

Grant Proposal for *Math alive* acquisition

[Date]

[Addressee]

[Title]

[Organization]

[Address]

[City, State, Zip]

RE: MATH ALIVE PROJECT

Dear [Mr./Ms. Addressee],

[Your School Name Here] is pleased to present this proposal for your review. We look forward to partnering with you to purchase a supplemental math program called *Math alive* to help our students improve their math skills. [Your School Name Here] has [fill in the number of Pre-K and/or kindergarten students who will benefit from *Math alive*] Pre-K/Kindergarten students and [fill in the number of at risk students if you will be extending the *Math alive* program to them] at risk students with a math performance of at least two years behind their current grade level. If these students are not given an opportunity to improve their math skills, they are at greater risk of falling further behind their classroom making truancy and dropping out of school more likely.

The objective of our *Math alive* Program is to help beginning and at-risk students improve their math skills so they can perform at grade level and master the basics to succeed in subsequent grades. This is especially true concerning math, in which skills must build on one another. We expect to see dramatic improvements with most of the students increasing their math ability significantly. The *Math alive* Program provides students with access to the advanced technology of augmented reality.

Our proposal requests [fill in the amount needed] in funding to obtain the software and hardware necessary to equip the [Your School Name Here] with the *Math alive* system, including a computer, document camera, software, and a digital teacher lesson plan aligned to State Standards [and training if this is included in your plans/budget].

We appreciate you taking an interest in helping our students develop their math skills through our new math program! Please give me a call at [your phone number] if you require any further information or have any questions concerning this proposal.

Thank you,

[Your name]

[Your title]

Math alive Supplemental Math Program: Improving Math Performance for Beginning and At Risk Students

Submitted to: *[Name of Granting Organization]*

Date: *[Date of Grant Request]*

[Your Name]

[Your title]

[Your School Name Here]

Math alive Reading Program: Improving Math Performance for Beginning and At Risk Students

Project Overview

The *[Your School Name Here]* in *[your city and state]* is seeking a grant to purchase the *Math alive* Supplemental Math Program with the objective of helping our beginning and at risk students increase their math skills and to perform at grade level using the same classroom textbooks and materials as their peers. The objective is that by the end of the year the students will have greater gains in emergent math skill development than students using no part of the *Math alive* curriculum. The *Math alive* program is aligned with State Standards and is based on the latest research on effective math instruction. Funding in the amount of \$*[fill in the amount needed]* is requested to purchase the required software and hardware.

Statement of Need

Basic math skills set the building blocks for the entire academic career. Without learning simple skills like number sense, math concepts, and simple application of ideas like adding, children are not prepared to move from one grade to another. *[Your School Name Here]* has *[number]* Pre-k and Kindergarten students for whom the *Math alive* Program is ideally suited. In addition another *[[fill in the number of at risk students if you will be extending the Math alive program to them – delete this sentence if you will not be extending the program to other at-risk students]* students in grades 1 through 5 have been determined to be at risk in their math performance for a variety of reasons including learning disabilities, such as attention deficit disorder (ADD) and dyslexia, or other economic and language-based difficulties. Research (see Duncan & Magnuson, 2009) has shown that math skills among kindergartners turn out to be a key predictor for future academic success. If these students are not given an opportunity to improve their math skills they are, as studies show, more likely to be truant and drop out of school.

Program Description

The *[Your School Name Here]* *Math alive* program will enable Pre-K, Kindergarten, and at risk *[adjust included student groups as needed]* students to improve their math skills through utilization of a computer equipped with a document camera, math software, and cards that spring to life in 3D through the advanced technology of augmented reality. Students using this innovative math system will be able to improve their use of existing classroom materials, including textbooks, providing them access to the general curriculum. The students will master the basics to succeed in subsequent grades. This is especially true concerning math, in which skills must build on one another.

Math alive Supplemental Math Program

Math alive software, from Alive Studios, includes a full-year, game-based, supplemental math curriculum featuring an exciting technology known as Augmented Reality that provides a multi-sensory approach to help students learn early math skills. The *Math alive* program, aligned with Kindergarten Common Core standards, is a supplemental math program that utilizes research-based best practices to teach early mathematical concepts, skills, and principles.

