



Science Techbook CA NGSS Experience

PERRIS UNION HIGH SCHOOL DISTRICT
California Military Institute
Print & Digital per Student option

Partnership Proposal

4/14/2020



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Discovery Education Science Techbook™ is a powerful, simple to use K-12 digital textbook that changes the way students and teachers experience real-world science phenomena. Built around the 5E model of instruction, Techbook™ offers a non-linear curriculum pathway that promotes inquiry-based learning, enhances critical thinking, and improves student achievement. High School courses include Biology, Chemistry, Physical, Earth & Space.



The Discovery Education Experience, formerly known as Discovery Education Streaming, combines dynamic curated curriculum resources with grab-and-go instructional strategies, personalized for your needs as an educator. This ever-growing collection of real world content brings excitement and relevancy to the topics you teach, so all students have opportunities to unlock their true potential.



Discovery Education STEM Connect is an interdisciplinary K-8 resource that enhances core curriculum. It guides students to develop and apply knowledge and skills to important real world challenges as it helps them build real possibilities for their future. Strengthening 4Cs skills across subjects and grades, STEM Connect engages students with literacy-infused activities, hands-on exploration, design thinking and career connections.



Discovery Education offers research-based, results-driven professional learning. Our innovative approach systematically impacts multiple layers of the school system and provides educators with immersive experiences to bridge theory to practice. Because our approach is teacher-centered, we offer face-to-face professional learning, online support, classroom application and job-embedded coaching.

PROFESSIONAL LEARNING

The following professional learning sessions are included in the Discovery Education Science Techbook™ CA NGSS Experience. Each 6-hour Levelled Pathway Session may include up to 25 Science educators. A Discovery Education Partner Success manager will work with the district contact to determine how to schedule and structure these sessions effectively to meet the needs of the teachers.

California Science Techbook™ 100 Level Pathway: Getting Started with the Discovery Education Science Techbook™ CA NGSS Experience



This session is designed to provide a foundation of practical and functional navigation of Science Techbook™ in its entirety in order to build teacher competency around usage in the classroom. In this session, teachers will engage in an exploration course focused on answering the Guiding Question: How can I use Science Techbook™ to support students in describing what is happening in the Anchor Phenomenon? Teachers will have an opportunity to investigate the print and digital resources in Science Techbook™ as they consider instructional planning, feel confident in locating print resources and finding the corresponding digital resources as they plan for print, digital, and/or blended science environments, as well as be able to intentionally debrief their session learning through one of our SOS Strategies.

California Science Techbook™ 200 Level Pathway K-8: Using Science Techbook™ Resources to Promote Scientific Inquiry

This session or grouping of sessions is intended to follow after the 100 Level Pathway and is designed to offer flexibility in session components. Districts can work with their Discovery Education Partner Success Manager to select from and/or combine four different 90-minute modules to best meet the needs of teachers. Completing this pathway in its entirety will allow teachers to continue to uncover and apply features and functionality of the Science Techbook™ Experience's print and digital resources. Teachers will also create authentic learning experiences as they dive deeper into our Hands-on Activities and also explore the Science Techbook™ Dashboard to check for student understanding and drive instruction.

California Science Techbook™ 300 Level Pathway K-8: Extending Teaching and Learning with Science Techbook™ and Discovery Education Experience

This session or grouping of sessions is intended to follow after the 200 Level Pathway and is designed to offer flexibility in session components. Districts can work with their Discovery Education Partner Success Manager to select from and/or combine four different 90-minute modules to best meet the needs of teachers. Completing this pathway in its entirety will allow teachers to uncover connections and extensions between Science Techbook™, Discovery Education Experience, Discovery Education's creation tool Studio, and STEM Connect. Integrating these wide range of core and supplemental resources will inspire innovation in instructional practices in order to solve real-world problems.

Job-Embedded Instructional Support

Part of the Discovery Education Science Techbook™ CA NGSS Experience also includes support for teachers during instructional planning or non-evaluative in-class support. In a 6-hour instructional support session, a Discovery Education Professional Learning Facilitator will work side-by-side with up to 4 teachers to implement the Science Techbook™ effectively, use the Science print and digital Techbook™ to meet the needs of all students in the class, and resolve challenges with the implementation of the Science Techbook™.

California Science Techbook™ - Administrator

This session is designed specifically for Administrators as they support the teachers in their buildings and district in implementing Discovery Education Science Techbook™ CA NGSS Experience. Administrators will experience the 5E Instructional Model and investigate the engaging resources embedded in Discovery Education Science Techbook™. After an exploration through the technology enhanced interactives, videos,



the Science Tools, Scientific Explanations, and Elaborate activities, both individual and collaborative opportunities are provided in order to support teachers in reflective practice.

ADDITIONAL PROFESSIONAL LEARNING

Discovery Education Professional Development offers a suite of courses focused on supporting teachers' implementation of the Next Generation Science Standards. Participants are equipped with high-yield instructional strategies and pedagogical understanding essential to designing and delivering instruction that incorporates the science and engineering practices, disciplinary core ideas, and crosscutting concepts. We provide teachers with a wide variety of immersive experiences to grow a foundational understanding of the pedagogical shift within NGSS.

The NGSS-Aligned Teacher Instruction content focuses on supporting three-dimensional teaching and learning broken up into three modules.

Teacher Module 1: Transitioning to NGSS-Aligned Instruction

Learning Targets:

- I CAN explain how NGSS redefines teaching and learning in science.
- I CAN describe how the three dimensions are connected to a Performance Expectation.
- I can plan to align an NGSS lesson with meaningful connections to authentic phenomena.

