



Apply Today: [iowaSTEM.org/scale-up-application](https://iowaSTEM.org/scale-up-application)

We've put together some helpful tips for the application below:

**TOMORROW  
STEMS  
FROM IOWA**

### Applicant Info

- Your name, school, school address
- You'll need to identify your STEM Region: [iowastem.org/regions](https://iowastem.org/regions)
- Administrator's name and contact information (principal, org leader)
- Fiscal Agent/Business Manager name and contact information (ask your principal, org leader)
- Educator(s) implementing and attending training - if multiple teachers at your school are interested, you can all fill out one application and list everyone's information in this section. *Teachley Math* best aligns with grades K-5. All educators are eligible. You can apply together or separately.

### Implementation

**1. Who are your intended participants? (Grade Level)**

**Help with this question:** *Teachley Math* is aligned to K-5 Iowa Math Standards.

**2. Will this program be implemented in school or out of school or both?**

**Help with this question:** *Teachley Math* is typically implemented in school or after school settings, but students can also play the digital and physical games, read ebooks, watch math videos, and use the problem solving software at home, too.

**3. How many classrooms, sections, or youth groups will implement the program during the year?**

**4. Estimated total number of youth who will participate:**

**5. What percentage of youth are on free/reduced lunch?**

**Help with this question:** Go to: <https://educate.iowa.gov/pk-12/data/education-statistics>  
Scroll down to FRL section by district or school. Any questions, email [info@iowastem.org](mailto:info@iowastem.org).

**6. What will be the estimated number of females participating in the program?**

**7. What will be the estimated number of youth of diversity (e.g. youth of color, disability) participating in the program?**

**8. If applying for more than one STEM Scale-Up Program for this location, please rank preference of this program (e.g., 1st of 3, 2nd of 2).**

9. How will the STEM Scale-Up program fit into and improve your current STEM units, lessons, curricula? Please provide a specific example. (500 word limit)

**To score a 4 on this question:** Provide a clear, thorough, and systematic description of integration into established practices/programs. Includes **details about school/organization's current practices** and how the Scale-Up program will address gaps, refresh, or extend current practices.

**Help with this question:** These are examples. Align with your intended implementation.

Ways to Integrate	How <i>Teachley Math</i> addresses gaps, refreshes or extends current practices
<b>Supplement Core Math</b>	<ul style="list-style-type: none"> <li>• Students need math support now more than ever (include data about your school/students).</li> <li>• Supplemental math needs to engage students. <i>Teachley Math</i> includes playful games, videos, and math stories which excite children.</li> <li>• Research on <i>Teachley Math</i> shows improvement on students' math performance after as few as 3-5 sessions.</li> </ul>
<b>Guided Math Groups</b>	<ul style="list-style-type: none"> <li>• <i>Teachley Math</i> includes intervention lessons that educators can use with small groups of students.</li> <li>• The games and activities are highly engaging, which makes it easy for teachers to work with small groups for targeted instruction while the rest of the class remains actively engaged.</li> <li>• These lessons are easily differentiated for students at different levels.</li> </ul>
<b>STEM Support</b>	<ul style="list-style-type: none"> <li>• To be prepared for future STEM careers, students need a solid foundation in math.</li> <li>• Early intervention is key as math instruction builds every year. Having strong math thinking and strategies early on supports later skills.</li> </ul>
<b>After School Intervention</b>	<ul style="list-style-type: none"> <li>• Students are far behind in math. After school hours is a great option to extend math learning and practice.</li> <li>• Again, it is essential that math instruction and activities are highly engaging as students are more tired. Games, stories, and videos are excellent ways to hook children and engage them in math.</li> <li>• After school teachers typically receive less training in supporting math. PD and support will help educators strengthen their own skills.</li> </ul>

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**10. Describe the implementation plan and the students for whom, when and where the Scale-Up program will be used so that reviewers can understand for whom and where the program will be implemented. (500 word limit)**

**To score a 4 on this question:** Provide a clear, thorough, and systematic description of how you will implement the program, including who will be implementing the program, where it will be implemented within your organization (e.g., physical location, age band/grade level, etc.), and approximately when during the upcoming academic year you plan to implement the Scale-Up program if selected.

