



NEW HAVEN PUBLIC SCHOOLS  
**AGREEMENT COVER SHEET**

**Cover Sheet is an Internal Document for Business Office Use**  
**Please Type**

Contractor full name: Carolina Biological Supply Company

Business Address: 2700 York Road, Burlington, NC 27215

Business Phone: 1-800-334-5551 Sales Rep: Knans Griffing 336-266-9028

Business email: knans.griffing@carolina.com

Funding Source & Acct # including location code : ARP ESSER  
25536398-0414-55100

Principal or Supervisor: Richard Therrien, K12 Science Supervisor, Ivelise Velazquez  
Assistant Superintendent Curriculum and Instruction

Agreement Effective Dates: From 03/15/22. To 06/01/22.

Complete Set K5 Science Program (Kits) :	\$1,905,590.00
Extra Literacy Materials:	\$507,140.25
Extra Spanish Components	\$20,648.80
Complete Set Refurbishment Materials:	\$236,533.00
147 equivalent days professional development:	\$0.00
Technology & other materials:	\$0.00
Shipping/Handling:	\$160,986.58
<b>Total amount:</b>	<b><u>\$2,830,898.63</u></b>

Description of Service: Please provide a one or two sentence description of the service.

*Carolina Biological Supply Co to provide complete K5 Smithsonian Science program, including materials/kits, extra literacy materials, online resources/support, refurbishment and professional development to engage all learners and ensure students learn scientific practices, core ideas, and cross-cutting concepts.*

Submitted by: Richard Therrien, K12 Science Supervisor Phone: 475-220-1401



NEW HAVEN PUBLIC SCHOOLS

## Memorandum

**To:** New Haven Board of Education Finance and Operations Committee  
**From:** Richard Therrien, K12 Science Supervisor  
**Date:** Feb 10 (for Mar 7 Finance/Operations meeting)  
**Re:** Smithsonian Science Program (Carolina Biological)

---

Please answer all questions and attach any required documentation as indicated below. Please have someone **ready to discuss** the details of each question during the Finance & Operations meeting or this proposal might not be advanced for consideration by the full Board of Education.

1. **Contractor Name:** Carolina Biological Supply Co.  
TAX ID: 56-036-4367

2. **Description of Service:** *Carolina Biological Supply Co to provide complete K5 Smithsonian Science program, including materials/kits, extra literacy materials, online resources/support, refurbishment, and professional development to engage all learners and ensure students learn scientific practices, core ideas, and cross-cutting concepts.*

3. **Amount** of Agreement and hourly or session cost: Total amount: **\$2,830,898.63**

4. **Funding Source** and account number: ARP ESSER 25536398-0414-55100

5. Approximate number of staff served through this program or service: *450 Elementary Science Teachers plus administrators/coaches.*

6. Approximate number of students served through this program or service: *~8100 students K-5*

7. **Continuation/renewal or new Agreement?** New

**Answer all questions:**

- a. If continuation/renewal, has the cost increased? If yes, by how much? NA
- b. What would an alternative contractor cost: *Quotes from comparable programs: (without professional development factored in): Amplify Science \$3,142,280.79 , FOSS Science: \$2,552,157*
- c. If this is a continuation, when was the last time alternative quotes were requested?
- d. For new or continuation: is this a service existing staff could provide. If no, why not? *No, this is a newly developed science program/materials/technology designed to meet the new NGSS science standards, and the contractor has worked with leading science education experts at Smithsonian Center for Science Education and will be using their expertise to help NHPS implement.*

## 8. Type of Service:

### Answer all questions:

a. Professional Development? *Includes complementary professional development (148 equivalent days)*

If this is a professional development program, can the service be provided by existing staff? If no, why not? *The complementary professional development will have to provide training for building representatives, teachers, administrators, coaches, parents. There are limited number of science dept staff available, and the contractor's trainers can more easily work with teachers and schools on program implementation*

b. After School or Extended Hours Program? No

c. School Readiness or Head Start Programs? No

## 9. Contractor Classification:

### Answer all questions:

a) Is the Contractor a Minority or Women Owned Business? No

b) Is the Contractor Local? No

c) Is the Contractor a Not-for-Profit Organization? If yes, is it local or national? No

d) Is the Contractor a public corporation? *Carolina Biological Supply Company is a professional science and science education corporation founded in 1927.*

e) Is this a renewal/continuation Agreement or a new service? No

f) If it is a renewal/continuation has cost increased? If yes, by how much? NA

g) Will the output of this Agreement contribute to building internal capabilities? If yes, please explain: *This agreement will allow for the reinvigoration of the NHPS elementary science program for all students, including supports for students with special needs, English learners, literacy, math, and cross disciplinary connections. Through the adoption of this science program, students will experience 4 science units/year, engaging them in exploring real world phenomena, developing inquiry skills, figuring things out, reading and writing about their understandings, solving engineering problems, and developing the practices they need to be prepared for their future. The training will develop our elementary educators and allow them to use their skills to teach in an inquiry manner, use science notebooking, technology and hands on materials to help our students.*

## 10. Contractor Selection: In this section, please describe the selection process, including other sources considered and the rationale for selecting the contractor. Please answer all questions:

a. What specific skill set does this contractor bring to the project? Please attach a copy of the contractor's resume if an individual or link to contractor website if a company:

*Smithsonian Science for the Classroom was developed circa 2019 by leading science educators from the Smithsonian Center for Science Education to match the new Next Generation Science Standards in partnership with materials developers from Carolina Biological Supply It was field tested and revised at various sites across the country, and the contractor uses science educators to help districts implement the program.*

*<https://www.carolina.com/our-company/about-us>,*

*<https://www.smithsonianstc.com/smithsonian-science-for-the-classroom-172N7-41295L.html>*

b. How was the Contractor selected? Quotes, RFP/RFQ, Sealed Bid or Sole Source designation from the City of New Haven Purchasing Department?

*The science department used current research and consulted with other state/districts who had examined ~15 new science programs in Spring/Fall 2021. Three programs, Amplify, Smithsonian, and Foss were determined to be appropriate for NHPS needs. FOSS science was not piloted, because the company was not responsive, and it was scored much lower than the others. Amplify and Smithsonian were piloted Nov 2021-Feb 2022 in 18 NHPS classrooms across 6 schools, 3 grades, representing a diversity of students/teachers. A committee of administrators, coaches, department representatives, teachers, a parent, and community members examined both programs for criteria including science learning, student supports for English learners and others, literacy connections, relevance/engagement/equity, assessment materials and teacher support, including technology resources. The committee met 6 times, and members also reviewed materials and student work. The science supervisor and coach also observed the pilot classrooms. A teacher focus group was held to discuss the findings, and the teachers and committee members filled out a 28-question survey with comments about the two programs. The results showed that Smithsonian scored higher in most categories, including pacing and time, teacher support, literacy support and technology. The complete process and results were shared with the NHPS Executive Team and the Board of Education Teaching and Learning Committee, who approved the selection.*

b. Is the contractor the lowest bidder? If no, why? Why was this contractor selected?

*Yes. The quotes include a complete set of materials, extra Spanish and literacy materials, online resources and support. Smithsonian was the lower quote for complete adoption and refurbishment, Smithsonian also included complementary training in their quote, whereas that was not factored in for Amplify and FOSS. Smithsonian online access is unlimited, whereas Amplify/FOSS required renewal license (~\$40,000) after 7 years.*

c. Who were the members of the selection committee that scored bid applications?

