

K-12 Mathematical Instructional Learning Software Request for Grant Applications (RFG)

Questions regarding this application, including interpretation and clarification of any section of this RFG should be directed to Sue Redington, sredington@utah.gov, on or before Friday, June 3, 2016.

STATE OF UTAH STEM Action Center

K-12 Mathematical Instructional Learning Software Request for Grant Applications (RFG)

Fiscal Year 2017

Funding Available For Public Educational Institutions

The funding of all STEM Action Center grants is contingent on continued funding from the Utah State Legislature Applications

Due: June 10, 2016 by midnight

Introduction

A. Background

During the 2013 Legislative Session, H.B. 139 was passed creating a STEM (Science, Technology, Engineering and Mathematics) Action Center (AC), to be supported by the Governor's Office of Economic Development (GOED). The STEM AC was created to help identify and disseminate information concerning STEM best practices in educational settings, as well as providing exciting, real-world STEM learning opportunities. One of the STEM AC's responsibilities is to identify evidence-based math software programs that support individual student needs. We have been engaged in this work for the past three years, with multiple vendors, as an avenue of meeting the diverse needs of students. The STEM AC has continued this work by selecting six product providers, through a request for proposals process, to provide math instructional technology to Utah Local Education Agencies (LEAs). In order for a product provider to be a part of this grant, their program had to provide real time reporting to

teachers and students of progress and areas of needs (an embedded progress monitoring tool). The program had to be individualized, self-adapting, and an engaging instructional support that addresses the Utah Core Standards for Mathematics.

B. Application Timeline

Date	Activity
May 23, 2016	Math RFG made available for application
June 3, 2016	Last day for questions
June 10, 2016	Completed math applications due (by midnight)
June 13-17, 2016	Math application review and evaluation
June 24, 2016	Notification of funding status
July 1, 2016	Start of Contract, funds made available
August 1, 2016	Regional STEM Roadshow & Math Product Training (Cedar City)* 9am-2pm
August 2, 2016	Regional STEM Roadshow & Math Product Training (Richfield)*9am-2pm
August 3, 2016	Regional STEM Roadshow & Math Product Training (Price)*9am-2pm
August 8, 2016	Regional STEM Roadshow & Math Product Training (Davis)*9am-2pm
August 9, 2016	Regional STEM Roadshow & Math Product Training (Park City)*9am-2pm
June 30, 2017	End of Contract

*More information regarding these regional trainings will be provided soon. The STEM Action Center will provide a meal and will pay educators a stipend to attend this product training.

Program Description

A. Purpose

The Math Instructional Learning Software project has been designed to provide adaptive and personalized math software for Utah students attending a public education institution in grades kindergarten through twelfth (K-12). The selected programs are individualized, self-adapting, and an engaging instructional support that addresses the Utah Core Standards for Mathematics. These

programs must be used as a supplement and are not intended to replace core classroom instruction.

The short term outcomes for this project are:

- Continuous measurement of student progress
- Increased interest and engagement toward mathematics
- Expanded instructional differentiation and focused remediation

The long term outcomes for this project are:

- Increased student performance on state mathematics assessments
- High school mathematics readiness
- College mathematics readiness

B. Description of Available Opportunities

This grant is for math software for use in kindergarten through twelfth grade. Public schools receiving awards through this grant will receive the math software for one (1) academic year (2016-17). The STEM AC understands that each LEA will deploy this math technology grant differently. Please use the process set in place by your district or charter.

This application is for all district schools; this application can only be prepared by the district office. Individual public schools cannot apply for the software; it must be a district application.

There are 6 product providers that you may choose from:

The actual cost and technical scores can be found in the online application.

