



# NORTH MUSEUM EDUCATION PROGRAMS

A Leader and Pioneer in STEM Education



# OUR MISSION

To enable knowledge of nature  
and science by inspiring  
individuals, engaging communities,  
and connecting organizations.



**north science**  
**museum & engineering fair**  
 LANCASTER, PA

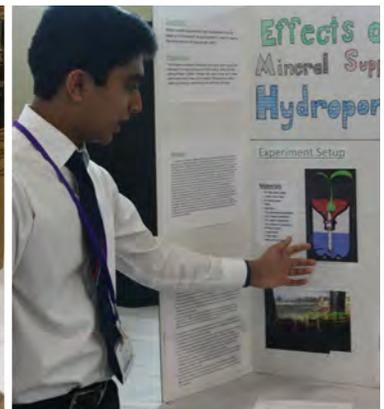
## What Is The Science & Engineering Fair?

- The North Museum Science and Engineering Fair is the only regional Fair in Lancaster affiliated to the International Science and Engineering Fair that offers national and international opportunities for students.
- The North Museum has managed the county science fair since 2009.
- Since its inception in 1953, the Fair has grown from 39 participants to 1,000+ students participating at the school level for a chance to advance to the county-wide competition.
- The NMSEF serves as Lancaster County's regional science fair with more than 400 projects from students in over 30 middle and high schools each year.
- Winners of the North Museum Science & Engineering Fair advance to the Intel International Science and Engineering Fair, the world's largest international pre-college science competition.
- The North Museum has enhanced the recognition of the top student researchers, encouraged several new schools to participate in the Science Fair and received terrific corporate support.
- The event has allowed us to form new partnerships in the science and business community in ways that would have never occurred without this program as a springboard.
- The Fair represents a focal point of our mission to be an essential informal science education resource in the region.

**“The North Museum Science and Engineering Fair has given me the opportunity to research and explore the sciences that interested me and prepare me for the future.”**

- Maya Rao

6 year participant of NMSEF and Second Place Award Winner at the 2015 Intel International Science & Engineering Fair





# Inspire. Empower. Ignite.

## Why Do We Need STEM Sisters?

### The STEM Gap

**Women are under-represented in science, math, engineering and technology (STEM) fields because of cultural biases and structural barriers.** These fields include some of the fast growing — and highest paying — occupations. Women make up only **28%** of the workforce in science, technology, engineering and math (STEM), and men vastly outnumber women majoring in most STEM fields in college. The gender gaps are particularly high in some of the fastest-growing and highest-paid **jobs of the future**, like computer science and engineering.

### Our Mission

The North Museum STEM Sisters program inspires, empowers, and ignites young women's passion for STEM careers. The STEM Sisters' yearlong events encourage and empower young women through interactive programs and hands-on activities. The STEM Sisters program offers young girls an opportunity to be inspired by undergraduate and professional women in STEM fields and discover new potential career paths.

### STEM Sisters / Explorers

Through engaging programs and activities, the STEM Sisters program offers young women an opportunity to meet undergraduate and professionals in STEM fields and discover new potential career paths. The program's ongoing events encourage and empower our youth to pursue their area of passion. All STEM Sisters / Explorers events are provided at no cost to students in grades 6–12. Research shows that girls' interest in the fields of STEM begins to diminish by 6th grade due to socialization and lack of exposure and access.



*"As a STEM Sister, I get to feel empowered and encouraged to be the person that I have always wanted to become. Given these opportunities, I am able to grow alongside girls who share the same passions as me. And that's really cool."*

– Maddie Armstrong, 11th Grade, STEM Sister



## Field Trips

### North Museum Field Trips

The Museum hosts thousands of students annually providing hands-on field trips that interact with exhibits and live animals in the museum, as well as providing an out of this world experience in our Planetarium. Groups customize their tour ahead of time and the museum aligns each visit to the schools current area of study.

The museum offers Guided and independent exploration tours. Enhanced activities that correlate with on the floor exhibits are enhanced for group visits. Planetarium shows, nature walks, live animal room demonstrations and specialized interactive activities are offered to each group. The museum's staff and on the floor volunteers pay special attention to aligning each tour to the preferences of each group. In addition to school field trips, we host scouting groups, senior centers, special interest groups, college students, therapy dogs/animals, emotional and developmentally challenged groups, large family reunions, young professionals, naturalists, nonprofit organizations, post secondary groups, and more.



**"That was the  
greatest field  
trip ever!!!!"**

**"I learned that  
birds have  
different beaks  
for different  
reasons."**

**"I loved the movie  
in the dome  
because it felt like  
I was IN space."**

*Quotes from elementary groups*



## What Does The STEM Career Fair Do?

The STEM Career Fair program introduces exciting STEM (Science, Technology, Engineering and Math) job opportunities to students. Multiple presenters are provided from a diverse range of STEM careers. We bring this program into schools all across Lancaster County, Sept-June.