*Regular Committee members that reviewed quotes include: Richard Therrien, Science Supervisor, Ivelise Velazquez, Assistant Superintendent, Heather Toothaker, Science Coach. The quote summaries also were presented to the full Executive Team.*

d. If the contractor is Sole Source, please attach a copy of the Sole Source designation letter from the City of New Haven Purchasing Department.

*Carolina Biological is the Sole Source for Smithsonian products, see attached. The City of New Haven previously designated Carolina Biological as the sole source for the precursor product (STC) from Smithsonian Science (formerly known as National Science Resource Center), SLSRC#23017x*

## **11. Evidence of Effectiveness & Evaluation**

**Answer all questions**

e. What **specific need** will this contractor address and how will the contractor's performance be measured and monitored to ensure that the need is met? *The adoption of the Smithsonian Science for the Classroom will address the need to have a comprehensive, research-based, up to date elementary science program for NHPS students. The materials will support all learners, and the hands on equipment will allow*

*students to develop their science skills and knowledge. Teachers will be able to integrate their science lessons with literacy, math and other subjects, and make it an important part of the learning experience. The training will be customized and directed by the Science Supervisor, in conjunction with the entire academic team, and be monitored by the department. There will be a single company representative who will work in partnership with NHPS staff to deliver all materials, resolve any issues, and help implement the program. Regular meetings will be held to monitor.*

- f. If this is a **renewal/continuation service** attach a copy of the evaluation or archival data that demonstrates effectiveness.

*NA, but supporting research can be found on the Smithsonian website.*

- g. How is this service aligned to the District Continuous Improvement Plan?

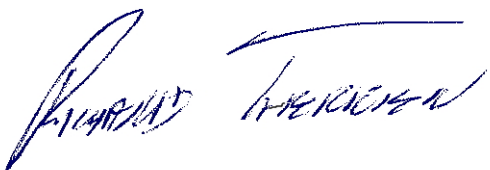
*The adoption of this program will allow NHPS to fulfill its mission to “provide students with personalized, authentic, and engaging learning experiences through creativity, exploration, innovation, critical thinking, problem-solving, and high quality instruction” It aligns with the strategic plan Priority Area of Academics to “ensure that every subject area has standards-based, culturally-relevant, developmentally appropriate, engaging curriculum that integrates social-emotional and real-world skills” as well as to “Build teacher capacity to implement curriculum through the use of purposeful, meaningful and supportive instruction that integrates social-emotional needs with a focus on rigor and relevance to students.”*

12. Why do you believe this Agreement is fiscally sound?

*This Agreement uses special grant funds to purchase materials, but also includes a great deal of professional development and support. It provides a comprehensive program to support our students and prepare them for their future.*

13. What are the implications of not approving this Agreement?

*Teachers would have to continue to rely on outdated materials and curriculum (nearly 20 years old), and have to share or rotate materials, meaning lack of opportunity to integrate with other subject areas and less support for diverse populations of students.*





NEW HAVEN PUBLIC SCHOOLS

**AGREEMENT**  
**By And Between**  
**The New Haven Board of Education**  
**AND**

**Carolina Biological Supply Company**

FOR DEPARTMENT/PROGRAM:

**Science: Smithsonian Science for the Classroom**

This Agreement entered into on the 14th day of March, 2022, effective (*no sooner than the day after Board of Education Approval*), the 15th day of March, 2022, by and between the New Haven Board of Education (herein referred to as the “Board” and, Carolina Biological Supply Company located at, 2700 York Road, Burlington, NC 27215 (herein referred to as the “Contractor”).

**Compensation:** The Board shall pay the contractor for satisfactory performance of services required as detailed in Exhibit A the amount of \$ **\$2,830,898.63**.

The maximum amount the contractor shall be paid under this agreement: Two million, eight hundred thirty thousand, eight hundred ninety eight and sixty three cents (\$ 2,830,898.63). Compensation will be made upon submission of an itemized invoice which includes a detailed description of work performed/materials delivered and date of service. See attachment for detailed cost breakdown for complete set of modules for K5 (4 per grade for 450 classrooms) (\$1,905,590.00) plus literacy extras (\$507,140.25) plus Spanish components (\$20,648.80) plus complete refurbishment set (\$236,533.00) plus complimentary materials/pd plus discounted shipping/handling (\$160,986.58) for a total of \$2,830,898.63.

Contractor’s physical products shall be shipped to locations/schools as directed by the Science Department on a mutual agreeable date no later than June 1, 2022. The Board shall provide the Contractor with a valid order, Contractor shall issue an invoice based on such order after delivery, and the Board shall provide payment to Contractor within (30) days of receipt of full invoice

**Fiscal support** for this Agreement shall be by ARP ESSER **Program** of the New Haven Board of Education, **Account Number:** 25536398-0414-55100

This agreement shall remain in effect from March 15, 2022 to June 1, 2022.

**Scope of Service:** See attachment Exhibit A for detailed proposal breakdown

Smithsonian Science was developed by the Smithsonian Science Education Center (See attachment for scope and sequence) to:

- be designed from the ground up to meet the Next Generation Science Standards
- incorporate findings from education research on how students learn
- be centered on coherent storylines with a logical flow from lesson to lesson as students work toward explaining phenomena or designing solutions to problems
- broaden access to world-class Smithsonian collections, experts, and resources
- include instructional supports to ensure all students can meet the standards
- incorporate a comprehensive assessment system to monitor student progress.

Throughout each module, relevant research-based ELL strategies are embedded. Also included are below-grade versions of the Smithsonian Science Literacy Series to support students who may not be reading at grade level. Extra readers are included, both in English and Spanish.

**The components of the Smithsonian Science Program to be provided include:**

-4 complete units per grade K-5 for 450 classrooms (1800 modules). Each unit is ~ 16 45 minute lessons. Each unit includes the comprehensive Teacher’s Guide, complete sets of hands on materials for 32 students, 16 student readers (1-5), Big books (K), 10 student activity guides (3-5). It also includes online access (in perpetuity) to complete written materials in English and Spanish, videos, simulations, assessments, and resources for teachers and students. \$1,905,590.00

-Extra literacy components in the number specified in Exhibit A, including extra on grade level readers, extra below grade level readers, Spanish readers, extra activity guides, Spanish activity guides \$507,140.25

-Spanish components for each module as needed \$20,648.80

-District/school forever online access/technology package, (\$421,110.00 value) FREE

-Extra printed teacher guides. (\$13,197.60 value) FREE

-148 equivalent days of professional development (\$266,400 value) FREE

Also provided, 148 equivalent days of professional development FREE as organized in collaboration with the Science Department. This customized professional development will include: initial training “train the trainers” for school representatives/coaches, implementation training for all teachers on all modules, advance training for teachers on connections, notebooking, and training for leadership and/or parents. See attachment for detailed options.

-One complete refurbishment set vouchers for each materials kit.  
(1800 refurbishment units)

RefurbCost: \$236,533.00

Subtotal: \$2,669,912.05

S&H \$160,986.58

**TOTAL COST: \$2,830,898.63**

These items will be delivered to schools as directed by the Science Department.

