

**AGREEMENT COVER SHEET  
TO BE COMPLETED BY DISTRICT EMPLOYEE**

**PLEASE ATTACH TO AGREEMENT  
PLEASE TYPE**

**CONTRACTOR FULL NAME:** Dr. Heidi Gold-Dworkin

**DOING BUSINESS AS, IF APPLICABLE:** Little Scientists \_\_\_\_

**BUSINESS ADDRESS:** 25 Higgins Drive, Milford, CT 06460

**BUSINESS PHONE:** 203-783-1114

**BUSINESS EMAIL:** Dr Heidi@Little-Scientists.com

**Funding Source & Acct # including location code:** 2552-6363-56697-0100

**SS# OR TAX ID #:** 06-1416166

**PREPARED BY:** Karen Lorde

**PRINCIPAL OR SUPERVISOR:** Iline Tracey

**AGREEMENT EFFECTIVE DATES:** From July 1, 2023, To August 30, 2023.

**HOURLY/ DAY/or PER SESSION RATE:** \$225 /lesson (216 lessons for 4 weeks at 12 sites

8am – 1:00pm

Bishop Woods  
Conte West Hills  
Fair Haven  
Hill Central  
King Robinson  
John Martinez

9:00am – 2:00pm

Clinton Ave  
Obama  
Truman  
Benjamin Jepson  
Davis Street  
Troup

**TOTAL AMOUNT:** \$48,600

**DESCRIPTION OF SERVICE:**

Little Scientist will provide Kindergarten and 1<sup>st</sup>-grade students with hands-on science lessons weekly throughout the duration of the summer program. The Little Scientists Program includes the science curriculum, durable and consumable materials, student booklets, science notebooks, pre-and post-assessments, and Little Scientists certified instructors.

Submitted by: Karen Lorde \_\_\_\_ Phone: 475-220-5600 \_\_\_\_\_

# Memorandum

**To:** New Haven Board of Education Finance and Operations Committee  
**From:** Karen Lorde  
**Date:** June 6, 2023  
**Re:** Little Scientist

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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:** Little Scientist

**Description of Service:** Little Scientist will provide Kindergarten and 1<sup>st</sup>-grade students with hands-on science lessons weekly throughout the duration of the New Haven Summer program. The Little Scientists Program includes the science curriculum, durable and consumable materials, student booklets, science notebooks, pre-and post-assessments, and Little Scientists certified instructors.

2. **Amount of Agreement and hourly or session cost:**

\$225 per session for 216 sessions at 12 sites

Total amount: \$46,800

8am – 1:00pm

Bishop Woods  
Conte West Hills  
Fair Haven  
Hill Central  
King Robinson  
John Martinez

9:00am – 2:00pm

Clinton Ave  
Obama  
Truman  
Benjamin Jepson  
Davis Street  
Troup

3. **Funding Source** and account number: 2553-6363-56697-0100

4. The approximate number of staff served through this program or service: 12

5. The approximate number of students served through this program or service: 900 students

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

**Answer all questions:**

- a. If continuation/renewal, has the cost increased? If yes, by how much? N/A
- b. What would an alternative contractor cost: There is no alternative contractor for the onsite work provided here.
- c. If this is a continuation, when was the last time alternative quotes were requested? N/A
- d. For new or continuation: is this a service existing staff could provide? If not, why not? No. We do not currently have a provider for science instruction for our kindergarten and first-grade school students.

**7. Type of Service:**

**Answer all questions:**

- a. Professional Development? - No
  - i. If this is a professional development program, can the service be provided by existing staff?  
If not, why not?
- b. After School or Extended Hours Program? - No
- c. School Readiness or Head Start Programs? – No
- d. Other: (Please describe)

**8. Contractor Classification:**

**Answer all questions:**

- a. Is the Contractor a Minority or Women Owned Business? Yes
- b. Is the Contractor Local? Yes
- c. Is the Contractor a Not-for-Profit Organization? If yes, is it local or national? Little Scientists has an affiliated non-profit “Great Science For All”.
- d. Is the Contractor a public corporation? No
- e. Is this a renewal/continuation Agreement or a new service? New Service
- f. If it is a renewal/continuation has the cost increased? If yes, by how much? NA
- g. Will the output of this Agreement contribute to building internal capabilities? If yes, please explain: Yes – classroom teachers will be mentored to learn the Little Scientists Curriculum.

**9. 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 a link to the contractor’s website if a company: Little to Great Scientists is an international leader in early childhood, elementary, middle, and high school science education. <https://littletogreatscientists.com/>
- b. How was the Contractor selected? Quotes, RFP/RFQ, Sealed Bid, or Sole Source designation from the City of New Haven Purchasing Department? – This contractor was selected because of their continued commitment to NHPS. They possess the knowledge base, resources, and motivation to support hands-on science education in New Haven. No other contractors were considered for this partnership.
- c. Is the contractor the lowest bidder? If not, why? Why was this contractor selected? Yes, This contractor was selected because of their unique expertise in hands-on science learning and their continued commitment to New Haven Public Schools. They possess the knowledge and resources to support science learning at our 12 summer sites.
- d. Who were the members of the selection committee that scored bid applications? N/A
- e. If the contractor is Sole Source, please attach a copy of the Sole Source designation letter from the City of New Haven Purchasing Department. N/A

**10. Evidence of Effectiveness & Evaluation**

**Answer all questions**

- a. 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? Pre and Post tests are given to students based on the science skills which they are taught.