The visitors explain how they use science and/or technology in their everyday work life. The students interact with equipment or a tool (i.e. blueprints, stethoscope, or example on a laptop etc.) while the presenters share their job experiences, training and background. The program is very interactive, fun, and meets the Chapter 339 requirements from the PA Department of Education. Following the Fair, students are provided with a STEM Career Fair Certificate of Completion.



During a typical school year, the North Museum provides this program to more than 4000 students in 40+ schools with 150 volunteer presenters from 70+ employers.



# STEM After School Workshop

## What Is STEM After School?

The STE(A)M Workshop is an after-school program designed for 4th through 8th graders. Fun, hands-on activities led by trained instructors and STEAM-industry (Science, Technology, Engineering, Arts and Math) professionals create a one-of-a-kind experience to keep kids engaged and excited about learning. We ensure students are up and out of their seats, taking them outside or into larger areas of the school / facility to engage in interactive problem solving, that is collaborative and innovative.

Our instructors share the latest technology and most up to date teaching techniques in partnership with area post-secondary schools. This customized program makes after school time fun, yet educational.





## What Are the North Museum Preschool Programs?

The North Museum continues to bring valuable STEM Education to visitors of all ages both in the museum and throughout central Pennsylvania. The North Museum Preschool Programs bring hands on educational experiences to pre kindergarten aged children with

### **Little Explorer and Me**

As part of our Early Childhood Initiative, the Little Explorer & Me program is a place for local parents and caregivers to exchange tips and information in an informal setting. Children enjoy specially selected items that complement a specific theme, while parents receive educational resources and meet other local families. Little Explorer and Me focuses on connecting science to the everyday play experiences of a preschooler, turning building blocks into engineering, sand and water into chemistry and so much more.

### **STEM Storytime**

STEM Storytime pairs a live story presentation with hands-on thematic activities specifically designed to introduce new scientific concepts to children aged 2 to 5. This program provides preschoolers with an introduction to scientific concepts and introduces new vocabulary using the familiar and enjoyable tool of picture books. After storytime, children engage in experiments, games and crafts that reinforce these newly introduced concepts to enhance the learning experience.

### **Preschool Picassos**

Our newest early childhood program focuses on the connection between science and the visual arts, celebrating the A in STEAM. Preschool Picassos provides visitors with unique art experiences, introducing both experimentation and technique to an early childhood audience. The introduction of artistic expression and creativity helps to bring STEM based learning a new level of accessibility through these engaging activities that are not only fun, but cover a wide range of disciplines.



Science & Engineering Fair Benefit Program	\$2.5k	\$5k	\$7.5k	\$10k	\$15k	\$25k	\$50k
<b>DIGITAL MARKETING</b>							
LISTING on Science & Engineering Fair Landing Page on the North Museum Website	●	●					
Click-through LOGO on Science & Engineering Fair Landing Page on the North Museum Website			●	●	●	●	●
LISTING on Science & Engineering Fair Emails	●	●	●	●	●	●	●
LOGO on Science & Engineering Fair Emails			●	●	●	●	●
LISTING on Science & Engineering Fair Email (25k households)			●	●	●	●	●
LOGO on Science & Engineering Fair Email (25k households)				●	●	●	●
See "Platinum Benefit Program," for additional digital marketing benefits							
<b>PRINT &amp; PRESS</b>							
LISTING in award winners announcement in paper	●	●	●	●	●	●	●
LOGO in award winners announcement in paper			●	●	●	●	●
Inclusion in Science & Engineering Fair Press Release	●	●	●	●	●	●	●
LISTING in the Science & Engineering Fair Program & Event Signage, and in the evenings Power Point	●	●					
LOGO in the Science & Engineering Fair Program, Event Signage, and in the evenings Power Point			●	●	●	●	●
Corporate Banners at the Science & Engineering Fair and Celebration of Science event	●	●	●	●	●	●	●
Ad in Program ●1/4 pg; ●●1/2 pg; ●●●full page		●	●	●●	●●	●●●	●●●●
<b>EVENT/SPECIAL FEATURE</b>							
Presenting Sponsor						●	●
Naming Opportunity: Science Fair Category (23)*	●	●	●	●	●	●	●
Senior Division Presenting Sponsor				●	●	●	●
Junior Division Presenting Sponsor				●	●	●	●
Celebration Presenting Sponsor				●	●	●	●
ISEF Representation Presenting Sponsor				●	●	●	●
<b>AWARDS CEREMONY</b>							
Recognition from Podium	●	●	●	●	●	●	●
Naming Opportunity: Grand Champion (5)*		●	●	●	●	●	●
Naming Opportunity: LNP Interview Grand Champion (5 ) and Presenting Sponsor*						●	●
Naming Opportunity: Key Note Speaker*						●	●