Provider	Product	Supported Grades	Fidelity Measure	Cost per license	Technical Score* (via the State RFP Process)
Ascend Education	Ascend Math	K-12; including Secondary 1,2,3 Courses	K-2: 30 mins per week 3-6: 45 mins per week 7-12: 90 mins per week	██████	██████
Carnegie Learning	MathiaX	6-8	90 mins per week	██████	██████
	Cognitive Tutor	9-12	90 mins per week	██████	██████
	Bundle Price for MathiaX &	6-12	See above	██████	██████

	Cognitive Tutor				
Curriculum Associates	iReady	K-8	45 mins per week	██████	████
McGraw-Hill	ALEKS	3-12	1 hour per week or learning 5 topics per week	██████	██████
MIND Research Institute	ST Math	K-12	K-1: 60 mins per week 2-8: 90 mins per week	██████	██████
Think Through Math	Think Through Math	3-8; Algebra I, Geometry	Quarter 1 (Sept-Nov 2016): 5+ Lessons Completed Quarter 2 (Dec-Feb 2017): 10+ Lessons Completed Quarter 3 (Mar-May 2017): 15+ Lessons Completed	██████	██████

**Of a possible 2000 points in the technical evaluation, the vendors received the scores listed above – only those receiving 1500 points were accepted into the project.*

- C. Length of Agreement and Usage of the Product This agreement will last for one fiscal year, with the potential for re-applying annually, contingent on continued funding from the Utah State Legislature and contingent upon the LEA meeting the expectations of the grant (usage with fidelity, completion of surveys, providing student SSIDs etc.) The State of Utah and the STEM AC reserves the right to review agreement(s) on a regular basis regarding an LEAs overall performance and usage of the product. If the product(s) are not being utilized within the first 60 days of the academic year, the awarded licenses will be re-distributed to those who seek additional licenses. Each LEA who receives a grant must utilize the software with fidelity to be a part of this grant on a continual basis. For the purposes of this program, fidelity is defined as using a given product at a specified level of use. Each vendor specifies this level as listed in the table in section 2B (located above).
3. Evaluation The grant program evaluation will be conducted by Utah State University faculty, specifically Dr. Louis Nadelson. Below you will find important information regarding this grant:
1. The evaluation will be primarily looking at student mathematics achievement on the end of year state assessment.
 2. You will be required to have your students complete an initial (pre-) and end (post-) of year survey that targets math interest (completed online) as part of the evaluation.

3. Your teachers using the products will be required to complete a survey of their satisfaction with the product at the beginning and end of the school year.4. Districts will be required to provide state student identifiers (SSID's) for all students using licenses awarded by this grant. State assessment data and demographic data for students using the products will be collected using these SSID's through an agreement with the Utah State Office of Education and the STEM Action Center so as not to burden schools with collection of this information.

5. Districts will establish a single point of contact for collecting data from those using the products in the schools, and compile and upload the data to the data upload secure portal (<https://utstem.usu.edu>). Districts will also use the template provided by the evaluator to organize and submit their data.

6. You will be required to send parents a letter of information (this letter will be provided by the STEM AC) that will allow them the opportunity to decline having their child's data collected as part of this evaluation.. 4. Application and Award ProcessAll grant applications and related application documents must be submitted using the application site utahstemgrants.fluidreview.com. Applications submitted via email or physical copies will not be evaluated.

A. Application Components

The application must be completed online, using the site utahstemgrants.fluidreview.com. Below, you will find all application components and questions. While completing the online application, you may stop and save your progress at any time, and return to the application later.

B. Award ProcessThe applications will be reviewed from June, 13-17, 2016. Grant applicants will be notified of their award by June, 24, 2016.

If you have questions, please contact Sue Redington, Program Director, sredington@utah.gov or 801-538-8697.

I have read and understand the requirements and expectations of the K-12 Math Instructional Learning Software Grant provided by the STEM Action Center.

- Yes
- No

PLEASE ENTER INFORMATION FOR THE SINGLE POINT OF CONTACT FOR THE DISTRICT OR CHARTER SCHOOL

NAME of District/Charter Point of Contact

TITLE of District/Charter Point of Contact

EMAIL of District/Charter Point of Contact

PHONE NUMBER of District/Charter Point of Contact

*** Please specify the name of your district:**

Please select "*N/A" if this question does not apply to your application.

