individual teacher who needs some 1:1 help (covers the LaunchPad platform, how to navigate, and the functionality of the assignments, assessments, and resources).

- Overall, this was the highest rated resource among AP teachers and stakeholders.

Approximate Cost of Resource:

- Teacher Resource Materials: Up to 10 teacher editions and online digital resources + ExamView Assessment Suite included gratis based on purchased numbers of student materials and digital licenses.
- Student Resource materials:
 - 300 Print student editions = \$30,996
 - 300 digital 6-year subscriptions = \$11,700
- Shipping Fees = \$2,134

Would there be an annual, recurring cost for this resource? No

Recommendation for Professional Learning:

Level of Support Plan: Level 1 Event Professional Learning (embedded or stipend)

- One optional meeting in Spring of 2023 once new teacher editions become available, giving teachers the option to engage with the existing edition and build capacity for continued exploration of resources over the summer, if desired.
- August 2023--One-day Fall Institute event for teachers to attend a training session to explore the updated Launchpad platform and collaboratively plan for the year's implementation.
- Additional on-demand digital training appointments are available for individual teachers or small groups with no additional cost.

Cost for Professional Learning Support: No additional cost in mill funds

APPROXIMATE TOTAL COST = 44,830.80

Professional Learning Implementation Plan Design Guidance

Level 1	<p>Event Professional Learning Professional learning delivered to introduce teachers to the new curriculum resource and provide them the tools needed to use the resource in their classroom. (Typically done at the beginning of a school year with 1-2 days dedicated to the learning.)</p> <p>Design of Professional Learning Event: Teacher or specialist designed in collaboration with the publisher</p> <p>Budget: Curriculum</p> <p>Evaluation: Designed and completed by the specialist during the same school year.</p>
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D51 Instructional Resource Recommendation

I hereby certify that the information contained in the above resolution is accurate and was adopted by the Mesa County Valley School District No. 51 Board of Education on April 4, 2023.

*Bridget Story, Assistant Secretary
Board of Education*

D51 Instructional Resource Recommendation

Content:	AP World History
Term & Year for Adoption Cycle:	Fall 2023
Term & Year for Implementation:	Fall 2023
Last Primary Adoption:	2007
Resource Needed:	<i>Primary: Ways of the World for AP World Modern History Course Since 1200 CE (Bedford, Freeman, Worth) Supplementary: AMSCO Advanced Placement Edition World History Modern</i>

Rationale for Selection:

The Strayer book is simply the best aligned textbook to the new course, AP World History: Modern. It supports the skills and content required by College Board as provided in the CED better than any other resource we reviewed. Additionally, it provides essential primary resources and exam practice. The electronic version provides students with the ability to clarify questions as they go, as well as to take notes and highlight text.

Aligns with AP Curriculum Requirements and Colorado Prepared Graduate Competencies

- The AP course utilizes these skills and the textbook is aligned highly aligned to teaching the course skills.
- This piece follows the scope of the course, supports learning skills from the course, and engages students in a level of rigor that is commensurate with what is expected on the AP Exam
- This text is the most closely aligned resource we have found for the new AP World History Modern course, and provides extensive support for AP learners.
- This is an accepted AP text by College Board.
- This text is extremely targeted on providing opportunities to learn content and practice skills relevant to success on the AP Exam. It includes “AP Exam Tips” on almost every page along with suggestions for AP Argument Development. The end of each chapter provides an AP Skills Workshop that provides both explanations and opportunities for skill building specific to the AP Exam.

Aligns with D51 Goals and Philosophies and Supports TLF

- This text promotes rigor to a great degree.
- This includes a variety of sources and assessments to students to interact and engage in.
- This text includes references to goal setting and useful tips to study for the exam
- The resource includes diverse perspectives out of the necessity of teaching the content of the course
- The very nature of the topic covers a variety of cultures and their histories, with an emphasis on areas beyond Europe and the United States providing a varied representation of diversity. As an AP textbook, its differentiation is more limited. However, the online edition allows the reader to look up words as they go, providing English language supports.

