Field Trip Guide

Graphing
Mathematics

Scheduled Programs and Events:

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Reinforce student learning by asking questions such as:

- What do you notice?
- How do you know?
- Why do you think that?
- Have you ever seen anything like this before?

Chaperone's Name:

Please Remember: Chaperones must stay with students at all times and are responsible for the safety of their students and the exhibits they visit.

Teacher Contact:

Students in Your Group:

Thank you for being a Museum chaperone!
Learn about Graphing

Human Body Connection
Green Wing, Level 2
This staffed exhibit incorporates biology, technology, and mathematics through displays and interactives on human anatomy and physiology, variability within populations, and evolution. Measure your height, take your pulse, determine your reaction time, and more.

Starting Points:
• Mark your height on the wall chart. What can you learn by interpreting this graph? What additional data would you like to see?
• Ask an educator to try the PTC taste test and plot your data on the graph.

Science in the Park
Blue Wing, Level 2
Science in the Park explores the concepts of force and motion and offers many opportunities to collect data on the behavior of moving objects, such as balls, wheels, and pendulums.

Starting Points:
• Try out the “Jump” platform. What patterns do you notice on the computer graph as you jump?
• Generate a graph showing velocity versus time at “Speed Up.” How does the graph change when you move the cart forward or back?

Investigate! A See-for-Yourself Exhibit
Blue Wing, Level 2
This highly interactive exhibit gives students practice in thinking like scientists. We provide equipment and materials to do a variety of investigations, as well as some ideas on how to get started. From there, it’s up to you to decide where to go!

Starting Points:
• Use the “Motion Match” to create a graph of your movement. Is matching your movements to the graph easier or harder than you expected?
• Find another area of this exhibit that uses a graph. What did you find out from the data on the graph?

WeatherWise
Blue Wing, Lower Level
Not accessible during Lightning presentations at 12:00 p.m. and 2:00 p.m. daily
Move through the scales of weather: global, national, regional, local, and personal. Mish Michaels of WBZ-TV leads you through the steps of learning a skill called “nowcasting.”

Starting Points:
• Observe various weather patterns at “Today’s Weather.” How can you use that data to draw a conclusion about the current weather?
• Why is it important for meteorologists to collect and interpret data?
What Did You Learn about Graphing?

Please answer the following questions with your students, then return this page to the teacher.

Chaperone’s Name: _____________________________________________________________

As a group, write about three experiences or exhibits that you enjoyed.

1. ____________________________________________________________________________
   ____________________________________________________________________________

2. ____________________________________________________________________________
   ____________________________________________________________________________

3. ____________________________________________________________________________
   ____________________________________________________________________________

Choose two group members to draw or describe interesting things that you saw:

1. ____________________________ 2. ____________________________

What graphing tools did you use today? What tips did you discover about interpreting graphs?

______________________________________________________________________________

______________________________________________________________________________

______________________________________________________________________________

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