***Exhibit A: Scope of Service: Please attach contractor’s detailed Scope of Service on contractor letterhead with all costs for services including travel and supplies, if applicable.***

**Exhibit B: Student Data and Privacy Agreement: Attached**

**APPROVAL:** This Agreement must be approved by the New Haven Board of Education *prior to service start date*. Contactors may begin service no sooner than the day after Board of Education approval.

**HOLD HARMLESS:** The Contractor shall insure and/or indemnify the Board and its members, employees and agents against all claims, suits, and expenses, including reasonable attorney's fees, in connection with loss of life, bodily injury or property damage arising from any neglect act or omission of the Contractor or its employees or agents. Further, the Contractor covenants and agrees that it shall hold the Board and its members, employees and agents harmless against any and all claims, suits judgments of any description whatsoever caused by the Contractor' breach of this agreement or based upon the conduct of the Contractor, or its agents or its employees or arising out of in connection with their activities under this agreement.

**TERMINATION:** The Board may cancel this agreement for any reason upon thirty (30) days' written notice sent to the Contractor by certified U.S. mail, return receipt requested; provided however, that the Board shall be responsible to the Contractor for all services rendered by the Contractor through the last day of thirty (30) day notice period, as long as the Agreement was approved by the Board prior to the start date of service.

  
Contractor Signature

\_\_\_\_\_  
President  
New Haven Board of Education

2.14.2022  
Date

\_\_\_\_\_  
Date

James Parrish, President / CEO  
Contractor Printed Name & Title

Tax ID 56-036-4367





NEW HAVEN PUBLIC SCHOOLS

## EXHIBIT B

### STUDENT DATA PRIVACY AGREEMENT SPECIAL TERMS AND CONDITIONS

For the purposes of this Exhibit B "directory information," "de-identified student information," "school purposes," "student information," "student records," "student-generated content," and "targeted advertising" shall be as defined by Conn. Gen. Stat. §10-234aa.

1. All student records, student information, and student-generated content (collectively, "student data") provided or accessed pursuant this Agreement or any other services agreement between the Parties are not the property of, or under the control of, the Contractor.
2. The Board shall have access to and the ability to delete student data in the possession of the Contractor except in instances where such data is (A) otherwise prohibited from deletion or required to be retained under state or federal law, or (B) stored as a copy as part of a disaster recovery storage system and that is (i) inaccessible to the public, and (ii) unable to be used in the normal course of business by the Contractor. The Board may request the deletion of any such student information, student records or student-generated content if such copy has been used by the operator to repopulate accessible data following a disaster recovery. The Board may request the deletion of student data by the contractor within two (2) business days of receiving such a request and provide to the Board confirmation via electronic mail that the student data has been deleted in accordance with the request, the date of its deletion, and the manner in which it has been deleted. The confirmation shall contain a written assurance from the Contractor that proper disposal of the data has occurred in order to prevent the unauthorized access or use of student data and that deletion has occurred in accordance with industry standards/practices/protocols.
3. The Contractor shall not use student data for any purposes other than those authorized pursuant to this Agreement.
4. A student, parent or legal guardian of a student may review personally identifiable information contained in student data and correct any erroneous information, if any, in such student data. If the Contractor receives a request to review student data in the Contractor's possession directly from a student, parent, or guardian, the Contractor agrees to refer that individual to the Board and to notify the Board within two (2) business days of receiving such a request. The Contractor agrees to work cooperatively with the Board to permit a student, parent, or guardian to review personally identifiable information in student data that has been shared with the Contractor, and correct any erroneous information therein.

5. The Contractor shall take actions designed to ensure the security and confidentiality of student data.
6. The Contractor will notify the Board, in accordance with Conn. Gen. Stat. § 10-234dd, when there has been an unauthorized release, disclosure or acquisition of student data. Such notification will include the following steps:

Upon discovery by the Contractor of a breach of student data, the Contractor shall conduct an investigation and restore the integrity of its data systems and, without unreasonable delay, but not more than thirty (30) days after such discovery, shall provide the Board with a more detailed notice of the breach, including but not limited to the date and time of the breach; name(s) of the student(s) whose student data was released, disclosed or acquired; nature of and extent of the breach; and measures taken to ensure that such a breach does not occur in the future.

7. Student data shall not be retained or available to the Contractor upon expiration of the contract between the Contractor and Board, except a student, parent or legal guardian of a student may choose independently to establish or maintain an electronic account with the Contractor after the expiration of such contract for the purpose of storing student- generated content.
8. The Contractor and Board shall each ensure their own compliance with the Family Educational Rights and Privacy Act of 1974, 20 U.S.C. § 1232g, as amended from time to time.
9. The Contractor acknowledges and agrees to comply with the above and all other applicable aspects of Connecticut's Student Data Privacy law according to Connecticut General Statutes §§ 10-234aa through 10-234dd.
10. The Parties agree that this Agreement controls over any inconsistent terms or conditions contained within any other agreement entered into by the Parties concerning student data.

# Carolina Biological Supply Company

## Science Curriculum Proposal

Prepared For:

New Haven Public Schools

February 13, 2022



**Regional Sales Manager: Knans Griffing**  
Phone: 336-266-9028  
Email: [knans.griffing@carolina.com](mailto:knans.griffing@carolina.com)

**Inside Sales Rep: Atiya Merchant**  
Phone: 336-263-6930  
Email: [atiya.merchant@carolina.com](mailto:atiya.merchant@carolina.com)

**Curriculum Account Mgr: Gina Wofford**  
Phone: 336-538-6238  
Email: [gina.wofford@carolina.com](mailto:gina.wofford@carolina.com)

**Carolina Biological Supply Co.**  
2700 York Road  
Burlington, NC 27215



Carolina Biological Supply Co  
 2700 York Rd, Burlington, NC 27215  
 Call: 800.334.5551  
 Fax: 800.222.7112

Curriculum Sales Rep: **Knans Griffing**  
 Phone: 336-266-9028  
 Email: [knans.griffing@carolina.com](mailto:knans.griffing@carolina.com)  
 Date: 2/13/2022

22A

## Carolina™ Curriculum Quote Proposal

Prepared for:

Richard Therrien  
 New Haven Public Schools  
 New Haven CT 06519

**Proposal Valid Through: 4/17/2022**

**Requested Delivery Date: 5/2/2022**

Phone: 475-220-1401

Email: [richard.therrien@new-haven.k12.ct.us](mailto:richard.therrien@new-haven.k12.ct.us)

### Quote Summary

<b>Complete Unit Kits</b>	\$	1,905,590.00
Classroom Set of Lesson Manipulatives		(Included with each kit purchased)
<b>Refurbishment Vouchers</b>	\$	236,533.00
Literacy Materials	\$	507,140.25
<i>Additional</i> Component Items	\$	20,648.80
<b>Subtotal:</b>	<b>\$</b>	<b>2,669,912.05</b>
FREE Professional Development Days Value:	\$	264,600.00
Shipping & Handling Savings:	\$	83,671.09
Free-with-Order eMaterials:	\$	421,110.00
Free-with-Order Materials:	\$	13,197.60
<b>Note: In order to receive savings, please make sure to include a copy of this proposal in with your order.</b>		
<b>Total Savings:</b>	<b>\$</b>	<b>782,578.69</b>
Shipping & Handling @ 6%:	\$	160,986.58
<b>Quote Proposal Total:</b>	<b>\$</b>	<b>2,830,898.63</b>

State tax, if applicable, has not been factored into this proposal.