Teacher Module 2: Taking a Deeper Dive Into NGSS

Learning Targets:

- I CAN explain how NGSS-aligned instruction equips students with problem solving skills for success in future careers.
- I CAN use performance expectations to develop my students' scientific and engineering practices.
- I CAN develop a real-world challenge that is connected to an NGSS performance expectation.

Teacher Module 3: Assessing 3-Dimensional Learning

Learning Targets:

- I CAN identify and describe how the three dimensions connect and enhance a 5E lesson.
- I CAN plan an NGSS aligned lesson with various assessment strategies for data collection.
- I CAN develop NGSS classroom culture expectations to use with my students.

A Discovery Education Partner Success Manager will work with your district point of contact to determine if Module 1 or 2 will best meet the needs of the district teachers.

In order to provide teachers with instructional and content knowledge during implementation, Discovery Education will provide one (1) session of in-person professional learning selected from the NGSS-Aligned



Teacher Instruction content, followed by four (4) sessions per teacher of in-class, job-embedded instructional support*.

See Appendix A.

[*Each session of job-embedded support provides coaching for 4 teachers in one 6-hour day; therefore, 20 sessions (16 PD sessions plus the 4 gratis PD sessions with order), will provide each teacher with 4 coaching touchpoints over the course of a year.]

PARTNERSHIP INVESTMENT

Proposed Dates: TBD

Term: 8 Years

Proprietary and Confidential



Total Amount: \$142,352*

Product & Service Description	Cost Per Student	QTY	8 Year Investment
CA NGSS Science Techbook Experience MIDDLE SCHOOL (English) Premium <ul style="list-style-type: none"> • Print & Digital Bundle per student • Hands on Activity Lab kit per 30 students, 1st year only • Includes 5% over current enrollment 	\$197	616	\$121,352
CA Science Techbook Teacher Print Guide (Physics - English) <ul style="list-style-type: none"> • Grade 5: 1 per 30 students • Grades 6-8: 1 per 65 • First Year Only 		11	Included
CA Science Techbook Student Editions – English, replaced annually per student for 8 years		616	Included
CA Science Hands On Activity Lab Kit, 1 per 30 students, 1 st year only		20	Included
Discovery Education Experience – <i>Formerly known as Streaming</i>		8 Years	Included
Option for years 2-8: Discovery Education Refill Lab Kits, Grade 6		tbd	\$450 each
Option for years 2-8: Discovery Education Refill Lab Kits, Grade 7		tbd	\$550 each
Option for years 2-8: Discovery Education Refill Lab Kits, Grade 8		tbd	\$425 each
Option, One time purchase: Discovery Education Safety Kit, Grade 6, 7, 8		tbd	\$275 each
Option, One time purchase: Discovery Education Labware Kit, Grade 6		tbd	\$575 each
Option, One time purchase: Discovery Education Labware Kit, Grade 7		tbd	\$615 each
Option, One time purchase: Discovery Education Labware Kit, Grade 8		tbd	\$1,275 each
Onsite Professional Learning Days <ul style="list-style-type: none"> • Recommendation <ul style="list-style-type: none"> ○ Group Trainings x 2 Days <ul style="list-style-type: none"> ▪ Spring 2020 – <ul style="list-style-type: none"> • Using Science Techbook™ to Promote Scientific Inquiry ▪ Fall 2020 – 		2 Days	Included



<ul style="list-style-type: none"> • Extending Teaching and Learning with Science Techbook™ and the Discovery Education Experience 			
<p>Onsite Professional Learning Days: NGSS Training and On-Site Coaching</p> <ul style="list-style-type: none"> • Recommendation 1 Year Plan <ul style="list-style-type: none"> ○ Group Training x 1 day ○ Job Embedded Coaching x 6 days <ul style="list-style-type: none"> ▪ See Appendix A 		<p>7 days. \$3000 per day</p>	<p>\$21,000</p>
<p>*Local Taxes Apply</p>			



Additional Considerations

1. This proposal is for discussion purposes only. The terms and conditions set forth in this proposal shall not be binding on either party and shall have no legal force or effect until such time as the parties enter into and execute a definitive Subscriber Agreement upon mutually agreed terms. The terms herein are confidential and may not be disclosed without written consent of Discovery Education.
2. Any rates, fees, or prices offered or proposed in connection with a multiple-year agreement are subject to change unless and until a multiple-year agreement between PERRIS UNION HIGH SCHOOL DISTRICT and Discovery Education is executed.



Your Discovery Education Team

THANK YOU

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Appendix A



EXHIBIT A

Description of Professional Learning Services – NGSS-Aligned Teacher Instruction Perris Union High School District

Title/Audience	Professional Learning Components
<p>Professional Learning Session: NGSS Professional Learning</p> <p>One (1) Session (up to 6 hours)</p> <p>Audience: Up to 25 Educators</p> <p>Total: 1 PD Specialists</p>	<p>A Discovery Educational Science/STEM PD Specialist will deliver a professional development session providing teachers with a wide variety of immersive experiences to grow understanding of the pedagogical shift within NGSS.</p>
<p>NGSS Teacher Instructional Support</p> <p>Six (6) Sessions (up to 6 hours per Session)</p> <p>Audience: Maximum 4 Teachers per Session</p> <p>Total: 6 PD Specialists</p>	<p>A Discovery Education Science/STEM PD Coach will work side-by-side with the teachers to plan for instruction, implementing technology-infused NGSS-aligned lessons and learning tasks with Discovery Education digital content that are differentiated, inquiry-based and student-centered.</p>

Initials:MH

