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

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**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)

**In person content will be reduced, with some at-home practice**

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For more information and to register, visit: [tech.mines.edu](http://tech.mines.edu)  
For questions, email [stem-tech@mines.edu](mailto:stem-tech@mines.edu)

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