Item #	Description	Type	Unit Price	Qty	Extended Price
<b>Kindergarten</b>					
<i>Each Grade K kit includes a teacher guide, big book, 4 student-size books, and materials for a class of 24 students</i>					
<b>518701</b>	<b>How Can We Stay Cool in the Sun? Unit Kit</b>	KIT	\$ 672.95	70	\$ 47,106.50
518705A	<i>Keeping Cool at the Zoo, Smithsonian SS Readers, Pk/8</i>	BK	\$ 114.50	35	\$ 4,007.50
518705ASP	<i>Keeping Cool at the Zoo, Smithsonian SS Readers, Pk/8 (Spanish)</i>	BK	\$ 114.95	35	\$ 4,023.25
518725	How Can We Stay Cool in the Sun? Card Set, Spanish	CMPNT	\$ 41.95	28	\$ 1,174.60
<b>518401</b>	<b>What Do Plants and Animals Need to Live? Unit Kit</b>	KIT	\$ 613.95	70	\$ 42,976.50
518405A	<i>Wander and Wonder, Smithsonian SS Readers, Pk/8</i>	BK	\$ 114.95	35	\$ 4,023.25
518405ASP	<i>Wander and Wonder, Smithsonian SS Readers, Pk/8 (Spanish)</i>	BK	\$ 114.95	35	\$ 4,023.25
518425	What Do Plants and Animals Need to Live? Card Set, Spanish	CMPNT	\$ 29.95	28	\$ 838.60
<b>518501</b>	<b>How Can We Be Ready for Weather? Unit Kit</b>	KIT	\$ 806.95	70	\$ 56,486.50
518505A	<i>What's the Weather, Smithsonian SS Readers, Pk/8</i>	BK	\$ 114.95	35	\$ 4,023.25
518505ASP	<i>What's the Weather, Smithsonian SS Readers, Pk/8 (Spanish)</i>	BK	\$ 114.95	35	\$ 4,023.25
518525	How Can We Be Ready for the Weather? Card Set, Spanish	CMPNT	\$ 52.95	28	\$ 1,482.60
<b>518601</b>	<b>How Can We Change an Object's Motion? Unit Kit</b>	KIT	\$ 710.95	70	\$ 49,766.50
518605A	<i>Tennis Tests, Smithsonian SS Readers, Pk/8</i>	BK	\$ 114.95	35	\$ 4,023.25
518605ASP	<i>Tennis Tests, Smithsonian SS Readers, Pk/8 (Spanish)</i>	BK	\$ 114.95	35	\$ 4,023.25
518609SP	Card Sets, Motion Station, Spanish	CMPNT	\$ 7.95	28	\$ 222.60
<b>Kindergarten Subtotal</b>					<b>\$ 232,224.65</b>
<b>First Grade</b>					
<i>Each Grade 1 kit includes a teacher guide, 16 student books, and materials for a class of 32 students</i>					
<b>516301</b>	<b>How Can We Send a Message Using Sound? Unit Kit</b>	KIT	\$ 1,065.95	78	\$ 83,144.10
516305A	<i>Beats and Banjos, Smithsonian SS Reader, Pk/8 (On-Grade)</i>	BK	\$ 114.95	39	\$ 4,483.05
516306A	<i>Beats and Banjos, Smithsonian SS Reader, Pk/8 (Below-Grade)</i>	BK	\$ 114.95	95	\$ 10,920.25

516305ASP	<i>Beats and Banjos</i> , Smithsonian SS Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516325	How Can We Send a Message Using Sound? Card Set, Spanish	CMPNT	\$ 51.95	30	\$ 1,558.50
<b>516001</b>	<b>How Do Living Things Stay Safe and Grow? Unit Kit</b>	KIT	\$ 827.95	78	\$ 64,580.10
516005A	<i>Survival Stories</i> , Smithsonian SS Reader, Pk/8 (On-Grade)	BK	\$ 114.95	39	\$ 4,483.05
516006A	<i>Survival Stories</i> , Smithsonian SS Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	95	\$ 10,920.25
516005ASP	<i>Survival Stories</i> , Smithsonian SS Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516025	How Do Living Things Stay Safe and Grow? Card Set, Spanish	CMPNT	\$ 19.95	30	\$ 598.50
<b>516101</b>	<b>How Can We Predict When the Sky Will Be Dark? Unit Kit</b>	KIT	\$ 762.95	78	\$ 59,510.10
516105A	<i>Sky Patterns</i> , Smithsonian SS Reader, Pk/8 (On-Grade)	BK	\$ 114.95	39	\$ 4,483.05
516106A	<i>Sky Patterns</i> , Smithsonian SS Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	95	\$ 10,920.25
516105ASP	<i>Sky Patterns</i> , Smithsonian SS Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516125	How Can We Predict When the Sky Will Be Dark? Card Set, Spanish	CMPNT	\$ 21.95	30	\$ 658.50
<b>516201</b>	<b>How Can We Light Our Way in the Dark? Unit Kit</b>	KIT	\$ 1,107.95	78	\$ 86,420.10
516205A	<i>Shining the Light</i> , Smithsonian SS Reader, Pk/8 (On-Grade)	BK	\$ 114.95	39	\$ 4,483.05
516206A	<i>Shining the Light</i> , Smithsonian SS Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	95	\$ 10,920.25
516205ASP	<i>Shining the Light</i> , Smithsonian SS Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516225	How Can We Light Our Way in the Dark? Card Set, Spanish	CMPNT	\$ 7.95	30	\$ 238.50
<b>First Grade Subtotal</b>				<b>\$</b>	<b>375,794.00</b>

## Second Grade

*Each Grade 2 kit includes a teacher guide, 16 student books, and materials for a class of 32 students*

<b>516701</b>	<b>How Can We Stop Soil From Washing Away? Unit Kit</b>	KIT	\$ 875.95	80	\$ 70,076.00
516705A	<i>Changing Earth</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	40	\$ 4,598.00
516706A	<i>Changing Earth</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	98	\$ 11,265.10
516705ASP	<i>Changing Earth</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516725	How Can We Stop Soil From Washing Away? Card Set, Spanish	CMPNT	\$ 9.95	30	\$ 298.50
<b>516401</b>	<b>How Can We Find the Best Place for a Plant to Grow? Unit Kit</b>	KIT	\$ 939.95	80	\$ 75,196.00
516405A	<i>Blossoms, Bees, and Seeds</i> , Smithsonian SS Reader, Pk/8 (On-Grade)	BK	\$ 114.95	40	\$ 4,598.00
516406A	<i>Blossoms, Bees, and Seeds</i> , Smithsonian SS Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	98	\$ 11,265.10
516405ASP	<i>Blossoms, Bees, and Seeds</i> , Smithsonian SS Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516425	How Can We Find the Best Place for a Plant to Grow? Card Set, Spanish	CMPNT	\$ 80.95	30	\$ 2,428.50
<b>516501</b>	<b>What Can Maps Tell Us About Land and Water on Earth? Unit Kit</b>	KIT	\$ 841.95	80	\$ 67,356.00
516505A	<i>Mapping Earth</i> , Smithsonian SS Reader, Pk/8 (On-Grade)	BK	\$ 114.95	40	\$ 4,598.00
516506A	<i>Mapping Earth</i> , Smithsonian SS Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	98	\$ 11,265.10
516505ASP	<i>Mapping Earth</i> , Smithsonian SS Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516525	What Can Maps Tell Us About Land and Water on Earth? Card Set, Spanish	CMPNT	\$ 17.95	30	\$ 538.50
<b>516601</b>	<b>How Can We Change Solids and Liquids? Unit Kit</b>	KIT	\$ 825.95	80	\$ 66,076.00
516605A	<i>Art in Science</i> , Smithsonian SS Reader, Pk/8 (On-Grade)	BK	\$ 114.95	40	\$ 4,598.00
516606A	<i>Art in Science</i> , Smithsonian SS Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	98	\$ 11,265.10
516605ASP	<i>Art in Science</i> , Smithsonian SS Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516625	How Can We Change Solids and Liquids? Card Set, Spanish	CMPNT	\$ 16.95	30	\$ 508.50
<b>Second Grade Subtotal</b>				<b>\$</b>	<b>363,402.80</b>