**Help with this question:** These are examples. Align with your intended implementation.

Who	Where	When
Classroom teachers and their students	in class	<ul style="list-style-type: none"> <li>during math block, x times per week, starting in Sept 2024 (PD training during first two weeks in August)</li> <li>during classroom intervention time</li> </ul>
STEM teachers	in class	<ul style="list-style-type: none"> <li>during STEM block, x times per week for x weeks, starting x (PD training during first two weeks in August)</li> </ul>
Intervention teachers	Push in/pull out	<ul style="list-style-type: none"> <li>during intervention push in/pull out, x times per month, starting in Sept 2024.</li> </ul>
After school teachers	during after school	<ul style="list-style-type: none"> <li>x times per week for x weeks, starting in Sept 2024</li> </ul>
Students and families	at home	<ul style="list-style-type: none"> <li>playing games, reading ebooks with families ongoing</li> </ul>

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11. The goal of the STEM Scale-Up Program of the Iowa Governor’s STEM Advisory Council is to “seed” or start programs (not sustain). What is your plan to cover the costs of sustaining this program in future years (supplies and materials, fees, additional training, etc.)? (300 word limit)

**To score a 4 on this question:** Provide a clear, thorough, and systematic description of strategies to sustain and grow STEM programs. Examples include funding sources, leadership involvement, increasing participation of educators and youth, and integration into standard practice and organization culture.

**Help with this question:** These are examples. Align with your intended implementation.

<b>Costs</b>	<p>Sustainability Cost:</p> <ul style="list-style-type: none"> <li>- Full access (digital + physical kit): \$288/class, includes virtual PD for new users and ongoing support</li> <li>- Digital-only renewal: \$229/class</li> </ul>
<b>Funding Sources</b>	<ul style="list-style-type: none"> <li>● PTA / PTO</li> <li>● School budget (specify budget category)</li> <li>● Organizational partners - local foundations, community-based organizations, local businesses (oftentimes, they offer teacher grants)</li> <li>● Other sources such as Donors Choose, First Book Marketplace, etc.</li> </ul>
<b>Strategies</b>	<ul style="list-style-type: none"> <li>● Participating teachers will share their experiences with colleagues and school/district administrators.</li> <li>● Encouraging students to access Teachley games, videos, and ebooks at home will help build support with families.</li> </ul>

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12. The STEM Council established the priority to reach children of high need and/or under-served (specifically rural/urban, ethnic/racial minority, gender distribution, free or reduced lunch, special needs and low STEM academic performance). Please identify the high-need groups you will serve using this program. (500 word limit)

**To score a 4 on this question:** Provide a clear, thorough, and systematic description of how applicant will use this program to provide greater access and equity to underserved groups in their community.

**Help with this question:** These are examples. Align with your intended implementation.

Barrier	Remedy
<b>Financial</b>	<ul style="list-style-type: none"> <li>Students from low-income families are most likely to access digital learning resources at school. It's essential to provide them opportunities to access high-quality, engaging resources.</li> </ul>
<b>Low math performance</b>	<ul style="list-style-type: none"> <li>Adaptive games and differentiated lessons give students many points of entry to math.</li> <li>The <i>Teachley Math</i> program builds skills, helping struggling learners catch up and succeed in math.</li> <li>Universal Design for Learning promotes multiple means for engagement (ex. choice, optimized challenge), representation (ex. guided visualization), and expression (ex. multiple media).</li> </ul>
<b>Lack of engagement in STEM</b>	<ul style="list-style-type: none"> <li>How students feel about math is super important for future success in math and STEM. Girls in particular struggle with math anxiety at a higher rate, starting as early as 2nd grade.</li> <li>Providing students with fun and engaging math materials will help reduce anxiety and promote positive experiences with math for children, teachers, and families.</li> </ul>

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