



**Full Time Teaching Position at STARBASE Minnesota-St. Paul  
for Elementary Education or STEM education  
to teach STARBASE programs to students in grades 4-5  
Position to start summer/fall 2022 (we have flexibility in start dates)\***

**Description:** STARBASE Minnesota is a leading educational nonprofit organization founded in 1993 whose purpose is to inspire and educate youth in STEM. Through engaging, authentic curriculum — designed and implemented by the STARBASE instructor team — combined with state-of-the-art technologies in an exciting, immersive, one-of-a-kind learning environment, STARBASE programs exemplify the best of educational curriculum and practices that are in high demand by area districts and schools. Curriculum development draws upon your creativity, ingenuity, energy and passion as you and the STARBASE team provide important and engaging STEM education for thousands of students.

STARBASE serves over 3,600 fourth and fifth graders/year in three separate 20-hour, five day programs held during the school day each school year and summer — STARS 1, STARS 2, and the Summer Next Generation Program (students entering grades 4-5). STARBASE Minnesota partners regularly with over 40 area schools from seven school districts to provide exciting, innovative, relevant and standards-based programs strongly sought after by the schools with a waiting list of schools wanting to attend. Volunteer scientists/engineers from 18 area STEM corporations also participate at various times to expand students' visions of "real world" STEM and future STEM careers. Students realize significant gains in STEM knowledge, interest, identity, and awareness of STEM careers, measured by pre/post assessment. Additionally, STARBASE develops STEM kits and curriculum resources for distribution to over 400 schools across the state each year.

STARBASE's target audience during the school year is rich in diversity — language, culture, and learning. Classes maintain a 16:1 student/teacher ratio creating an outstanding environment for differentiated learning and student success. STARBASE students' average pre to posttest improvement is 80%; 98% of students reported STARBASE made learning fun; 88% reported an increased interest in STEM; and 91% over 250 teachers participating in STARBASE over the last year gave STARBASE the highest rating of "excellent" (8% very good). There is a long waiting list of schools to attend because STARBASE programs are exciting, STEM is integrated in "real world" ways, curriculum is robust and aligned with state standards; the instructor team is top notch, collaborative, and values the individual strengths and contributions of each team member. Schools consistently report that STARBASE programs help them achieve outstanding student outcomes in STEM in ways they are unable to. Due to our structure along with the unique partnerships that STARBASE has in the community, instructors are provided rich opportunities for professional growth, development and leadership from the start, something less commonly found in other educational settings.

STARBASE Instructor positions combine 4 hours of teaching per day along with curriculum and assessment development with other responsibilities related to STARBASE Minnesota's STEM programs and organization. Aptitude in science, math and technology and in developing lessons/curriculum essential; engineering, CAD software, and other VR and AR technology is typically learned on the job. Applicants must be licensed in the State of Minnesota, must have a strong passion for teaching/learning and in helping students succeed, have a strong interest and enthusiasm in STEM, have an excellent work ethic, and can communicate well with team members and with stakeholders. They must enjoy continuous improvement, creativity and innovation in their work.

Funding for STARBASE is from Department of Defense, the State of Minnesota, local STEM corporations and individuals. There are approximately 77 other STARBASE sites in the country in over 35 states and US territories.

**Position and Start Date\*:** This year, STARBASE has greater flexibility in the starting date of this position, whether summer or fall depending upon the candidate's situation and alignment with STARBASE Minnesota's goals- - can be discussed and determined together.

**Areas of Teacher Licensure may be among the following:** Elementary Education K-6; Middle School Science 5-8; Middle School Math 5-8; Secondary Science; STEM Certification; other related.

**Location, Hours, Calendar, Other:** STARBASE is located by the Mpls/St. Paul International Airport. STARBASE is a year-round program. Regular hours are 7:30-4:00 during the school year; modified hours in the summer including shortened Fridays.

**Duties and Responsibilities:**

- Utilize a variety of instructional strategies that meet the needs of diverse learners and build on students' natural curiosity to explore, create and problem-solve, teach STARBASE STEM programs to students, grades 4, 5 during school year, and entering grades 6 (in summer).
- Research, develop and implement cutting edge curriculum in STEM that is reflective of STARBASE Minnesota's mission and goals, is in alignment with state and national standards, and incorporates effective practices in teaching and learning. Integrate the application of "real world" experiences and help students broaden awareness of careers (per embedded strategies/tools in curriculum).
- Evaluate and continuously improve own instructional methods and strategies, engage in individual and team reflective practice; Evaluate and continuously improve and innovate with STARBASE programs and curriculum based on assessment data, evaluations, observations, customer feedback and bringing in new ideas.
- Develop and/or continuously improve STEM assessments by analyzing pre and post test results, teacher evaluations, student surveys, and standards and incorporating research
- Enter and analyze participant and outcome data. Provide reports as needed.
- Public relations skills – work with teachers, parents, volunteers, corporate and community partners; relay STEM messaging; Provide demonstrations, training and presentations in the community and at STARBASE Board meetings
- Other non-teaching, program-related projects depending upon candidate's skills & qualifications. Additional areas of work may be among the following STARBASE areas: STARBASE Clubhouse, educational technologies, liaison with schools, hosting pre-service educators for field experiences, STARBASE 2.0 mentoring program, working with other STEM nonprofits on project, other.
- Excellent skills, interest and/or aptitude in technology and/or strong desire to learn a plus.

**Qualifications:**

- Bachelor's degree and valid elementary or secondary teaching license; STEM licensure a plus
- Experienced in curriculum development and evaluation, STEM curriculum a plus
- Education, training and/or experience in physical sciences or engineering a plus
- Interest and aptitude in technology, including computer a wide range of software.
- Working knowledge of MN State Graduation Standards; knowledge of national standards a plus.
- Interest and desire to learn grade-level appropriate engineering design software and applications
- Technology skills required; experienced in various educational applications a plus
- Ability to work with students who are culturally and ethnically diverse, who have a variety of learning styles, and who may have limited English speaking and/or writing skills
- Excellent verbal and written communication skills

**To apply, please submit the following materials via email:**

1. Cover Letter
2. Resume
3. Letters of Recommendation
4. Transcripts (if more recent graduate)
5. Completed STARBASE application

**Address to: Kim Van Wie, Executive Director and Melanie Peters, Program Manager Email to: [applystarbasemn@gmail.com](mailto:applystarbasemn@gmail.com)**

**Subject Line: STARBASE Teaching Position**

Please note, if some letters of recommendation or official transcripts are not available at the time of application due to recent graduation, please indicate when they will be available in cover letter.