## Third Grade

*Each Grade 3 kit includes a teacher guide, 16 student books, 10 student activity guides, and materials for a class of 32 students*

<b>517101</b>	<b>How Can We Protect Animals When Their Habitat Changes? Unit Kit</b>	KIT	\$ 1,467.95	80	\$ 117,436.00
517103	How Can We Protect Animals When Their Habitat Changes? Student Activity Guide	BK	\$ 10.95	400	\$ 4,380.00
517105A	<i>Changing Habitats</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	40	\$ 4,598.00
517106A	<i>Changing Habitats</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	98	\$ 11,265.10
517103SP	How Can We Protect Animals When Their Habitat Changes? Student Activity Guide (Spanish)	BK	\$ 10.95	304	\$ 3,328.80
517105ASP	<i>Changing Habitats</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
517125	How Can We Protect Animals When Their Habitat Changes? Card Set, Spanish	CMPNT	\$ 58.95	30	\$ 1,768.50
<b>516801</b>	<b>What Explains Similarities and Differences Between Organisms? Unit Kit</b>	KIT	\$ 1,039.95	80	\$ 83,196.00
516803	What Explains Similarities and Differences Between Organisms? Student Activity Guide	BK	\$ 10.95	400	\$ 4,380.00
516805A	<i>Patterns of Life</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	40	\$ 4,598.00

516806A	<i>Patterns of Life</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	98	\$ 11,265.10
516803SP	What Explains Similarities and Differences Between Organisms? Student Activity Guide (Spanish)	BK	\$ 10.95	304	\$ 3,328.80
516805ASP	<i>Patterns of Life</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516825	What Explains Similarities and Differences Between Organisms? Card Set, Spanish	CMPNT	\$ 24.95	30	\$ 748.50
<b>516901</b>	<b>How Do Weather and Climate Affect Our Lives? Unit Kit</b>	KIT	\$ 1,330.95	80	\$ 106,476.00
516903	How Do Weather and Climate Affect Our Lives? Student Activity Guide	BK	\$ 10.95	400	\$ 4,380.00
516905A	<i>Raindrops and Rooftops</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	40	\$ 4,598.00
516906A	<i>Raindrops and Rooftops</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	98	\$ 11,265.10
516903SP	How Do Weather and Climate Affect Our Lives? Student Activity Guide (Spanish)	BK	\$ 10.95	304	\$ 3,328.80
516905ASP	<i>Raindrops and Rooftops</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
516925	How Do Weather and Climate Affect Our Lives? Card Set, Spanish	CMPNT	\$ 18.95	30	\$ 568.50
<b>517001</b>	<b>How Can We Predict Patterns of Motion? Unit Kit</b>	KIT	\$ 1,423.95	80	\$ 113,916.00
517003	How Can We Predict Patterns of Motion? Student Activity Guide	BK	\$ 10.95	400	\$ 4,380.00
517005A	<i>Motion and Magnets</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	40	\$ 4,598.00
517006A	<i>Motion and Magnets</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	98	\$ 11,265.10
517003SP	How Can We Predict Patterns of Motion? Student Activity Guide (Spanish)	BK	\$ 10.95	304	\$ 3,328.80
517005ASP	<i>Motion and Magnets</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	38	\$ 4,368.10
517025	How Can We Predict Patterns of Motion? Card Set, Spanish	CMPNT	\$ 8.95	30	\$ 268.50
<b>Third Grade Subtotal</b>				<b>\$</b>	<b>536,138.00</b>

## Fourth Grade

*Each Grade 4 kit includes a teacher guide, 16 student books, 10 student activity guides, and materials for a class of 32 students*

<b>517501</b>	<b>How Can We Provide Energy to People's Homes? Unit Kit</b>	KIT	\$ 1,529.95	73	\$ 111,686.35
517503	How Can We Provide Energy to People's Homes? Student Activity Guide	BK	\$ 10.95	370	\$ 4,051.50
517505A	<i>Everyday Energy</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	37	\$ 4,253.15
517506A	<i>Everyday Energy</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	95	\$ 10,920.25
517503SP	How Can We Provide Energy to People's Homes? Student Activity Guide (Spanish)	BK	\$ 10.95	280	\$ 3,066.00
517505ASP	<i>Everyday Energy</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	35	\$ 4,023.25
517525	How Can We Provide Energy to People's Homes? Card Set, Spanish	CMPNT	\$ 22.95	25	\$ 573.75
<b>517201</b>	<b>How Can Animals Use Their Senses to Communicate? Unit Kit</b>	KIT	\$ 1,081.95	73	\$ 78,982.35
517203	How Can Animals Use Their Senses to Communicate? Student Activity Guide	BK	\$ 10.95	370	\$ 4,051.50
517205A	<i>Sending Signals</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	37	\$ 4,253.15
517206A	<i>Sending Signals</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	95	\$ 10,920.25
517203SP	How Can Animals Use Their Senses to Communicate? Student Activity Guide (Spanish)	BK	\$ 10.95	280	\$ 3,066.00
517205ASP	<i>Sending Signals</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	35	\$ 4,023.25
517225	How Can Animals Use Their Senses to Communicate? Card Set, Spanish	CMPNT	\$ 41.95	25	\$ 1,048.75
<b>517301</b>	<b>What Is Our Evidence That We Live on a Changing Earth? Unit Kit</b>	KIT	\$ 1,249.95	73	\$ 91,246.35
517303	What Is Our Evidence That We Live on a Changing Earth? Student Activity Guide	BK	\$ 10.95	370	\$ 4,051.50
517305A	<i>Rock Stories</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	37	\$ 4,253.15
517306A	<i>Rock Stories</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	95	\$ 10,920.25
517303SP	What Is Our Evidence That We Live on a Changing Earth? Student Activity Guide (Spanish)	BK	\$ 10.95	280	\$ 3,066.00
517305ASP	<i>Rock Stories</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	35	\$ 4,023.25
517325	What Is Our Evidence That We Live on a Changing Earth? Card Set, Spanish	CMPNT	\$ 41.95	25	\$ 1,048.75
<b>517401</b>	<b>How Does Motion Energy Change in a Collision? Unit Kit</b>	KIT	\$ 1,577.95	73	\$ 115,190.35
517403	How Does Motion Energy Change in a Collision? Student Activity Guide	BK	\$ 10.95	370	\$ 4,051.50
517405A	<i>Speed Bumps</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	37	\$ 4,253.15

