

# GIRL SCOUT STEM PROGRAM AND TOURS

presented by

## The Interurban Railway Museum

The Plano Conservancy for Historic Preservation, Inc. Girl Scout STEM program is for Girl Scouts age nine and older. Our STEM program is part of the Girl Scout Seal of Approval Program which will help each Girl Scout earn points toward the special Girl Scout STEM patch. Each Girl Scout will receive a certificate of participation at the completion of Stem program.

**Dates:** Saturday mornings 10:00am or Monday's when teachers have an in service day.  
Summer classes will be offered most Tuesday, Wednesday, and Thursday mornings at 10:00am. We are occasionally available to present the GS STEM Program at 4:00 pm Tuesday, Wednesday, Thursday.

**Cost:** \$10.00 per Girl Scout (cash or check only) – Minimum of 5 Girl Scouts.

**Place:** The Girl Scout STEM Program is held in historic Plano at:  
The Interurban Railroad Museum, E. 15th St. Plano, TX. 75074.  
Look for Railway Car 360 alongside the IRM.

**Time allotted:** 1 - 1.5 hours

**Reservations and Information:** Please email [scouting@planoconservancy.org](mailto:scouting@planoconservancy.org)

**Description:** Our Instructors will teach the Girl Scouts the basic principles of electricity and discuss why electricity is a vital part of our daily lives. The Interurban Railway Museum has an electricity room with five interactive tables. Here the Girls Scouts design electric circuits, learn the difference between A/C and D/C electric currents and are shown how electricity is generated by using magnets and copper wires. They will make the high arch voltage interactive electric current jump like lighting.

Other topics include safety precautions, basic electrical terms, the discovery and history of electricity. How the Dart Rail and historic Railway Car 360 both utilized electricity in different generations. Mathematical exercises and terms will be discussed when viewing the model train and Railway Car 360.

## TOURS

Tours of the Interurban Railway Museum are offered during regular business hours Monday through Friday 10:00 to 2:00 and Saturdays 1:00 to 5:00. These tours are for all age Girl Scouts and are available by calling 972-9412117.

Private tours are available by emailing [scouting@planoconservancy.org](mailto:scouting@planoconservancy.org)

The private tours include going aboard historic Railway Car 360 and learning what excitement it created for children 100 years ago. The Girl Scouts tour the historic Interurban Railway Station. Learning opportunities include an interactive electrical room, model train, history room, and many interesting artifacts. A motorman dressed in a uniform will be your guide and answer all questions. There is a donation of \$2.00 per Girl Scout.