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Jefferson County
PUBLIC LIBRARY

HEY, MIDDLE SCHOOL STUDENTS!

Find inspiration in science and technology fields and discover the possibilities of what STEM can offer!

Jefferson County Public Library (JCPL) invites you to participate in a FREE Epic STEM Fair.

GET READY FOR SPRING SCIENCE FAIRS!

- Industry mentors help you explore the scientific process while creating solutions to real-world problems.
- You drive the projects. Participate as individuals or teams.
- Gain confidence in your STEM-abilities.

TELL US YOU'RE INTERESTED!

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

IT'S EASY AND FUN!

- Ask your science teacher to sign up to participate at your school or you can participate at Lakewood Library.
- Librarians help you discover and explore scientific resources available through the library.
- Get some hands-on STEM experience.
- Meet other students who geek out on STEM.

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

JEFFCOLIBRARY.ORG/STEM

SUNFLOWER BANK

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JEFFERSON COUNTY
LIBRARY FOUNDATION
SUPPORT THE POSSIBILITIES

303.235.5275 | jeffcolibrary.org

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.

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.

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