



# School/Community Outreach Programs

*Invite Science City to your school or community event! These interactive science demonstrations stimulate interest in exciting science activities. Vocabulary and science concept descriptions available upon request. Variety of programming may be adapted to your event theme.*



## STAGE SHOWS

### Radical Reactions\*

What is happening during chemical and physical reactions? Properties of everyday materials are the reasons for some extraordinary results.

### Flames, Smoke & Sizzle\*

Learn about the science of combustion in super-hot enlightening demonstration. Observe the effect of heat on different substances in these controlled explosions. Important fire safety practices are emphasized.

### Under Pressure

How much power is available from the air? What can we do with it? How is air used to make machines work? What do we mean by atmospheric pressure?

### Force & Motion

Explore the often invisible yet amazing forces of physics! The concepts of gravity, centripetal force, energy and collisions are explained using bouncing basketballs, spinning wheels and upside down water glasses.

### Volts and Jolts

Electricity is illuminated in a series of shocking experiments! Explore electrons and protons as the Van de Graaff generator creates volts of hair-raising excitement. Observe the Tesla Coil send arcs of electricity through the air and watch a lamp mysteriously light up.

\*Small amounts of flammable materials involved. Please notify fire marshal & site supervisor prior to event re safety issues.



## TABLE TOP DEMOS OR CLASSROOM ACTIVITIES

### Static Charge

What materials store electric charge? Can electricity be conducted through people? Using a Van de Graaf generator, watch your hair stand on end, and see crispy cereal dance.

### Fun Chemistry

Participate in cool chemical reactions. See, touch and hear what happens when everyday household ingredients get together.

### Air, Air, Everywhere

Learn some powerful everyday applications and facts. Predict the winner in air tug-o-war.

## MAKE IT/TAKE IT ACTIVITIES (walk-up activities for large events)

Eewy Goo	Basic chemical reactions become a fun toy
Hoop Gliders	Flight, air foils, center of gravity, air drag, stability
Pinhole Viewers	Amazing abilities of our eyes, intro to Optics
CD Hovercrafts	Air foil, air pressure, friction



**Scheduling Outreach visit:** Call 816-460-2226 to request Outreach Visit Request Form.  
**Demonstrations or Make-It Take It:** \$175/classroom/or event  
**Stage Show program** \$175 (30-40 minute show)

UNION STATION KANSAS CITY

30 W Pershing Rd. Suite 400, Kansas City MO 64108 816-460-2000 fax 816-460-2260 unionstation.org



# Science City OUTREACH VISIT REQUEST

- **DATE OF EVENT** \_\_\_\_\_ **Timeframe of event:** \_\_\_\_\_
  - Contact person \_\_\_\_\_
  - Phone(s) \_\_\_\_\_ email \_\_\_\_\_
  - Group/School Name \_\_\_\_\_ Grades/Ages: \_\_\_\_\_
  - School District \_\_\_\_\_
  - Group/School Address \_\_\_\_\_
  - Address for Event (if different) \_\_\_\_\_
  - City/State/ZIP \_\_\_\_\_
  - Event Name \_\_\_\_\_
  - Event Location (school gym/classroom/outside?) \_\_\_\_\_
  - General description of event: (Include "theme" if applicable) \_\_\_\_\_
- \_\_\_\_\_ Anticipated attendance \_\_\_\_\_

Questions? 816-460-2226

## OUTREACH PROGRAMMING SELECTION/FEEES

### STAGE SHOW

Radical Reactions\*     Flames, Smoke & Sizzle\*     Under Pressure  
 Force & Motion     Volts & Jolts

### TABLE TOP DEMONSTRATION

Themed Activity: \_\_\_\_\_  
 Static Charge     Fun Chemistry     Air, Air, Everywhere

### MAKE IT/ TAKE IT ACTIVITIES

Hoop gliders     Hovercrafts     Pinhole Viewers     Eewy Goo

### SPECIAL PROGRAMMING REQUEST \_\_\_\_\_

**\*\*Program Fee:**     Stage Shows    @ \$175/ show    \$ \_\_\_\_\_  
                            Table Top Demo @ \$175/classroom/event    \$ \_\_\_\_\_  
                            Make It/Take It @ \$175/event (up to 2 hours)    \$ \_\_\_\_\_

\*\*Subject to availability and distance. Additional mileage fees apply more than 30 miles one-way).

**TOTAL**    \$ \_\_\_\_\_

Confirmation will be sent via email. Provide mailing address here if postal mail is preferred:

Return to: Elaine Ceule    **Fax: 816-460-2260**  
 Science City at Union Station  
 30 West Pershing, Suite 850  
 Kansas City MO 64108

**OFFICIAL USE:**  
 Group # \_\_\_\_\_  
 Booking # \_\_\_\_\_  
 Confirm Date \_\_\_\_\_

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