Rationale for Selection: Supplementary Materials

The Amsco guide is a supplementary resource that provides for differentiation and will help students who may be over challenged by the textbook, as well as supporting ESL students. It will support all students by clearly addressing each College Board unit objective, helping them to gain big picture knowledge that will aid them in understanding the importance of details provided by the text. It will also be an extremely helpful resource in reviewing for the exam. This is in complete alignment with the course, however it is not an actual textbook. It is a supplemental resource that helps with differentiation and equity. It has representation of diversity as it is the history of the world, with a de-emphasis on European and U.S. history. This resource allows for differentiation as it is more accessible than the actual textbook and will allow a more diverse group of learners better access to the material and concepts.

Materials Included:

Ways of the World for the AP World History Modern Course (100 copies--3 Schools have sections of the course)
Launch Pad for Ways of the World AP World History Modern Course (100 licenses for 6 years)
Teachers Editions with Online Teacher Resources for Ways of the World AP World History Modern (3 copies)
Exam View for Ways of the World AP World History Modern Course (3 online copies)
AMSCO Advanced Placement World History Student Editions (200 copies)
AMSCO Advanced Placement World History Teacher Resource Bundles (3 sets)

Would there be an annual, recurring cost for this resource? No

Recommendation for Professional Learning Support:

- Level 1 Designed with teachers and content specialist drawing on resources from publisher

Investment total for Resources: \$ 16416.00
Investment total for Professional Learning: \$0
Investment total for Shipping: \$ 820.00
Supplemental Materials: \$ 4916.80 (includes shipping)
Total: \$22152.80

Total Investment: \$22,152.80

Level 1	<p>Event Professional Learning Professional learning delivered to introduce teachers to the new curriculum resource and provide them the tools needed to use the resource in their classroom. (Typically done at the beginning of a school year with 1-2 days dedicated to the learning.)</p> <p>Design of Professional Learning Event: Teacher or specialist designed in collaboration with the publisher</p> <p>Budget: Curriculum budget</p>
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Evaluation: Designed and completed by the specialist during the same school year.
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D51 Instructional Resource Recommendation

Content:	AP Art History
Term & Year for Adoption Cycle:	Fall 2022
Term & Year for Implementation:	Fall 2023
Last Primary Adoption:	none
Resource Needed:	Primary : <i>The History of Art: A Global View AP Edition</i> Supplementary: <i>Smart History AP Art History Volumes 1-5</i>
<p>Rationale for Selection: PRIMARY</p> <ul style="list-style-type: none"> ● This resource was specifically designed for use with the AP course and provides access to 1600 images as well as college level of text, primary and secondary, to help students research and further exploration of the topics ● All but 25 of the required works are available (highest in any art history text we looked at) ● Closest fit with the required pieces of art required by the College Board ● Post secondary experience with source and textual analysis ● Excellent guiding questions practice work for student to set goals and grow ● Provides diverse perspectives ● Attempts to display content in numerous ways ● Includes comparison, analysis and materials process and techniques included ● Designed to support students get the most broad and diverse look at art history in order to help them build the fundamental knowledge necessary to succeed on the exam ● Great traditional hands on textbook with almost all works discussed and some supplementary works 	
<p>Rationale for Selection: SUPPLEMENTARY</p> <ul style="list-style-type: none"> ● Specifically designed and recommended by College Board and AP trainers for the use in this course when scholarship on works of art is updated ● More indepth information on lesser known areas of art: Pacific and African in particular ● Provides students with resources to engage in the required 250 images for Art History ● Helps prepare students with preparing for the exam through quizzes, self reflections, and feedback ● Incorporates video content as well as textual content to differentiate to different students needs ● This resource updates new information about individual works and would also update quickly to any changes in the Course Exam Description--this is a need as we have to continue to provide accurate and exemplar information about each work. 	
<p>Approximate Cost of Resource:</p> <ul style="list-style-type: none"> ● Teacher Resource Materials: 2 Teacher Resource Sets (AP Course Planning and Pacing Guide, AP test bank, Lecture Slides, and Art Slides) ● Student Resource materials: \$9,800.00 <ul style="list-style-type: none"> ○ 50 Student Editions ○ 300 Digital licenses (50 for each of the 6 years) ● Shipping Fees = \$392.00 	

