



Observation & Field Experience for Pre-Service Educators at STARBASE Minnesota

STARBASE Minnesota is a 501(c)3 non-profit organization located in St. Paul, Minnesota that since 1993 has educated and inspired over 50,000 Twin Cities youth in STEM (Science, Technology, Engineering and Math). Through a combination of exciting curriculum, a state-of-the art and technology-rich learning environment, and a top notch team of professional licensed educators who teach 400-500 academically, ethnically and culturally diverse students each/year, STARBASE has a strong track record of success and an “educational lab” environment that is a must-see for *anyone* entering an education career. STARBASE has opened its doors to colleges and universities’ pre-service educators to observe and see educational research and theory put into practice by participating in a wide range of field experience options.

Who is Eligible?

Any pre-service teacher from a higher educational institution partnered with STARBASE can participate. You do not have to be pursuing a certification in STEM to learn and greatly benefit from this experience!

What will Teaching Candidates Observe at STARBASE?

- A premiere and one of a kind state of the art learning environment unlike anywhere else, including 3D printers, CREO CAD software, wind tunnels, robotics, uniquely designed classrooms, and a computer for every child
- High quality integrated STEM curriculum, assessments, and instruction with 4th and 5th graders that utilizes current best practices and strategies
- How data is used to inform instruction, specifically to differentiate for a broad spectrum of learners, including ELLs, students with special needs, and students needing an extra challenge
- A simulated start-up to the school year every five days
- Professional discussions of the STARBASE instructor team, focused on student success and continuous improvement



Why STARBASE?

- 100% of 2014-2016 pre-service participants rated the STARBASE experience as excellent, or 5 out of 5.
- “I feel more confident about the lesson planning process and how to create a positive classroom environment.”
- “STARBASE has made me extremely excited to teach and also help my students become excited about learning.”
- “Any educator, STEM background or not, can learn something from this fabulous program.”
- “The community you have and the support you offer one another was amazing to see. I too felt this support.”
- “There is simply no equivalent to what is happening at STARBASE.”

What Type of Experiences are Available?

STARBASE’s 4th and 5th grade programs run for five consecutive days, 4 hours/day, for a total of 20 hours. STARBASE can help create experiences for pre-service teachers at every level in their journey as educators. In order to best meet your needs, STARBASE has a menu of options that can be tailored specifically to meet your requirements. Please see back page.

STARBASE Field Experience Options



Choose from:

- Class field trip
- Individual observation
- Semester field experience fulfilling the requirements of your college/university; please contact STARBASE to arrange so we can tailor an experience to fit your specific needs. Between 2-5 hours/day.



Participation Opportunities

- Observe integrated STEM instruction and best practices
- Engage in guided discussion and reflection on observations (You may choose focus areas—see right side box)
- Participate in a Q&A session with STARBASE instructors
- Assist students with individual learning needs
- Review and analyze student pre and post-assessment data
- Attend curriculum or professional development meetings
- Practice questioning and differentiating skills with students in small groups
- Create a STARBASE extension lesson plan or Clubhouse activity
- Teach a STARBASE lesson(s), depending on level of experience and requirements

Focus Topics & Discussion Areas

- STEM Integration
- Curriculum Development
- Technology Implementation
- Expectations and Behavior Management
- Differentiation
 - *ELL Strategies
 - *Special Needs Modifications and Accommodations
 - *Lesson Extensions/Challenges
- Assessment Strategies
- Analyzing Data to Inform Instruction
- Building a Successful Learning Environment (simulating the start-up of a school year)
- Non-traditional teaching opportunities & careers



The options are endless!

To Arrange Pre-Service Teacher Field Experiences or Observations Contact STARBASE Minnesota



Website: www.starbasemn.org/college-and-university-field-experience

Email: fielddexperience@starbasemn.org

STARBASE Minnesota Location: 659 Mustang Avenue, St. Paul, MN 55111 on the MN Air National Guard Base near the Minneapolis/St. Paul International Airport