- Alpine School District
- Beaver School District
- Box Elder School District
- Cache School District
- Canyons School District
- Carbon School District
- Daggett School District
- Davis School District
- Duchesne School District
- Emery School District
- ... 22 additional choices hidden ...
- South Summit School District

- Tintic School District
- Tooele School District
- Uintah School District
- Wasatch School District
- Washington School District
- Wayne School District
- Weber School District
- Other
- *N/A

*** Please specify the name of your charter school:**

Please select "*N/A" if this question does not apply to your application.

- Academy for Math, Engineering & Science*
- Alianza Academy–West Valley City Campus
- Alianza Academy–Columbus Center Campus
- American Leadership Academy
- American Preparatory Academy–Accelerated
- American Preparatory Academy–Draper #1
- American Preparatory Academy–Draper #2
- American Preparatory Academy–Draper #3
- American Preparatory Academy–Salem
- American Preparatory Academy–The School for New Americans
- ... 81 additional choices hidden ...
- Venture Academy
- Vista at Entrada School of Performing
- Arts & Technology
- Voyage Academy
- Walden School of Liberal Arts
- Wasatch Peak Academy
- Weber State University Charter Academy
- Weilenmann School of Discovery

- Other
- *N/A

If you selected "other" please specify

Section 2: Hardware and Access

What is the student:computer ratio at your school/district?

What kind of hardware/device needs does your school have?

What would your school need to overcome access issues?

What kinds of issues could be barriers to implementing your program(s) effectively?

Is a lack of access to devices preventing you (or will it prevent you) from utilizing the software licenses with fidelity (at the recommended level of usage provided by the vendor)?

Section 3: Vendor Software and License Request

In this section you will provide details regarding your District or Charter School's vendor and license requests. NOTE for District applications: You are required to list every school and that school's main point

of contact for implementation. Having this direct on-site contact will help the selected vendor and STEM Action Center be more responsive to needs and issues when they arise.

How many school requests will you be entering in this application?

School Information

School Name	<input type="text"/>
STREET ADDRESS of School	<input type="text"/>
CITY of School	<input type="text"/>
ZIP CODE of School	<input type="text"/>
NAME of School Point of Contact	<input type="text"/>
EMAIL of School Point of Contact	<input type="text"/>
PHONE # of School Point of Contact	<input type="text"/>

School Request for Licenses

Software Options	Number of Licenses Requested	Total Cost
Choice #1	<input type="text"/>	<input type="text"/>
<input type="radio"/> Ascend Math [REDACTED]		
<input type="radio"/> MathiaX [REDACTED]		
<input type="radio"/> Cognitive Tutor [REDACTED]		
<input type="radio"/> Bundle for MathiaX & Cognitive Tutor [REDACTED]		
<input type="radio"/> iReady [REDACTED]		
<input type="radio"/> ALEKS [REDACTED]		
<input type="radio"/> ST Math [REDACTED]		
<input type="radio"/> Think Through Math [REDACTED]		
<input type="radio"/>		

Choice #2

- Ascend Math [REDACTED]
- MathiaX [REDACTED]
- Cognitive Tutor [REDACTED]
- Bundle for MathiaX & Cognitive Tutor [REDACTED]
- iReady [REDACTED]
- ALEKS [REDACTED]
- ST Math [REDACTED]
- Think Through Math [REDACTED]

The principal of this school is aware of the requirements and expectations of this grant and has agreed to abide by its terms.

- Yes
- No

Grant Ask Total:

State law requires that the applicant must document their “best value” analysis regarding the licenses requested within this application. This “best value” decision can be based on product capabilities, evaluation criteria/scores (listed in the table on page 2), and cost (listed in the table on page 2 and the bottom-line dollar amount of your request). The information provided by the STEM AC (in this application and on the website) will allow the applicant to make sound decisions regarding what will help further applicant goals and objectives. Please describe the reasons for making your decisions and why such decisions are the “best value” for your local education agency.

