Soar With Science

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| **1. Contact Info**  **Applicant Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Job Title:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Phone Number:** (\_\_\_\_)\_\_\_\_-\_\_\_\_\_\_  **Email:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **2. Your Organization**  **Organization Name:** \_\_\_\_\_\_\_\_\_\_\_  **Organization Type** (select one):  Public School / Public Library  **Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **City:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **State:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Zip Code:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

In **100 words or less,** briefly describe the geographic location and composition of the population your organization serves**.**

**This would include specific educational environment data**: rural/urban school, student population, poverty rates, dropout/graduation rates, subsidized lunch percentages, minority populations, ELL populations, students with IEPs, etc.

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| **SAMPLE: xxx** Elementary serves a **rural/urban** population of more than **#** students, **#%** of whom come from economically disadvantaged backgrounds and **#%** come from minority populations. By implementing the Math & Movement Science program, we can finally offer our students a new path to learning that actually speaks to them. The drop-out rate for our district is **#%**, and **#%** of the population in **xxx** County does not have a high school education.  Science comprehension is at the core of being successful both in general STEM fields and in today’s globalized workforce. We expect the implementation of the accessible and engaging Math & Movement Science program to increase student understanding of astronomy, the solar system, planets, distances from different planets to the sun and earth, chemistry, the periodic table, and the elements. |

3. Your Program

**What is the name of your proposed program?**

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| Soar with Science |

**Describe in detail the program activities, including how the students, educators and caregivers will be participating.**

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| **SAMPLE**: We will implement movement-based learning using exciting, data-driven floor mats to boost our students’ science achievement, enrich their learning experience, and increase their physical fitness. The bright colors and large letters and numbers on the floor mats make learning enjoyable and effective for children, thus decreasing frustration levels and shrinking achievement gaps.  I plan to use these materials with my students on a daily basis to boost their success with and enjoyment of science. The students will jump on the floor mats repeatedly while reciting the elements and planets out loud. This activity will be both a physical and mental exercise, thus increasing their retention of planet and element placement within the context of the other elements and planets. In addition, I will provide worksheets for my students to fill out that will help them not only learn more about each specific planet, but also put these planets into context within the greater solar system. I will encourage a love for chemistry and deep understanding of the elements by using the periodic table hop in my classroom. At an early age my students will be able to *understand* the periodic table which will make them excited for high school and even college chemistry classes. High school students in my district who are struggling with these concepts will also benefit from this grant. This approach allows students to *see* the scientific concept as they *say* it, and *move* simultaneously, thus allowing the students to learn using visual, auditory, and kinesthetic learning modalities.  **While all** students in the class will participate, the program will target below grade level students, students with learning disabilities, and ESL students. We will integrate science exercises into STEM classrooms, transition times, and before and after school programs. Of the participating students, I expect at least 80 percent will increase science fact retention by at least 25 percentage points. |

**How does this program support or extend the basic curriculum?**

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| **SAMPLE:** This project will help me teach my curriculum in a new and engaging way. My students will learn the science units quickly and easily while increasing their creativity and cooperation skills. The materials and science activities fully align with my current curriculum and help meet Common Core goals. This program “Soar with Science” utilizes floor mats that offer amazing visual supplements to common core curricula. These Math & Movement mats, science curricula, and activity guides easily explain challenging subjects like calculating long distances or visualizing chemistry properties. |

**If not funded by a Mini-Grant, will the program go forward?** (choose one)

(Yes/No)

4. Structure & Budget

**How many sessions will be held?**

(per day/per week/for the future)

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| **SAMPLE:** This program will be implemented in approximately 15 short sessions, daily for three weeks during the science units that match the content of the requested mats. While we are on the subjects of astronomy or chemistry, we will have our students use these floor mats and activity guides to supplement their learning within the curriculum’s science units. Additionally, because of the nature and construction of the materials and training, this program has the potential to be sustainable for at least 10 years after the grant is awarded. My students will see exponential growth and benefit throughout the school year from the consistent learning goals the program supports. |

**What will the length of each session be?**

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| **SAMPLE**: Each session (using the mats) will be approximately 15 to 30 minutes, incorporated throughout the day’s lessons so that students have multiple opportunities to get up out of their seats and practice these concepts, benefiting from the active movement and added learning. |

**How often will sessions be held?**

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| **SAMPLE:** Depending on what concepts and skills we are working on each week, we will try to incorporate the floor mats every day (for at least 15 minutes per day) for the **three**-week unit. The more opportunities students have to be physically active, the higher the likelihood they will retain and build on the astronomy and chemistry skills they gain in each lesson, as active learning has been known to increase material retention and understanding. |

**How many children do you expect to participate?**

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| SAMPLE: We expect **#** students to participate in the program across **#** grade levels. In upper grades, the focus will be serving students that are struggling with these concepts. As students master the scientific concepts, we will have them act as instructors for struggling (or younger) students. |

**How many caregivers?**

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| SAMPLE: We expect **#** caregivers to participate in the program. The activities that students learn and practice will be brought home, so parents and guardians will have numerous opportunities to participate in the program and share in the excitement of learning with their children. |

**How many other participants?**

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| **SAMPLE:** Teachers will play a major role in the instruction of these floor mats and the implementation of this program. We intend to train all of our elementary school science teachers to use these mats effectively. |

**COSTS**

**Remember:** A Mini-Grant funds a program.

Mini-Grants do **NOT** pay for general operating costs, administrative costs, transportation, salaries or books and equipment unrelated to the program or intended for reuse.

**MATERIALS**

(there is an **“Add Material”** icon that you will need to press to add to the list of mats/items you are applying for in the package for funding)

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| **Material 1:** | **Periodic Table Hop (Floor Mat)** |
| **# Needed:** | **1** |
| **Cost Per:** | **$400** |
| **Material Subtotal:** | **$400** |

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| **Material 2:** | **Planet Hop (Floor Mat)** |
| **# Needed:** | **1** |
| **Cost Per:** | **$95** |
| **Material Subtotal:** | **$95** |

**\*\*\*Shipping is calculated by weight and the total mini-grant cost, materials plus shipping, will not exceed $500.**

**Materials and Shipping Total: $500**

5. Agree & Submit

Each grant application has directions on how to submit the grant.