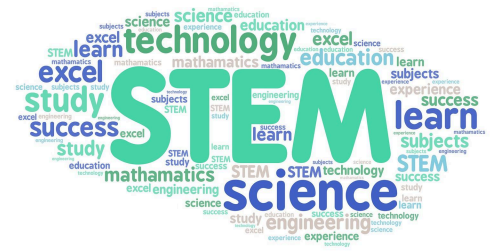


STEM OPPORTUNITIES FOR K-12TH GRADE

SARAH TROSPER



WHAT IS STEM?

STEM IS AN ACRONYM FOR SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS.

- SCIENCE—STUDY OF THE NATURE OF THE UNIVERSE
- TECHNOLOGY—APPLYING INFORMATION TO THE DESIGN OF GOODS AND SERVICES
- ENGINEERING—APPLICATION OF KNOWLEDGE FOR THE BENEFIT OF HUMANITY
- MATHEMATICS—UNIVERSAL LANGUAGE OF NATURE

STEM OPPORTUNITIES ACROSS IOWA:

***THE UNIVERSITY OF IOWA**—UNIVERSITY OF IOWA HEALTH CARE STEM EDUCATION PROGRAMS ALLOW STUDENTS THE OPPORTUNITY FOR HANDS-ON KNOWLEDGE OF INNOVATION AND PROBLEM SOLVING IN HEALTH CARE DISCOVERY. SEVERAL PROGRAMS ARE OFFERED THROUGHOUT THE YEAR BOTH IN PERSON IN IOWA CITY AND VIRTUALLY. VISIT THE WEBSITE BELOW TO SIGN UP FOR THE NEWSLETTER AND REGISTER FOR UPCOMING PROGRAMS (2024 PROGRAMS WILL BE ANNOUNCED SOON!).

[HTTPS://UIHEALTHCARE.ORG/EDUCATION/UI-HEALTH-CARE-STEM-EDUCATION](https://uihealthcare.org/education/ui-health-care-stem-education)

***IOWA STATE UNIVERSITY**—4-H STEM PROGRAMS WORK TO ENGAGE YOUTH THROUGH HANDS-ON EXPERIENCES THAT CONNECT TO THEIR LIVES AND RESPOND TO THEIR INTERESTS. 4-H PROGRAMS USE HANDS-ON ACTIVITIES IN STEM TO TEACH PROBLEM-SOLVING, CREATIVE AND CRITICAL THINKING, AND INSPIRE KIDS TO EXPLORE STEM PROFESSIONS.

[HTTPS://WWW.EXTENSION.IASTATE.EDU/4H/STEM](https://www.extension.iastate.edu/4h/stem)

UPCOMING 2024 EVENTS INCLUDE:

- APRIL 4-5-STATE SCIENCE TECHNOLOGY FAIR OF IOWA AT HILTON COLISEUM-GRADES 6-12
- JUNE 9-13-STEM IN MOTION-GRADES 9-12-FLORIDA!
- DECEMBER 6-NUTCRACKER BALLET+ STEM-A FREE MINI PERFORMANCE AND PROGRAM FOR GRADES 2-5.

***TOMORROW STEMS FROM IOWA**—THE GOVERNOR'S STEM ADVISORY COUNCIL:

THE GOVERNOR'S STEM ADVISORY COUNCIL MISSION IS INCREASING INTEREST AND ACHIEVEMENT IN STEM STUDIES AND CAREERS THROUGH PARTNERSHIPS ENGAGING PREK-12 STUDENTS, PARENTS, EDUCATORS, EMPLOYERS, NON-PROFITS, POLICY LEADERS AND OTHERS. THE COUNCIL PROVIDES OPPORTUNITIES THAT INSPIRE IOWA'S YOUNG PEOPLE TO BECOME INNOVATIVE, ENTERPRISING CONTRIBUTORS TO OUR FUTURE WORKFORCE AND THE QUALITY OF LIFE IN OUR COMMUNITIES.

[HTTPS://IOWASTEM.ORG/](https://iowastem.org/)

LOCAL STEM OPPORTUNITIES:

***THE SCIENCE CENTER OF IOWA:** THE SCIENCE CENTER OFFERS STEM PROGRAMMING FOR BOTH FAMILIES AND CHILDREN. PROGRAMS ARE UPDATED PERIODICALLY, BUT HERE ARE A FEW THAT ARE COMING UP IN THE NEXT FEW MONTHS (REGISTRATION IS REQUIRED FOR MANY)

-FEBRUARY 3, 10 AND 24 FROM 1-3PM: GRADES 6-8: INNOVATION LAB CAMP

-FEBRUARY 1, 8, 15, 22 AND 29 FROM 9:15-10:15AM: AGES 3-5 YEARS: PINT SIZED SCIENCE WORKSHOPS

-FEBRUARY 17: GIRLS IN SCIENCE FESTIVAL (ALL AGES)-INCLUDED WITH GENERAL ADMISSION

CHECK OUT THE WEBSITE FOR REGISTRATION AND OTHER OPPORTUNITIES.

[HTTPS://WWW.SCIOWA.ORG/PROGRAMS-AND-EVENTS/YOUTH-PROGRAMS/](https://www.sciowa.org/programs-and-events/youth-programs/)

***BLANK PARK ZOO:** THE ZOO HAS HELD BOTH "STEM DAY AT THE ZOO" AND A "FAMILY STEM NIGHT" THE PAST SEVERAL YEARS. CHECK OUT THEIR WEBSITE FOR "POSSIBLE" UPCOMING STEM EVENTS IN 2024.

[HTTPS://WWW.BLANKPARKZOO.COM/](https://www.blankparkzoo.com/)

*MANY STEM CAMPS ARE OFFERED THROUGHOUT THE SUMMER IN THE DES MOINES AREA BUT HAVE NOT BEEN PUBLISHED YET. I WILL UPDATE A LIST WHEN THESE ARE AVAILABLE (USUALLY IN MARCH).