- b. If this is a **renewal/continuation service** attach a copy of the evaluation or archival data that demonstrates effectiveness.
- c. How is this service aligned with the District's Continuous Improvement Plan? Yes, the students will be exposed to a wide variety of engaging hands-on science experiments.

11. Why do you believe this Agreement is fiscally sound? This agreement is fiscally sound because it provides a comprehensive service to our students including an instructor, assessments, and materials that will be exposed them to a wide variety of engaging science experiences that will increase their science skills, critical thinking and problem-solving skills, as well as basic literacy and mathematic skills. Most importantly this program helps students to develop a passion for lifelong learning.

What are the implications of not approving this Agreement? Students will not have equitable access to STEM-based enrichment opportunities and completing experiments with Hands-on science.

# AGREEMENT

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

**Little Scientists**

**FOR DEPARTMENT/PROGRAM:**

**New Haven Summer School Programming**

This Agreement entered into on the 1st day of July 2023 effective (no sooner than the day after Board of Education Approval), the 5th day of July 2022, by and between the New Haven Board of Education (herein referred to as the “Board”) and, Little Scientists **located** 25 Higgins Drive, **Milford, CT 06460** (herein referred to as the “Contractor”).

**Compensation:** The Board shall pay the contractor for satisfactory performance of services required in the amount of **\$225 per lesson** for 216 lessons for 4 weeks at 12 sites. The maximum amount the contractor shall be paid under this agreement: Forty-eight thousand and six hundred dollars, (\$48,600). Compensation will be made upon submission of an itemized invoice including a detailed description of work performed and service date.

**Fiscal support** for this Agreement shall be by the ARP ESSER III Carryover Program of the New Haven Board of Education, **Account Number:** 2553-6399-56697-0100

This agreement shall remain in effect from July 1, 2023 to August 30, 2023.

## **SCOPE OF SERVICE:**

***Little Scientists® as a Community Partner with New Haven Public Schools will provide the science component to K and 1<sup>st</sup>-grade students during the Summer!***

Little Scientists® is excited to continue its partnership with New Haven Public Schools by providing I-STEM programming at 12 New Haven schools during the summer. Engaging Science programming will take place this summer at all summer sites. The academic goal of the Little Scientists® Program will be to use the excitement of scientific investigations to engage students in improving literacy, mathematics, critical thinking, scientific, and problem-solving skills. The Little Scientists® Curriculum Program follows scientific-based research that ensures students meet academic goals as defined in the New Haven Public School Curriculum, the Connecticut State Science Standards, Common Core State Standards, and the Next Generation National Science Education Standards. Each class will follow Little Scientists® Curriculum utilizing the Little Scientists® teacher’s manual which is aligned with the City of New Haven’s Science curriculum. All hands-on, minds-on, inquiry & practice-based science materials will be supplied by Little Scientists®. Students will spend 45 minutes /day performing hands-on, minds-on, inquiry & practice-based science experiments and investigations.

**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 Privacy - attached

**Exhibit C:** Contractor’s Declaration Attesting to Compliance with Executive Order No. 13G – form must be completed by the contractor. See attached form for contractors who are working with students or staff in school or in after school programs, regardless of location.

**APPROVAL:** This Agreement must be approved by the New Haven Board of Education **prior to service date**. Contractors **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 negligent 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 claims, suits judgments of any description whatsoever caused by the Contractor’s 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 before the start date of service.

Dr. Heidi Gold  
Contractor Signature

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

5/30/2023  
Date

\_\_\_\_\_  
Date

Dr. Heidi Gold, CEO  
Contractor Printed Name & Title

## **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.





## Scope of Services

*Little Scientists® as a Community Partner with New Haven Public Schools will provide the science component to K and 1<sup>st</sup> grade students during the Summer!*

Little Scientists® is excited to continue its partnership with New Haven Public Schools by providing I-STEM programming at 12 New Haven schools during the summer. Engaging Science programming will take place this summer at all summer sites. The academic goal of the Little Scientists® Program will be to use the excitement of scientific investigations to engage students in improving literacy, mathematics, critical thinking, scientific, and problem-solving skills. The Little Scientists® Curriculum Program follows scientific-based research that ensures students meet academic goals as defined in the New Haven Public School Curriculum, the Connecticut State Science Standards, Common Core State Standards, and the Next Generation National Science Education Standards. Each class will follow Little Scientists® Curriculum utilizing the Little Scientists® teacher's manual which is aligned to the City of New Haven's Science curriculum. All hands-on, minds-on, inquiry & practice-based science materials will be supplied by Little Scientists®. Students will spend 45 minutes /day performing hands-on, minds-on, inquiry & practice-based science experiments and investigations.

