In this field trip-based exercise you will work independently to create a field trip guide of building stones preserved in historic structures of Lower Manhattan. The goal of this assignment is to create a document that would allow a colleague to retrace your steps and learn about the geological and historical aspects of buildings stones in Lower Manhattan.

For this report you will have to include the following:

- Provide a street map of your walking route with the locations of all key buildings (those which you describe) marked and labeled to correspond with descriptions.
- A thorough description building and the stones from which they are made in structures spanning approximately 200 years of New York history. Descriptions for each building must include:
  1) A headline which includes the name and address of the building, the date of construction, and names of buildings stones used.
  2) Written descriptions of buildings stone (color, grain size, fabrics, fossils, identifiable minerals), where each material is located on the building, and the state of preservation/deterioration of each rock.
  3) Photos illustrating representative images of the stone and its key features, with figure titles and numbers, and reference to the figure numbers in the text. Photos from classmates may be used, and in fact, the sharing of such photos is encouraged in order to improve the quality of the guidebook. Attribution must be given to each non-original image.
  4) Historic facts about the building with references cited.
- The report must include a summary in which you note historical and geographic trends in the materials used to build within New York City, and an explanation to account for these trends.

Learning Objectives

Students will be able to:
- Describe the geological materials exposed in New York’s buildings.
- Navigate using a simple street map.
- Describe how the use of building materials changed over time due to available resources and financial considerations.
- Describe the visual properties of rocks.
- Correlate rock types, rock properties, and preservation/deterioration aspects of rocks.
- Design a guidebook that will allow others to follow a self-guided tour route.
- Cite resources accurately and completely.
## Grading Rubric for the Building Stone Guide

<table>
<thead>
<tr>
<th>Aspect of the Report</th>
<th>Grade Point</th>
<th>%</th>
<th>Score</th>
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<tbody>
<tr>
<td>Completeness and accuracy of location and route map, including the location of all buildings described in the report. Source of map must be cited.</td>
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<tr>
<td>Completeness and accuracy of rock descriptions</td>
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<td>30</td>
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<tr>
<td>Quality of supporting illustrations and photos, and their appropriate integration into the text. Citations are provided for all non-original images. (Lack of citations will result in a 0.)</td>
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<tr>
<td>Quality of summary in which the building stone descriptions are integrated into NYC history. All research references are cited. (Lack of citations will result in a 0.)</td>
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<td>Quality of writing</td>
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<td>10</td>
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TOTAL out of 4 =