Field Trip Guide

Scheduled Programs and Events:

<table>
<thead>
<tr>
<th>Time</th>
<th>Meeting Place</th>
<th>Program and Event</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Museum Lobby</td>
<td>Departure</td>
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</tbody>
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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?

Thank you for being a Museum chaperone!
Learn about Scale

Making Models
*Blue Wing, Level 1*

Scientists and mathematicians use models to understand the real world. Models take the place of things that may be too big or too small to work with directly. Maps, charts, and graphs are all kinds of models.

**Starting Points:**
- Can you find a model of something that is larger than life?
  Smaller than life? Life size?
- How do the *T. rex* models found here compare to the *T. rex* model in the *Dinosaurs: Modeling the Mesozoic* exhibit?

Math Moves!
*Blue Wing, Level 1*

Bigger/smaller, faster/slower, heavier/lighter—use your body to explore ratios and proportion in our newest math exhibit!

**Starting Points:**
- Try “Shadow Fractions” and use the shapes on the table to make shadows. Compare the size of the shape to its shadow. Line up one type of shape (all of the houses, all of the trees, etc.) so that each shadow is twice as big as the next.
- The three chairs in the “Comparing Forms” activity are part of a pattern. Measure them and predict the size of the next biggest chair. How big would it be?

Dinosaurs: Modeling the Mesozoic
*Blue Wing, Lower Level*

The evidence we collect from fossils tells part of an amazing tale. Get up close to our full-size *Tyrannosaurus rex*, then compare it to the scaled models in *Making Models*. Touch real dinosaur bones, footprints, and even fossilized dung.

**Starting Points:**
- How do you shrink a dinosaur? Experiment with the blocks to figure out how the model *Coelophysis* compares in size to a real *Coelophysis*.
- What can the size of a single clue, such as a footprint or a tooth, tell you about the size of a dinosaur? What can’t it tell you?

WeatherWise
*Blue Wing, Lower Level*

Not accessible during Lightning presentations (check the Museum map/guide for presentation schedule)

Move through the scales of weather: global, national, regional, local, and personal as former WBZ-TV meteorologist Mish Michaels leads you through the steps of learning a skill called “nowcasting.”

**Starting Points:**
- Meteorologists consider scale every day. Look around the exhibit to find maps or other representations that use different scales. Try to estimate the scale of each one.
- Would you need different data to predict the weather locally versus nationally? Globally?
What Did You Learn about Scale?

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 is one question about scale that your group wants to learn more about?

____________________________________________________

____________________________________________________

____________________________________________________

Funded through the generous support of Liberty Mutual