Section 4: Expectations and Outcomes

The State of Utah, and specifically the STEM AC, reserves the right to review an LEAs usage of the product(s) on a regular basis. Due to limited funding and high demand, the STEM AC is committed to

ensuring that all licenses are used to the optimal benefit of the students and the school. Thus, if the products are not being used within the first 60 days of the academic year, the awarded licenses will be re-distributed to those who seek additional licenses. Each LEA who receives a grant must utilize the software with fidelity to be a part of this grant on a continual basis. For the purposes of this program, fidelity is defined as using a given product for a specified average number of hours per week. Each vendor specifies this average as listed in the table in section 2B (on the second page of this application). This math grant program will be evaluated by Utah State University faculty, specifically Dr. Louis Nadelson. LEAs are required to do the following things:

1. You will be required to have your students complete an initial (pre-) and end (post-) of year survey that targets math interest (completed online) as part of the evaluation.
2. Your teachers using the products will be required to complete a survey of their satisfaction with the product at the beginning and end of the school year.
3. Districts will be required to provide state student identifiers (SSID's) for all students using licenses awarded by this grant. State assessment data and demographic data for students using the products will be collected using these SSID's through an agreement with the Utah State Office of Education and the STEM Action Center so as not to burden schools with collection of this information.
4. Districts will establish a single point of contact for collecting data from those using the products in the schools, and compile and upload the data to the data upload secure portal (<https://utstem.usu.edu>). Districts will also use the template provided by the evaluator to organize and submit their data.
5. You will be required to send parents a letter of information (this letter will be provided by the STEM AC) that will allow them the opportunity to decline having their child's data collected as part of this evaluation. The evaluation is an important component to provide the State of Utah information on the efficacy of the use of this state funding to inform future funding decisions.

IMPORTANT NOTE --- PLEASE READ CAREFULLYThe legislative funding that is provided for this initiative, while ongoing, is limited. The STEM AC will strive to meet as many requests for licenses as funding permits. The district and charter school applicants can facilitate the STEM AC's goal of meeting as many requests as possible by giving considerable thought to the needs in their schools. Please be very intentional about the product(s) that you request and the number of licenses for that product(s). The goal is to ask only for what you will use and thus ensure that all licenses will be used at fidelity and that we reach as many students as possible with the funding that has been provided by the legislature.

The STEM AC realizes that there may be needs that go unmet. Please track and document these unmet needs and we can use this information for future use to demonstrate support for additional funding for this project. This documented unmet need, in combination with the surveys and data that you will provide to show impact, will help us to continue to support and grow this program.

I have read and understand the evaluation requirements and expectations of the K-12 Math Instructional Learning Software Grant provided by the STEM Action Center

- Yes
- No

Submitting Your Proposal

By submitting a proposal in response to this RFG, applicants acknowledge the requirements outlined in the RFG are fair, equitable, not unduly restrictive, understood, and agreed to. Any exceptions to the content of the RFG must be protested to the awarding agency prior to the closing date and time for submission of the proposal. Proposals must be submitted by the posted date and time, using the online application site noted in the provided application information. Emailed or physical applications will not be accepted. Proposals received after the deadline will be ineligible for review.

PARTNERSHIP AGREEMENT

The signatures below indicate the agreement between The STEM Action Center, Charter School or School District to engage in all the terms and conditions described in this application. All parties believe that the responsibilities and effort as described previously reflect reasonable judgments as to what will be involved in efficient and effective conduct of the research. By signing this application it is also acknowledged that licenses to all software may come in a limited number. Thus, not all the licenses requested may be granted and the amount granted to each applicant will be determined at the sole discretion of The STEM Action Center. The STEM Action Center does not guarantee any type of results from the software nor does the STEM Action Center take any responsibility for the variability in success and outcomes of the software utilized by the applicant. Applicant agrees to hold harmless The STEM Action Center and waives any rights to legal remedies under this agreement or any other agreement made with The STEM Action Center.

Applicant Signature

Please use your mouse or touchscreen to sign. To clear signature and start again, select the "clear" button on the bottom right.

Superintendent or Charter Administrator Signature

Please use your mouse or touchscreen to sign. To clear signature and start again, select the "clear" button on the bottom right.

IT Director Signature

Please use your mouse or touchscreen to sign. To clear signature and start again, select the "clear" button on the bottom right.