

PROGRAM DETAILS

[INSPIREus](#) x Don Moyer Boys and Girls Club x DREAAM House

For parents:

INSPIREus is hosting a long-term STEM program with the Boys and Girls Club/DREAAM House! Students can join us for sessions every other week to explore the world of STEM through hands-on activities, challenges, labs, and projects! Each of the 5 sessions will focus on a different aspect of STEM, with students participating in engineering challenges, performing experiments, learning about different areas of STEM, designing their own semester-long project, and showcasing their work!

Through this program, we aim to connect students to the excitement of STEM and work with them to develop scientific and life skills in an engaging, accessible way. They'll establish connections with both the peers in their small groups as they discover new interests together, as well as with their high-school mentors working with them! We would love to connect parents to the program as well, and will hold a showcase for students to share their work from the semester!

Dates: Every other week on 10/14 (Thursday), 10/27, 11/10, 11/24, 12/08 (Wednesdays)

Time: 4:30-5:30 pm

Cost: free of charge

For students:

Hey students! Are you curious about the science behind making ice cream? What about the cool topics in STEM, such as biology or computer science? Or, maybe you'd like to try your hand at designing a car from mouse traps? If you're interested in science or engineering, we hope you'll join us for INSPIREus' STEM program with the Boys and Girls Club/DREAAM House!

This semester, you can come to sessions every other week to explore the world of STEM through hands-on activities, challenges, labs, and projects! We'll compete in engineering challenges, perform experiments, learn about different topics in STEM, create our own projects, and show off our work to your parents! The best part? You'll get to work together with your friends and high school mentors, and we promise you'll have lots of fun along the way!

Dates: Every other week on 10/14 (Thursday), 10/27, 11/10, 11/24, 12/08 (Wednesdays)

Time: 4:30-5:30 pm

Cost: free!

SESSION DETAILS

Date	Session Type	Description + Activities
10/14	Experiment/lab-based session	We'll kick off the year with an experiment investigating states of matter through making our own ice cream! We'll look at how manipulating the temperature causes changes in energy and transforms matter from liquid to solid, and students will learn the basics of designing an experiment.
10/27	Intro-to-a-field day	We'll have stations showcasing different areas in STEM through activities and demonstrations! Students will learn about how they can get involved in STEM and explore topics such as chemistry, bioengineering, and computer science! (Topics will vary based on volunteer decisions.)
11/10	Engineering design challenge	We'll have a friendly competition, challenging groups to design, build, and test mousetrap cars. Students will exercise their problem-solving skills and learn about the physics and concepts behind a winning vehicle.
11/24	Semester group project work	We'll give the entirety of this session to complete their semester group project! Students will build on the work they've begun with their mentor groups during the last 15 minutes of previous meetings, incorporating skills they've learned throughout the semester to complete a fun, interactive project!
12/08	Parent showcase with project presentations (& sessions)	At this session, we'll celebrate students' success in the program! Students will get to show off all their hard work to their friends and parents, including presenting their long-term project. They'll also get certificates to commemorate their involvement in the program.