\*First Commitment



STEM Sisters Benefit Program	\$2.5k	\$5k	\$7.5k	\$10k	\$15k	\$25k	\$50k
<b>DIGITAL MARKETING</b>							
LISTING on STEM Sisters Landing Page on the North Museum Website	●	●					
Click-through LOGO on STEM Sisters Landing Page on the North Museum Website		●	●	●	●	●	●
LISTING on STEM Sisters Emails	●	●	●	●	●	●	●
LOGO on STEM Sisters Emails		●	●	●	●	●	●
<i>See "Platinum Benefit Program," for additional digital marketing benefits</i>							
<b>PRINT &amp; PRESS</b>							
Inclusion in STEM Sisters Press Release	●	●	●	●	●	●	●
LISTING in the Final Event Program & Event Signage, and in the evenings Power Point	●	●					
LOGO in the Final Event Program, Event Signage, and in the evenings Power Point			●	●	●	●	●
Corporate Banners at the Final Event	●	●	●	●	●	●	●
LISTING on STEM Sisters Annual Participation Certificate	●	●	●	●	●	●	●
LISTING on STEM Sisters Annual Participation Certificate		●	●	●	●	●	●
Ad in Program ●1/4 pg; ●●1/2 pg; ●●●full page		●	●	●●	●●	●●●	●●●
<b>FIELD TRIP EVENT</b>							
Naming Opportunity: Site Visit (6)*	●	●	●	●	●	●	●
Naming Opportunity: Monthly Event (12)*	●	●	●	●	●	●	●
Naming Opportunity: Kick-Off Event (1)*		●	●	●	●	●	●
Individualized STEM Career Exploratory Tool and Mentorship (\$2,500 per girl)	●	●	●	●	●	●	●
<b>FINAL EVENT</b>							
Recognition from Podium	●	●	●	●	●	●	●
Naming Opportunity: Emcee *				●	●	●	●
Naming Opportunity: Key Note Speaker*						●	●

\*First Commitment



Platinum Benefit Program	\$2.5k	\$5k	\$7.5k	\$10k	\$15k	\$25k	\$50k
<b>DIGITAL MARKETING</b>							
LISTING in Shared End of Year Sponsorship Celebration post on Facebook and Instagram	●						
LOGO in Shared End of Year Sponsorship Celebration post on Facebook and Instagram		●	●	●	●	●	●
LISTING on the North Museum Homepage		●	●				
LOGO on the North Museum Homepage				●	●	●	●
LISTING on North Museum Weekly Email (52x/yr; July - June; 6k households)		●	●				
LOGO on North Museum Weekly Email (52x/yr; July - June; 6k households)				●	●	●	●
<b>PRINT &amp; PRESS</b>							
LISTING in End of Year Sponsorship Celebration ad in LNP	●						
LOGO in End of Year Sponsorship Celebration ad in LNP		●	●	●	●	●	●
LISTING in End of Year Sponsorship Celebration Signage	●						
LOGO in End of Year Sponsorship Celebration Signage		●	●	●	●	●	●
Designated Press Release noting your support to the North Museum				●	●	●	●
LISTING IN North Museum FIG Ad				●	●	●	●
<b>EXCLUSIVE EMPLOYEE ENGAGEMENT ACCESS</b>							
Access to Our North Museum @ Home Corporate Portal		●	●	●	●	●	●
Corporate Memberships (50 Memberships)				●	●	●	●
Tickets Bundles to Summer Family Fun Fest (up to 24 tickets)				●	●	●	●
Planetarium Rental and private screening for your corporation				●	●	●	●
Private Museum Rental for your corporation. <b>Includes:</b> Access to the museum, behind the scenes collections tour, & private planetarium screening						●	●

\*First Commitment

# Sponsor/Pledge Sheet



## Sponsorship Levels

- |                                   |                                   |                                       |
|-----------------------------------|-----------------------------------|---------------------------------------|
| <input type="checkbox"/> \$50,000 | <input type="checkbox"/> \$10,000 | <input type="checkbox"/> \$2,500      |
| <input type="checkbox"/> \$25,000 | <input type="checkbox"/> \$7,500  | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> \$15,000 | <input type="checkbox"/> \$5,000  |                                       |

## Select an Education Program

- |                                       |                                                       |                                           |                                            |
|---------------------------------------|-------------------------------------------------------|-------------------------------------------|--------------------------------------------|
| <input type="checkbox"/> STEM Sisters | <input type="checkbox"/> Science and Engineering Fair | <input type="checkbox"/> STEM Career Fair | <input type="checkbox"/> STEM After School |
| <input type="checkbox"/> Field Trips  | <input type="checkbox"/> Preschool Programs           |                                           |                                            |

COMPANY: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

PHONE: \_\_\_\_\_

EMAIL: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_

STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

CASH / CHECK    VISA    MC    AMEX    DISCOVER

CARD #: \_\_\_\_\_

EXP DATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

AUTH SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_



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