517406A	<i>Speed Bumps</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	95	\$ 10,920.25
517403SP	How Does Motion Energy Change in a Collision? Student Activity Guide (Spanish)	BK	\$ 10.95	280	\$ 3,066.00
517405ASP	<i>Speed Bumps</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	35	\$ 4,023.25
517412SP	Spanish, Card Set, ECC, Energy St, Set/6	CMPNT	\$ 4.95	25	\$ 123.75
<b>Fourth Grade Subtotal</b>				<b>\$</b>	<b>505,157.00</b>

### Fifth Grade

*Each Grade 5 kit includes a teacher guide, 16 student books, 10 student activity guides, and materials for a class of 32 students*

<b>517901</b>	<b>How Can We Provide Freshwater to Those in Need? Unit Kit</b>	KIT	\$ 1,257.95	69	\$ 86,798.55
517903	How Can We Provide Freshwater to Those in Need? Student Activity Guide	BK	\$ 10.95	340	\$ 3,723.00
517905A	<i>Water Works</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	34	\$ 3,908.30
517906A	<i>Water Works</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	92	\$ 10,575.40
517903SP	How Can We Provide Freshwater to Those in Need? Student Activity Guide (Spanish)	BK	\$ 10.95	248	\$ 2,715.60
517905ASP	<i>Water Works</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	31	\$ 3,563.45
517925	How Can We Provide Freshwater to Those in Need? Card Set, Spanish	CMPNT	\$ 24.95	22	\$ 548.90
<b>517601</b>	<b>How Can We Predict Change in Ecosystems? Unit Kit</b>	KIT	\$ 976.95	69	\$ 67,409.55
517603	How Can We Predict Change in Ecosystems? Student Activity Guide	BK	\$ 10.95	340	\$ 3,723.00
517605A	<i>Go With the Flow</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	34	\$ 3,908.30
517606A	<i>Go With the Flow</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	92	\$ 10,575.40
517603SP	How Can We Predict Change in Ecosystems? Student Activity Guide (Spanish)	BK	\$ 10.95	248	\$ 2,715.60
517605ASP	<i>Go With the Flow</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	31	\$ 3,563.45
517625	How Can We Predict Change in Ecosystems? Card Set, Spanish	CMPNT	\$ 55.95	22	\$ 1,230.90
<b>517701</b>	<b>How Can We Use the Sky to Navigate? Unit Kit</b>	KIT	\$ 1,149.95	69	\$ 79,346.55
517703	How Can We Use the Sky to Navigate? Student Activity Guide	BK	\$ 10.95	340	\$ 3,723.00
517705A	<i>Sailing Under the Stars</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	34	\$ 3,908.30
517706A	<i>Sailing Under the Stars</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	92	\$ 10,575.40
517703SP	How Can We Use the Sky to Navigate? Student Activity Guide (Spanish)	BK	\$ 10.95	248	\$ 2,715.60
517705ASP	<i>Sailing Under the Stars</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	31	\$ 3,563.45
517725	How Can We Use the Sky to Navigate? Card Set, Spanish	CMPNT	\$ 46.95	22	\$ 1,032.90
517712SP	Spanish, User Guide, SNV, Star, Pk/16	CMPNT	\$ 39.95	22	\$ 878.90
517713SP	Spanish, Card Set, SNV, Use Ship, Pk/16	CMPNT	\$ 7.95	22	\$ 174.90
517714SP	Spanish, Card Set, SNV, Sail To Peru, Pk/2	CMPNT	\$ 3.95	22	\$ 86.90
<b>517801</b>	<b>How Can We Identify Materials Based on Their Properties? Unit Kit</b>	KIT	\$ 1,234.95	69	\$ 85,211.55
517803	How Can We Identify Materials Based on Their Properties? Student Activity Guide	BK	\$ 10.95	340	\$ 3,723.00
517805A	<i>What's Cooking?</i> , Smithsonian Science Stories Reader, Pk/8 (On-Grade)	BK	\$ 114.95	34	\$ 3,908.30
517806A	<i>What's Cooking?</i> , Smithsonian Science Stories Reader, Pk/8 (Below-Grade)	BK	\$ 114.95	92	\$ 10,575.40
517803SP	How Can We Identify Materials Based on Their Properties? Student Activity Guide (Spanish)	BK	\$ 10.95	248	\$ 2,715.60
517805ASP	<i>What's Cooking?</i> , Smithsonian Science Stories Reader, Pk/8 (Spanish)	BK	\$ 114.95	31	\$ 3,563.45
<b>Fifth Grade Subtotal</b>				<b>\$</b>	<b>420,662.60</b>

### Refurbishment Vouchers

518704DV	How Can We Stay Cool in the Sun? 1-Use Refurbishment Voucher	VRFB	\$ 136.95	70	\$ 9,586.50
518404DV	What Do Plants and Animals Need to Live? 1-Use Refurbishment Voucher	VRFB	\$ 64.95	70	\$ 4,546.50
518504DV	How Can We Be Ready for Weather? 1-Use Refurbishment Voucher	VRFB	\$ 41.95	70	\$ 2,936.50
518604DV	How Can We Change an Object's Motion? 1-Use Refurbishment Voucher	VRFB	\$ 160.95	70	\$ 11,266.50
516304DV	How Can We Send a Message Using Sound? Refurbishment Voucher	VRFB	\$ 252.95	78	\$ 19,730.10
516004DV	How Do Living Things Stay Safe and Grow? Refurbishment Voucher	VRFB	\$ 140.95	78	\$ 10,994.10
516104DV	How Can We Predict When the Sky Will Be Dark? Refurbishment Voucher	VRFB	\$ 45.95	78	\$ 3,584.10
516204DV	How Can We Light Our Way in the Dark? Refurbishment Voucher	VRFB	\$ 72.95	78	\$ 5,690.10
516704DV	How Can We Stop Soil From Washing Away? Refurbishment Voucher	VRFB	\$ 144.95	80	\$ 11,596.00
516404DV	How Can We Find the Best Place for a Plant to Grow? Refurbishment Voucher	VRFB	\$ 78.95	80	\$ 6,316.00

