

WHAT STUDENTS LEARN IN TRCREATOR LAB

TRCreator Lab gives students time to work on their own projects, and these are the skills they build while they do it. The same engineering habits serve students in the classroom, on a competition team and in everyday life.

01 Students turn ideas into builds.

Students start with their own idea and carry it all the way to a working robot or LEGO creation. They learn to plan, build, test and improve, which is the same design process real engineers use.

02 Students own their projects.

No one hands them an assignment. Students decide what to build, set a goal for each lab session and take responsibility for finishing what they start.

03 Students debug and troubleshoot.

When a build falls apart or the code won't run, students track down the cause and fix it themselves. Mentors ask questions instead of handing over answers, so students learn to think through a problem one step at a time.

04 Students manage their time and space.

With 1.5 hours of open lab time, students learn to pace their work, find the tools and parts they need, and leave their workstation clean and ready for the next builder.

05 Students build creative confidence.

Every finished project proves they can make something from nothing. Students leave able to try bold ideas, learn from what doesn't work and share what they've built with others.