D51 Instructional Resource Recommendation

Would there be an annual, recurring cost for this resource? No

Recommendation for Professional Learning:

Level of Support Plan: Level 1 Event Professional Learning (embedded or stipend)

- One optional meeting in Spring of 2023 once new teacher editions become available, giving teachers the option to engage with the existing edition and build capacity for continued exploration of resources over the summer, if desired.
- August 2023--One-day Fall Institute event for teachers to attend a training session to explore the digital platform and collaboratively plan for the year's implementation.
- Additional on-demand digital training appointments are available for individual teachers or small groups with no additional cost.

Cost for Professional Learning Support: No additional cost in mill funds

APPROXIMATE TOTAL COST = \$10,192.00

Professional Learning Implementation Plan Design Guidance

Level 1	<p>Event Professional Learning Professional learning delivered to introduce teachers to the new curriculum resource and provide them the tools needed to use the resource in their classroom. (Typically done at the beginning of a school year with 1-2 days dedicated to the learning.)</p> <p>Design of Professional Learning Event: Teacher or specialist designed in collaboration with the publisher</p> <p>Budget: Curriculum</p> <p>Evaluation: Designed and completed by the specialist during the same school year.</p>
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Bridget Story, Assistant Secretary
Board of Education

D51 Instructional Resource Recommendation

Content:	High School Science: Biology
Term & Year for Adoption Cycle:	Fall 2022
Term & Year for Implementation:	Fall 2023
Last Primary Adoption:	2008
Resource Needed:	<i>BSCS Biology: Understanding for Life, 1st edition, © 2023 BSCS Science Learning (Kendall Hunt Publishing)</i>

Rationale for Selection:

- Incorporates and integrates the three dimensions of Next Generation Science Standards (Science and Engineering Practices, Disciplinary Core Ideas and Cross Cutting Concepts) and incorporates three-dimensional assessments for and of student learning
- Incorporates phenomena and problems that connect to grade-band appropriate Disciplinary Core Ideas (DCIs) of NGSS, present phenomena and problems directly, and consistently include phenomena and problems that drive student learning and use of the three dimensions of NGSS within and across lessons
- Elicits student prior knowledge and expertise related to phenomena and problems
- Connects dimensions of NGSS connect from unit to unit, incorporate a suggested sequence for the series, and includes student tasks related to understanding and explaining phenomena that increase in sophistication across the series
- Incorporate scientifically accurate use of the three dimensions of NGSS
- High quality, rigorous, three-dimensional assessments have the capability to drive backwards planning and provide teachers with a clear view of mastery
- Incorporates societal issues from a science, human, and natural perspective
- Rather than simply teaching concepts in biology, BSCS guides students to learn by investigating stories. Not only is this the way the real world of science works, it also amplifies engagement for students
- BSCS is fully aligned to the NGSS standards and offers our learners the best opportunity to develop their science knowledge and skills in the field of biology. Learners will get the opportunity to see how biology applies to the real world and their own lives. They will come away from the class with a greater understanding of the world around them and greater scientific literacy
- BSCS offers real world phenomena that will be engaging for students and make them wonder, problem solve, consider perspectives of others, support their ideas with evidence, and think deeply about science ideas. It is designed specifically for the NGSS

Approximate Cost of Resource:

- Teacher Resource Materials: \$295 x 30 teachers = \$8,850
- Student Resource materials:
 - 30 Print student editions = \$3,090
 - 1600 digital 6-year subscriptions = \$148,010

- 1750 digital 1-year subscriptions = \$66,482.50
- Shipping Fees = \$1,134

Would there be an annual, recurring cost for this resource?

