DECtech
DISCOVER · EXPLORE · CREATE

A Colorado School of Mines outreach program designed especially for 3rd to 10th grade girls!

Developed and led by female Mines students who are passionate about inspiring the next generation of STEM innovators! **http://tech.mines.edu**

FALL 2021

DISCOVER Tech
STEM Program for Girls 3rd – 6th Grades
New topics and activities every semester!

Participants will learn about four different STEM topics through hands-on and engaging activities. This program meets 4 times this semester, *with in-person and virtual options*.

Location: Colorado School of Mines campus OR virtual via Zoom
Cost: $60* in person / $60* virtual | Time: 4:30-5:45pm

3rd/4th grade participants (choose ONE day of the week):

IN PERSON SESSIONS at MINES CAMPUS IN GOLDEN:
MONDAY: Sept 20, Oct 4, Oct 25, Nov 8, 2021
TUESDAY: Sept 21, Oct 5, Oct 26, Nov 9, 2021
THURSDAY: Sept 23, Sept 30, Oct 7, Oct 14, 2021
VIRTUAL SESSION VIA ZOOM (small groups):
WEDNESDAY: Sept 22, Sept 29, Oct 6, Oct 13, 2021

5th/6th grade participants (choose ONE day of the week):

IN PERSON SESSIONS at MINES CAMPUS IN GOLDEN:
MONDAY: Sept 27, Oct 11, Nov 1, Nov 15, 2021
TUESDAY: Sept 28, Oct 12, Nov 2, Nov 16, 2021
WEDNESDAY: Oct 27, Nov 3, Nov 10, Nov 17, 2021
VIRTUAL SESSION VIA ZOOM (small groups):
THURSDAY: Oct 28, Nov 4, Nov 11, Nov 18, 2021

EXPLORE Tech - STEM Program for Girls 7th – 10th Grades

JavaScript for Art and Animation – Participants will learn to program with JavaScript - which is used by web browsers for creating interactive websites. Participants will learn to make graphics and animations as they work through a variety of fun coding activities. (*In person, 4 weeks*)

App Design and User Interface – Participants will learn design principles for creating a user interface for apps. They will go through the process of designing an idea, then develop an app without coding -- using drag and drop components to create logic to build it. (*Virtual or In person*)

Location: Colorado School of Mines campus OR virtual via Zoom   Time: 5pm – 6:15pm
Cost: $60* in person (4 weeks) / $90* virtual (6 weeks)

JavaScript: (IN PERSON, choose ONE day of the week):
7th/8th Grade: MONDAY: Sept 20, Oct 4, Oct 25, Nov 8
9th/10th Grade: MONDAY: Sept 27, Oct 11, Nov 1, Nov 15
7th-10th Grades: TUESDAY: Sept 21, Sept 28, Oct 5, Oct 12
(Groups may go faster/slower based on grade.)

App Design: (VIRTUAL – 6 weeks or IN PERSON – 4 weeks**)
7th-10th Grade:
TUESDAY – in person: Oct 26, Nov 2, Nov 9, Nov 16 (4 weeks)
WEDNESDAY - *Virtual*: Sept 22, Sept 29, Oct 6, Oct 13, Oct 27, Nov 3
**In person content will be reduced, with some at-home practice

For more information and to register, visit: tech.mines.edu

For questions, email stem-tech@mines.edu

*Scholarships available for participants who participate in the Free/Reduced Lunch program and for those with demonstrated need.

COLORADO SCHOOL OF MINES