The curriculum's 41 Teacher cards spring to life in 3D through the advanced technology of augmented reality. Even reluctant learners enthusiastically respond to the games, animals, sounds, and interactive learning.

Math alive builds students' number sense, computational skills, understanding of data and probability, pattern and shape recognition, measurement skills, and introduces them to concepts of money and time.

Math alive offers the opportunity for providing carefully tailored individual or small group instruction together with additional practice, explanation, and feedback that might be appropriate for many students who are lagging behind their peers in learning critical foundational skills in math.

Math alive includes a digital teacher's lesson plan manual that includes daily lesson plans as well as student activities to cover a full school year of math instruction. Over 260 activity sheets reinforce the skills students learn, and assessments are provided for teachers to measure students' progress. The lesson plans are mapped directly to State Standards for Math at the kindergarten level. A curriculum map is provided identifying the particular standards that are covered in each daily lesson.

Goals & Objectives

The goal of the *[Your School Name Here]* *Math alive* implementation is to enable Pre-K, kindergarten students and students with math deficiencies or disabilities *[adjust included student groups as needed]* to improve their foundational math skills to the point where they can succeed in school and develop the math skills that will prepare them for high school and post secondary education.

Studies have shown that students with poor math skills, who are performing at a grade level or more behind, are more likely to be disruptive in the classroom, truant from school, and at risk of dropping out of high school.

The main objectives include: *[Add or delete objectives as may be appropriate for your circumstances]*

1. Enhance student's natural interest in math and their disposition to use it to make sense of their physical and social worlds.
2. Integrate math with other activities and other activities with math.
3. Providing a measurable increase in math comprehension and attention span. The objective is that struggling students will significantly increase their math comprehension and skills by one to two grade levels by the end of the school year.
4. Enabling students struggling with math to access the general curriculum through strengthened foundational math skills.
5. Providing all students with a multi-sensory math program using a variety of approaches, strategies, and materials to help them increase their math skills.
6. Helping learning disabled students stay in their regular classroom with their peers, so they can continue learning in a least restrictive environment.

Timeline

[Add or delete steps as may be appropriate for your circumstances]

Activities	Date
Submit Grant Proposal	

Expected Grant Notification	
Purchase and Deploy <i>Math alive</i> Kits	
Teacher Orientation (or training, if included in budget)	
Student Introduction	
Test Initial Math Comprehension	
Begin 12 Week Phase	
Test Math Improvement	
Prepare Results Report	

Budget

[Include in the budget all expenses for your project, including necessary training costs. Mention any co-funding that you are using from other sources. You may want to include a brief narrative of expenses along with a table of individual cost components.]

The budget includes funds for the *Math alive* system containing the software, cards, a dedicated document camera, and curriculum along with *[include "with a dedicated computer" and "along with a teacher cart" if these accessories will be included in your proposal]*.

Price	Quantity	Total
Total		

[Fill in the appropriate Math alive product descriptions, quantities and prices in this table]

Total \$[Fill in the total amount requested]

Evaluation

Standardized Math tests will be conducted at the start of the *Math alive* project and again at the end of the school year to determine increases in math skills.

Staff and Organizational Information

[Include the staff qualifications, certifications, and skills. Describe the organization and include information indicating the organization's capacity to implement and sustain the program.]

Appendix

[[Include any relevant items in the Appendix including letters of support, the attached research report, and product literature.]]

References:

Duncan, G. & Magnuson, K. 2009. The Nature and Impact of Early Skills, Attention, and Behavior, presented at the Russell Sage Foundation conference on Social Inequality and Educational Outcomes, November 19-20, 2009

Duncan, G. & Murnane, R. editors, *Whither Opportunity? Rising Inequality, Schools, And Children's Life Chances*, Russel Sage Foundation & the Spencer Foundation

National Association for the Education of Young Children (NAEYC) and the National Council of Teachers of Mathematics (NCTM) joint position statement: *Early Childhood Mathematics: Promoting Good Beginnings*