Cost of lab materials supported by student fees and the science materials budget

Recommendation for Professional Learning Support:

Level of Support Plan: Level 3 - System-wide, Multi-year, Professional Learning Support

- Year 1 Implementation Support: \$31,500
 - Vendor supported facilitation for district-level learning events (Summer/Fall Institute, Inservice - Aug, Oct, Jan, March)
 - Embedded support throughout the year (LC facilitation, coaching, learning labs)
- Year 1-3 Coherence and Alignment Support: \$20,000
 - Integration of ESS in BSCS: Understanding For Life
 - Integration of ESS in partnership with PEER Physics
 - Alignment of ESS across science core
 - Coherence of professional learning and instructional routines across 3 different resources

Investment total for Resources: \$226,432.50

Investment total for Professional Learning: \$51,500

Investment total for Shipping: \$1,177

Total Investment: \$279,109.50

Level 3	<p>System-wide, Multi-year Professional Learning Program Professional learning planned over several years. This level may include event professional learning at the point of resource implementation, but also includes an ongoing focus at building PLCs and multiple staff development days. Support of this learning is a targeted focus for D51 Instructional Coaches.</p> <p>Design of Professional Learning Program: Designed collaboratively with Directors (Professional Learning, Curriculum, and Site) with approval from ILT due to scale of implementation & scope of impact. Specialists in collaboration with teacher content teams, coach coordinators, and directors deliver the professional learning</p> <p>Budget: Requires combined budget support (eg, Fund 10, Title II, Mill) and multi-year budget commitments.</p> <p>Evaluation: Designed collaboratively with the program evaluation oversight student outcomes must be included in the ongoing evaluation (Director of Assessment)</p>
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D51 Instructional Resource Recommendation

Content:	High School Science: Chemistry
Term & Year for Adoption Cycle:	Fall 2022
Term & Year for Implementation:	Fall 2024
Last Primary Adoption:	2007
Resource Needed:	<i>Savvas: Experience Chemistry, 1st edition, © 2021 Savvas Learning Company LLC</i>
<p>Rationale for Selection:</p> <ul style="list-style-type: none"> ● Incorporates and integrates the three dimensions of Next Generation Science Standards (Science and Engineering Practices, Disciplinary Core Ideas and Cross Cutting Concepts) and incorporates three-dimensional assessments for and of student learning ● Incorporates phenomena and problems that connect to grade-band appropriate Disciplinary Core Ideas (DCIs) of NGSS, present phenomena and problems directly, and consistently include phenomena and problems that drive student learning and use of the three dimensions of NGSS within and across lessons ● Elicits student prior knowledge and expertise related to phenomena and problems ● Variety of assessments and assessment banks to support backwards planning and understanding of mastery ● Rigorous chemistry content that will support and prepare students for advanced science offerings as well as making chemistry accessible to all learners ● Robust differentiation and accommodations tools and support for a variety of learners ● Earth and space science standards are meaningfully integrated across the chemistry units. Students engage in learning how chemistry shapes and dives processes on earth through authentic sense-making around phenomena. 	
<p>Approximate Cost of Resource:</p> <ul style="list-style-type: none"> ● Teacher Resource Materials: <ul style="list-style-type: none"> ○ 25 Print and 6 year license = \$5,375 ● Student Resource materials: <ul style="list-style-type: none"> ○ 25 Print student editions = \$3,625 ○ 1600 digital 6-year subscriptions = \$161,600 ● Shipping Fees = \$2000 <p>Would there be an annual, recurring cost for this resource? Cost of lab materials supported by student fees and the science materials budget.</p>	
<p>Recommendation for Professional Learning Support: Level of Support Plan: Level 2- Year- Long Ongoing Professional Learning Program</p> <ul style="list-style-type: none"> ● Implementation Support: 	

- Vendor supported facilitation for district-level learning events (Fall Institute, Inservice (Aug, Oct, Jan, March)
- Embedded support throughout the year (LC facilitation, coaching, learning labs)

Investment total for Resources: \$170,600
Investment total for Professional Learning: \$22,000
Investment total for Shipping: \$2000

Total Investment: \$194,600

Year- Long Ongoing Professional Learning Program

Professional learning planned for an entire school year. This level may include event professional learning at the beginning of the school year, but also includes an ongoing focus at building PLCs and staff development days.