516504DV	What Can Maps Tell Us About Land and Water on Earth? Refurbishment Voucher	VRFB	\$ 152.95	80	\$ 12,236.00
516604DV	How Can We Change Solids and Liquids? Refurbishment Voucher	VRFB	\$ 79.95	80	\$ 6,396.00
517104DV	How Can We Protect Animals When Their Habitat Changes? Refurbishment Voucher	VRFB	\$ 386.95	80	\$ 30,956.00
516804DV	What Explains Similarities and Differences Between Organisms? Refurbishment Voucher	VRFB	\$ 134.95	80	\$ 10,796.00
516904DV	How Do Weather and Climate Affect Our Lives? Refurbishment Voucher	VRFB	\$ 87.95	80	\$ 7,036.00
517004DV	How Can We Predict Patterns of Motion? Refurbishment Voucher	VRFB	\$ 16.95	80	\$ 1,356.00
517504DV	How Can We Provide Energy to People's Homes? Refurbishment Voucher	VRFB	\$ 95.95	73	\$ 7,004.35
517204DV	How Can Animals Use Their Senses to Communicate? Refurbishment Voucher	VRFB	\$ 91.95	73	\$ 6,712.35
517304DV	What Is Our Evidence That We Live on a Changing Earth? Refurbishment Voucher	VRFB	\$ 203.95	73	\$ 14,888.35
517404DV	How Does Motion Energy Change in a Collision? Refurbishment Voucher	VRFB	\$ 68.95	73	\$ 5,033.35
517904DV	How Can We Provide Freshwater to Those in Need? Refurbishment Voucher	VRFB	\$ 162.95	69	\$ 11,243.55
517604DV	How Can We Predict Change in Ecosystems? Refurbishment Voucher	VRFB	\$ 97.95	69	\$ 6,758.55
517704DV	How Can We Use the Sky to Navigate? Refurbishment Voucher	VRFB	\$ 283.95	69	\$ 19,592.55
517804DV	How Can We Identify Materials Based on Their Properties? Refurbishment Voucher	VRFB	\$ 148.95	69	\$ 10,277.55

**Refurbishment Subtotal \$ 236,533.00**

**With purchase of the above materials you will receive the following at no charge.**

Description	Unit Value	Qty	Extended Value
How Can We Stay Cool in the Sun? Technology Package	\$ 233.95	70	\$ 16,376.50
What Do Plants and Animals Need to Live? Technology Package	\$ 233.95	70	\$ 16,376.50
How Can We Be Ready for Weather? Technology Package	\$ 233.95	70	\$ 16,376.50
How Can We Change an Object's Motion? Technology Package	\$ 233.95	70	\$ 16,376.50
How Can We Send a Message Using Sound? Technology Package	\$ 233.95	78	\$ 18,248.10
How Do Living Things Stay Safe and Grow? Technology Package	\$ 233.95	78	\$ 18,248.10
How Can We Predict When the Sky Will Be Dark? Technology Package	\$ 233.95	78	\$ 18,248.10
How Can We Light Our Way in the Dark? Technology Package	\$ 233.95	78	\$ 18,248.10
How Can We Stop Soil From Washing Away? Technology Package	\$ 233.95	80	\$ 18,716.00
How Can We Find the Best Place for a Plant to Grow? Technology Package	\$ 233.95	80	\$ 18,716.00
What Can Maps Tell Us About Land and Water on Earth? Technology Package	\$ 233.95	80	\$ 18,716.00
How Can We Change Solids and Liquids? Technology Package	\$ 233.95	80	\$ 18,716.00
How Can We Protect Animals When Their Habitat Changes? Technology Package	\$ 233.95	80	\$ 18,716.00
What Explains Similarities and Differences Between Organisms? Technology Package	\$ 233.95	80	\$ 18,716.00
How Do Weather and Climate Affect Our Lives? Technology Package	\$ 233.95	80	\$ 18,716.00
How Can We Predict Patterns of Motion? Technology Package	\$ 233.95	80	\$ 18,716.00
How Can We Provide Energy to People's Homes? Technology Package	\$ 233.95	73	\$ 17,078.35
How Can Animals Use Their Senses to Communicate? Technology Package	\$ 233.95	73	\$ 17,078.35
What Is Our Evidence That We Live on a Changing Earth? Technology Package	\$ 233.95	73	\$ 17,078.35
How Does Motion Energy Change in a Collision? Technology Package	\$ 233.95	73	\$ 17,078.35
How Can We Provide Freshwater to Those in Need? Technology Package	\$ 233.95	69	\$ 16,142.55
How Can We Predict Change in Ecosystems? Technology Package	\$ 233.95	69	\$ 16,142.55
How Can We Use the Sky to Navigate? Technology Package	\$ 233.95	69	\$ 16,142.55
How Can We Identify Materials Based on Their Properties? Technology Package	\$ 233.95	69	\$ 16,142.55
518702 How Can We Stay Cool in the Sun? Teacher Guide	\$ 274.95	2	\$ 549.90
518402 What Do Plants and Animals Need to Live? Teacher Guide	\$ 274.95	2	\$ 549.90
518502 How Can We Be Ready for Weather? Teacher Guide	\$ 274.95	2	\$ 549.90



518602	How Can We Change an Object's Motion? Teacher Guide	\$ 274.95	2	\$ 549.90
516302	How Can We Send a Message Using Sound? Teacher Guide	\$ 274.95	2	\$ 549.90
516002	How Do Living Things Stay Safe and Grow? Teacher Guide	\$ 274.95	2	\$ 549.90
516102	How Can We Predict When the Sky Will Be Dark? Teacher Guide	\$ 274.95	2	\$ 549.90
516202	How Can We Light Our Way in the Dark? Teacher Guide	\$ 274.95	2	\$ 549.90
516702	How Can We Stop Soil From Washing Away? Teacher Guide	\$ 274.95	2	\$ 549.90
516402	How Can We Find the Best Place for a Plant to Grow? Teacher Guide	\$ 274.95	2	\$ 549.90
516502	What Can Maps Tell Us About Water on Earth? Teacher Guide	\$ 274.95	2	\$ 549.90
516602	How Can We Change Solids and Liquids? Teacher Guide	\$ 274.95	2	\$ 549.90
517102	How Can We Protect Animals When Their Habitat Changes? Teacher Guide	\$ 274.95	2	\$ 549.90
516802	What Explains Similarities and Differences Between Organisms? Teacher Guide	\$ 274.95	2	\$ 549.90
516902	How Do Weather and Climate Affect Our Lives? Teacher Guide	\$ 274.95	2	\$ 549.90
517002	How Can We Predict Patterns of Motion? Teacher Guide	\$ 274.95	2	\$ 549.90
517502	How Can We Provide Energy to People's Homes? Teacher Guide	\$ 274.95	2	\$ 549.90
517202	How Can Animals Use Their Senses to Communicate? Teacher Guide	\$ 274.95	2	\$ 549.90
517302	What Is Our Evidence That We Live on a Changing Earth? Teacher Guide	\$ 274.95	2	\$ 549.90
517402	How Does Motion Energy Change in a Collision? Teacher Guide	\$ 274.95	2	\$ 549.90
517902	How Can We Provide Freshwater to Those in Need? Teacher Guide	\$ 274.95	2	\$ 549.90
517602	How Can We Predict Change in Ecosystems? Teacher Guide	\$ 274.95	2	\$ 549.90
517702	How Can We Use the Sky to Navigate? Teacher Guide	\$ 274.95	2	\$ 549.90
517802	How Can We Identify Materials Based on Their Properties? Teacher Guide	\$ 274.95	2	\$ 549.90
<b>ProDev1</b>	<b>Professional Development (1 day/1 trainer)</b>	\$ 1,800.00	147	\$ 264,600.00

**Notes:**

1. Technology packages included with order provide teacher and student access to titles listed above Carolina Science Online. Additional technology integration and support services are available.
2. Professional development is on-site and customized to meet the needs of your educators.