Student achievement will be determined on an individual basis using the following criteria: pre and post science assessment, participation in the investigations, completing science notebooks, making claims, asking inquiring questions, making observations, recording evidence as data, detailing reasoning, completing "hands-on/minds-on" experiments, showing interest in science and learning in general, and communicating their findings to fully explain their claims. There is a home-school connection to the program where students will always take home a project they make, and a booklet that summarizes each lesson. The booklet contains a related experiment they can perform at home.

Little Scientists has worked with New Haven's students and teachers since 1998 as part of several evaluated school and summer programs. Rigorous evaluations by "the 21st Century" after school program have continuously validated this program over the last 15 years. The effectiveness of the Little Scientists Program in improving student academic performance in science has been well documented (see <http://www.little-scientists.com/LittleScientistsImprovesScores.pdf>). These results show that school districts that have used Little Scientists programs have increased science scores on standardized tests. Summer programs using a pre/post test model in New Haven schools show overall a 30% increase in student science content knowledge.

Little Scientists® I-STEM Science Program includes the science curriculum, all durable and consumable materials, student booklets, and science notebooks.

**Compensation:** Little Scientists will receive \$225.00 per science lesson.

Little Scientists®  
25 Higgins Drive  
Milford, CT. 06460  
203-783-1114  
[www.Little-Scientists.com](http://www.Little-Scientists.com)



# Little Scientists' Curriculum Scope and Sequence

A "hands-on" approach to learning.

Science & Engineering Practices	Crosscutting Concepts	Disciplinary Core Practices	Pre-Kindergarten 3 year old	Pre-Kindergarten 4 year old	Kindergarten	First Grade	Second Grade	Third Grade	Fourth Grade	Fifth Grade	Sixth Grade	Seventh Grade	Eighth Grade
Asking questions & defining problems	Patterns	Physical Science	What SI Units? Will it Roll? What are the Primary Colors?	What is a Magnet? Will it Bounce? How Do Colors Mix?	What is a Force? What is Color?	Magnets Molecular Matter	Quality Transportation What are liquids? States of Matter What is Water?	Pressure What are Properties of Forces & Motion? Mixtures What is Chemistry?	Electricity Simple Machines Flight What is Energy?	Complex Machines Scenes of Rhythms Separating & Purifying What are Chemicals?	What is Alternative Energy? What is the Structure & Properties of Matter?	Energy Forces & Interactions	Electricity & Magnetism Building Bridges Motion & Forces
Developing & using models	Causation		Why Do Leaves Fall? What is an Animal?	Will it Float? What is a Bubble?	Floating & Sinking Light & Mirrors What is Sound?			Boats Crystals What are the Structures of Crystals? Plants & Animals	Light & Sound Optics & Mirrors What are the Structures of Crystals?				
Planning & carrying out investigations	Scale	Life Science	Who are the Dinosaur? What is a Plant?	Why Do Leaves Fall? What is an Animal?	What is the Season of Fall? What is Water?	What are Plants? What are Animals?	Life Cycle of Plants Nutrition		How are Organisms Classified? What are Animals Adapted to? What is Inherited?		What is Photosynthesis? What are Animals Adapted to? What is Inherited?		
Analyzing & interpreting data	Systems		Who are the Dinosaur? What is a Plant?	Why Do Leaves Fall? What is an Animal?	What is the Season of Fall? What is Water?	Health Herpetology What are Reptiles?			What are the Structures of Crystals? Plants & Animals				
Using mathematics & computational thinking	Energy		Who are the Dinosaur? What is a Plant?	Why Do Leaves Fall? What is an Animal?	What is the Season of Fall? What is Water?	Health Herpetology What are Reptiles?			What is Healthy? Ecosystems Oceans How does Water Affect Earth? Water Cycle				
Constructing explanations & designing solutions	Energy	Earth & Space Science	Who are the Dinosaur? What is a Plant?	Why Do Leaves Fall? What is an Animal?	What is the Season of Fall? What is Water?	Health Herpetology What are Reptiles?			What is Healthy? Ecosystems Oceans How does Water Affect Earth? Water Cycle				
Engaging in argument from evidence	Structure & Function		Who are the Dinosaur? What is a Plant?	Why Do Leaves Fall? What is an Animal?	What is the Season of Fall? What is Water?	Health Herpetology What are Reptiles?			What is Healthy? Ecosystems Oceans How does Water Affect Earth? Water Cycle				
Obtaining, evaluating & communicating information	Stability & Change	Engineering, Technology & Applied Science	Who are the Dinosaur? What is a Plant?	Why Do Leaves Fall? What is an Animal?	What is the Season of Fall? What is Water?	Health Herpetology What are Reptiles?			What is Healthy? Ecosystems Oceans How does Water Affect Earth? Water Cycle				