



Welcome Parents/Guardians!

We are excited your students will be participating in STARBASE Wisconsin, a premiere “hands-on, minds-on” STEM (science, technology, engineering and math) program. The entire fifth grade class will be with us one day a week for five weeks. During those five days, they will use math, science and technology in a variety of hands-on experiments designed to stimulate their interest in science and engineering. Parents please note--**no juice, soda, candy, or sugary desserts** are allowed at STARBASE. If they are included in students’ lunches, they will be sent back to school at the end of the day.

What is STARBASE?

STARBASE Wisconsin is an interactive academic program that helps youth increase their knowledge in STEM. Fifth grade students are taken on a five-week odyssey into the exciting world of the sciences through hands-on activities and experiments, technology projects, and interaction with professionals in STEM fields. The US Department of Defense has funded STARBASE programs around the country for over 20 years. As the largest employer of civilian and military scientists and engineers, the DoD recognizes the importance of inspiring students to pursue STEM fields. STARBASE Wisconsin is located on 51st and Silver Spring Drive, and we are proudly sponsored by the Wisconsin Air National Guard.

What students do

- Experiment with indoor and outdoor rockets to learn Newton’s laws of motion.
- Learn navigation and mapping through Geocaching.
- Explore solid modeling using Pro/Engineer software.
- Design and create solid objects using the 3-D printer.
- Conduct investigations of rovers to identify the function and practical use of different sensors.
- Use temperature probes and computer technology to test how heat is conducted through various materials.
- Build molecular models and investigate properties of fluids.

What students learn

- Math: units of measurement, estimating, plotting, coordinate graphing, interpreting graphs and predicting.
- Science: Newton’s Laws of Motion, properties of air, speed, energy transfer and pressure.
- Engineering: Apply science and math content to engineering challenges, develop criteria, test and evaluate designs. Students will learn the entire engineering design process.
- Science and Inquiry: ask a question, make a hypothesis, do an experiment, make an observation, collect data, analyze your data, change a variable, and make a conclusion.
- Ask questions, solve problems, and work in teams.
- How to communicate what they learn; how to take their learning to the next level.

QUESTIONS? Feel free to call the STARBASE Wisconsin office at 414.535.5786.

STUDENT

Permission Form

Statement of Understanding & Hold Harmless Agreement

I acknowledge that I, _____ acting as legal guardian, do hereby grant my permission for _____ (*Student's name*) to participate in **STARBASE** Wisconsin Academy.

I take full responsibility for any damage that might occur to government and/or **STARBASE** Wisconsin property caused by my child. I understand this program is designed for "hands-on" activities, visits to military work areas, and to interest students in Science, Technology, Engineering, and Math (STEM) content areas.

I agree not to hold the U.S. Government, the state of Wisconsin, the Wisconsin National Guard, and STARBASE sponsoring agencies, and/or its staff or representatives liable in any way for mishaps which could occur due to the nature of the activity in which my child is engaged.

In case of a medical emergency, I grant permission for my child to be transported to the hospital by ambulance. My child will be picked up there by me or my designee.

I also understand that **STARBASE** Wisconsin reserves the right to terminate the participation of my child when it is deemed to be in the best interest of either my child or the program as determined by the **STARBASE** Wisconsin team.

I hereby grant permission for my child's school/school district to release my child's name, race, gender and special educational requirements to STARBASE Wisconsin for planning and aggregate data reporting.

Date

X

Signature of Student/Participant

Date

X

Signature of Parent/Guardian

Parent/Guardian Phone # _____

Permission for Publication of Student Photo & Student Photo Release Form

At **STARBASE** Wisconsin it is our practice when preparing work for external publications, video tapes, and publicity, to seek parent permission before including a child's image. In order to include your child's photo in any **STARBASE** Wisconsin project, we must have your signed permission. Please review the information, sign it, and return it to **STARBASE** Wisconsin.

As parent/guardian of _____
Student's Name

I hereby **grant** permission for my child to appear in a photograph, video or digital imagery that will be used by **STARBASE** Wisconsin. **STARBASE** Wisconsin will hold any and all rights to include these images, in any format or media, and to grant permission for its use in outside publications.

X

Signature of Parent/Guardian

Date