## Life Science

## Earth and Space Science

## Physical Science

## Engineering Design

### Kindergarten

**How Do Living Things Get What They Need From the Environment?\***

K-LS1-1 • K-ESS3-1 • K-ESS2-2 • K-ESS3-3

**How Can We Prepare for the Weather?\***

K-ESS2-1 • K-ESS3-2 • K-PS3-1

**How Can We Change an Object's Motion?\***

K-PS2-1 • K-PS2-2 • K-2-ETS1-3

**How Can We Stay Cool in the Sun?\***

K-PS3-1 • K-PS3-2 • K-2-ETS1-1 • K-2-ETS1-2 • K-2-ETS1-3

### Grade 1

**How Do Living Things Stay Safe and Grow?**

1-LS1-1 • 1-LS1-2 • 1-LS3-1 • K-2-ETS1-1

**How Can We Predict When the Sky Will Be Dark?**

1-ESS1-1 • 1-ESS1-2 • 1-PS4-2

**How Can We Light Our Way in the Dark?**

1-PS4-2 • 1-PS4-3 • 1-LS1-1 • K-2-ETS1-1

**How Can We Send a Message Using Sound?**

K-2-ETS1-1 • K-2-ETS1-2 • K-2-ETS1-3 • 1-PS4-1 • 1-PS4-4

### Grade 2

**How Can We Find the Best Place for a Plant to Grow?**

2-LS2-1 • 2-LS2-2 • 2-LS4-1 • K-2-ETS1-1

**What Can Maps Tell Us About Land and Water on Earth?**

2-ESS2-2 • 2-ESS2-3 • 2-PS1-1

**How Can We Change Solids and Liquids?**

2-PS1-1 • 2-PS1-2 • 2-PS1-3 • 2-PS1-4 • K-2-ETS1-1

**How Can We Stop Soil From Washing Away?**

K-2-ETS1-1 • K-2-ETS1-2 • K-2-ETS1-3 • 2-ESS1-1 • 2-ESS2-1

### Grade 3

**What Explains Similarities and Differences Between Organisms?**

3-LS1-1 • 3-LS3-1 • 3-LS3-2 • 3-LS4-2 • 3-ESS2-2

**How Do Weather and Climate Affect Our Lives?**

3-ESS2-1 • 3-ESS2-2 • 3-ESS3-1 • 3-5-ETS1-1

**How Can We Predict Patterns of Motion?**

3-PS2-1 • 3-PS2-2 • 3-PS2-3 • 3-PS2-4 • 3-5-ETS1-1

**How Can We Protect Animals When Their Habitat Changes?**

3-5-ETS1-1 • 3-5-ETS1-2 • 3-5-ETS1-3 • 3-LS2-1 • 3-LS4-1 • 3-LS4-3 • 3-LS4-4

### Grade 4

**How Can Animals Use Their Senses to Communicate?**

4-LS1-1 • 4-LS1-2 • 4-PS4-2 • 4-PS4-3 • 3-5-ETS1-1

**What Is Our Evidence That We Live on a Changing Earth?**

4-ESS1-1 • 4-ESS2-1 • 4-ESS2-2 • 4-ESS3-2 • 4-PS4-1 • 3-5-ETS1-1

**How Does Motion Energy Change in a Collision?**

4-PS3-1 • 4-PS3-2 • 4-PS3-3 • 4-LS1-1 • 3-5-ETS1-1

**How Can We Provide Energy to People's Homes?**

3-5-ETS1-1 • 3-5-ETS1-2 • 3-5-ETS1-3 • 4-PS3-2 • 4-PS3-4 • 4-ESS3-1

### Grade 5

**How Can We Predict Change in Ecosystems?**

5-LS1-1 • 5-LS2-1 • 5-PS1-1 • 5-PS3-1

**How Can We Use the Sky to Navigate?**

5-ESS1-1 • 5-ESS1-2 • 5-PS2-1 • 3-5-ETS1-1

**How Can We Identify Materials Based on Their Properties?**

5-PS1-1 • 5-PS1-2 • 5-PS1-3 • 5-PS1-4 • 5-LS1-1

**How Can We Provide Freshwater to Those in Need?**

3-5-ETS1-1 • 3-5-ETS1-2 • 3-5-ETS1-3 • 5-ESS2-1 • 5-ESS2-2 • 5-ESS3-1

\*Working titles. Final modules available 2021.

# Menu of Professional Development Opportunities

The chart below lists available professional development sessions. During your partnership planning meeting, select from these options to customize your professional development progression.

Implementation	Advancing	Sustaining
Trainer of Trainers: Program Components, Philosophy, 5E Model, Pedagogy, and Teaching Strategies	Trainer of Trainers: NGSS, Engineering Design, and Authentic Assessments	Trainer of Trainers: Seminars by Experts (attend a workshop at a state or regional conference)
Science and Literacy Strategies—Using Informational Text	Implementing—Self-Assessment	NGSS 3-Dimensional Learning Model Lessons: Beginning & Intermediate
Content-Specific Background and Misconceptions	Engineering Design	Advanced Content Knowledge
Authentic Notebooking	Interactive Notebooking	Assessing Through Notebooks
Inquiry and Argument (CER)	Evidence-Based Conclusions	Engineering Projects
Differentiation Strategies	Meeting the Needs of All Students	How to Assess Projects
Science and Mathematics Integration Strategies	Use of Informational Text to Assess Learning	Use of Informational Text to Assess Learning
Materials Management Strategies	Cooperative Grouping	Classroom Management Strategies
Seamless Technology—Using CarolinaScienceOnline.com	Technology Updates	Technology Updates
Curriculum Mapping—Unit Pacing and Lesson Planning	Lesson Planning—Integrating Science Instruction with Math and Literacy	Lesson Planning with Additional Resources
Administrator Training—Program Implementation, Best Practices in Inquiry-Based Science Instruction	Administrator Training—Assessing NGSS Science	Administrator Training—Time Management and Inquiry-Based Science Instruction

For more information about professional development, contact us at [curriculum@carolina.com](mailto:curriculum@carolina.com)



**Smithsonian**  
*Science Education Center*

January 10, 2022

Mr. James Parrish  
President and CEO  
Carolina Biological Supply Company  
2700 York Road  
Burlington, North Carolina 27215

Dear Mr. Parrish:

The purpose of this letter is to confirm that Carolina Biological Supply Company is the exclusive publisher and licensed distributor of the Smithsonian Science Education Center (SSEC) programs for K-12 Science and Technology Concepts™ (STC and STCMS) and Smithsonian Science for the Classroom™. Carolina Biological Supply Company is the only company to collaborate with the SSEC in developing these units. The SSEC worked closely with Carolina Biological Supply Company in selecting and designing materials that meet the performance and durability requirements for each STC™ and Smithsonian Science for the Classroom™ unit. When teachers implement the STC™ and Smithsonian Science for the Classroom™ programs, it is important for them to use materials that meet these requirements, because even a slight variation in an item may affect the results of a classroom science activity.

Carolina Biological Supply Company is the only company licensed to sell the programs' Teacher Guides, Student Guides, and Student Investigation Books. The kit materials offered by Carolina Biological Supply Company meet all the requirements of our science units. Any kit materials offered by other suppliers have not been reviewed or approved by the SSEC.

The SSEC values its partnership with Carolina Biological Supply Company in producing the STC™, STCMS™, and Smithsonian Science for the Classroom™ programs. We look forward to continuing to bring high quality, inquiry-centered science education materials to school districts across the nation.

Sincerely,

Dr. Carol L. O'Donnell  
Director, Smithsonian Science Education Center