**Level
2**

Design of Professional Learning Program:

Specialist designed in collaboration with teacher content teams, Content Specialists, Coach Coordinators, Directors of Professional Learning and Curriculum, and one or more Site Directors

Budget: Requires combined budget support

Evaluation: Designed collaboratively with teachers, specialist(s), Directors of Professional Learning and Curriculum, and completed by the specialist during the same school year.

D51 Instructional Resource Recommendation

Content:	High School Science: Physics
Term & Year for Adoption Cycle:	Fall 2022
Term & Year for Implementation:	Fall 2025
Last Primary Adoption:	2009
Resource Needed:	<i>PEER Physics, 1st edition, © 2019, University of Colorado Boulder</i> <i>2nd edition will be released prior to implementation</i>

Rationale for Selection:

- Incorporates and integrates the three dimensions of Next Generation Science Standards (Science and Engineering Practices, Disciplinary Core Ideas and Cross Cutting Concepts) and incorporates three-dimensional assessments for and of student learning
- Incorporates phenomena and problems that connect to grade-band appropriate Disciplinary Core Ideas (DCIs) of NGSS, present phenomena and problems directly, and consistently include phenomena and problems that drive student learning and use of the three dimensions of NGSS within and across lessons
- Elicits student prior knowledge and expertise related to phenomena and problems
- Connects dimensions of NGSS connect from unit to unit, incorporate a suggested sequence for the series, and includes student tasks related to understanding and explaining phenomena that increase in sophistication across the series
- Incorporate scientifically accurate use of the three dimensions of NGSS
- High quality, rigorous, three-dimensional assessments have the capability to drive backwards planning and provide teachers with a clear view of mastery
- Sense-making in science is at the forefront of the design of each of the learning progressions and assessments. Lesson structures promote critical thinking and skills of scientists
- Concept attainment in physics is prioritized over memorization of mathematical relationships. Introduction of math is sequenced after the formalization and application of key science principles
- PEER Physics offers robust professional development that would support teachers in both their pedagogy and content knowledge related to physics instruction
- PEER Physics will work in collaboration with our district and teachers to integrate ESS standards leveraging local and relevant phenomena for our community

Approximate Cost of Resource:

- Teacher and Student Resource Materials:
 - 25 Class sets of teacher and student editions = \$63,000
 - 1600 digital 6-year subscriptions = \$153,600
- Shipping Fees = Included

Would there be an annual, recurring cost for this resource?

Cost of lab materials supported by student fees and the science materials budget.

Recommendation for Professional Learning Support:

Level of Support Plan: Level 3 - System-wide, Multi-year, Professional Learning Support

- Implementation Support:
 - Vendor supported facilitation for district-level learning events (Summer/Fall Institute, Inservice - Aug, Oct, Jan, March)
 - Embedded support throughout the year (LC facilitation, coaching, learning labs)
 - Content support for science teachers
 - Early adopter implementation (1 day launch plus yearlong-virtual PL in National Cohort)
 - Collaborative integration of the ESS standards with teacher teams prior to implementation year

Investment total for Resources: \$216,600

Investment total for Professional Learning: \$20,000

Investment total for Shipping: Included

Total Investment: \$236,600

Level 3	<p>System-wide, Multi-year Professional Learning Program Professional learning planned over several years. This level may include event professional learning at the point of resource implementation, but also includes an ongoing focus at building PLCs and multiple staff development days. Support of this learning is a targeted focus for D51 Instructional Coaches.</p> <p>Design of Professional Learning Program: Designed collaboratively with Directors (Professional Learning, Curriculum, and Site) with approval from ILT due to scale of implementation & scope of impact. Specialists in collaboration with teacher content teams, coach coordinators, and directors deliver the professional learning</p> <p>Budget: Requires combined budget supports (eg, Fund 10, Title II, Mill) and multi-year budget commitments.</p> <p>Evaluation: Designed collaboratively with the program evaluation oversight student outcomes must be included in the ongoing evaluation (Director of Assessment)</p>
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Board of Education*