



HEY, MIDDLE SCHOOL STEM TEACHERS!

Help your students find inspiration in science and technology fields and empower them to discover the possibilities of what STEM can offer!

Jefferson County Public Library (JCPL) invites middle school teachers and students to participate in a FREE Epic STEM Fair.

- Inspire your students!
- Industry mentors help your students explore the scientific process while creating solutions to real-world problems.
- Student-driven projects; participate as individuals or teams.
- Students gain confidence in their STEM-abilities.

TELL US YOU'RE INTERESTED!

It's easy! Complete the application of interest at jeffcolibrary.org/STEM or tell a JCPL staff member you're interested!

WE MAKE IT EASY TO PARTICIPATE!

- We come to you!
- Students are paired with mentors who come to your school when it's convenient for you - during class, after school, or at a library.
- Project-based learning.
- Aligns with Jefferson County Public School's curriculum.
- Librarians help your students discover and explore authentic scientific texts that align with projects (and that support Next Generations Science Standards).

Open to all Jefferson County middle school students, grades 6-8.

JEFFCOLIBRARY.ORG/STEM



303.235.5275 | jeffcolibrary.org



Jefferson County
PUBLIC LIBRARY
ALWAYS BE

PRIZES

SCHOOLS - \$500

Seven schools will win \$500 for STEM classrooms or afterschool clubs. If a homeschool student/team wins, the prize will be awarded to an approved homeschool association.

STUDENT TEAMS

Seven student teams will win a trophy and paid admission to a statewide or regional STEM competition or fair.

ALL PARTICIPANTS

Everyone receives an Epic STEM medal.

CATEGORIES

Student teams should choose a project from one of these seven categories:

1. **Better Bots!** Design a machine or robot to solve a real-world problem.
2. **Clean up your mess!** Human impact on local ecosystems can be negative. Identify a local impact and offer a solution.
3. **Selfie!** Develop a self-contained ecosystem to provide food for a future colony on Mars and demonstrate photosynthesis in action.
4. **Up a creek without a paddle.** Design a method to efficiently move two pounds of weight across water within a structure no larger than 8" X 11.
5. **Is it hot or is it just me?** Design a system that either amplifies or decreases the greenhouse effect.
6. **Citizen Science.** Participate in a citizen science project creating a presentation based on your observations and findings.
7. **Less is more.** Reduce, reuse, recycle - find an innovative solution for waste.

EPIC STEM FAIR

FRIDAY, DEC. 13, 9 -12:30 P.M.

Jefferson County Fairgrounds

15200 West 6th Ave.

Frontage Road, Golden, 80401

Teams display projects and get critical feedback from a qualified judge. While judges are reviewing the entries and providing feedback, students engage in hands-on STEM activities.

IMPORTANT DEADLINES

OCTOBER 1: Registration opens

OCTOBER 21: Registration closes

NOVEMBER - EARLY DECEMBER:

Students work on projects with a mentor.

DECEMBER 13: Epic STEM Fair

**For more information,
contact your school's
Jefferson County
Public Library teen
librarian or call
303-235-5275.**

jeffcolibrary.org/stem