**Scale Model Project**

1. Choose an international building/landmark/object. _______________________________

2. Find all the dimensions of the building/landmark/object (to the nearest unit): You need to have at least 3 dimensions of the object to scale. If you need help finding dimensions, come see me. You may need to use indirect measurement to determine dimensions.

<table>
<thead>
<tr>
<th>Dimension being scaled</th>
<th>Actual measurements</th>
<th>Source for dimension and/or work shown for calculating the dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ex. height of building</td>
<td>Ex. 550 ft</td>
<td>Ex. <a href="http://www.wikipedia.com">www.wikipedia.com</a></td>
</tr>
</tbody>
</table>

3. Print a picture of the object. On the picture label the dimensions that you are going to enlarge/reduce.

4. Choose a scale to use for your object (model can NOT have any dimension larger than 36 in):
   (Example: 5 inches = 10 feet)

5. **Show your proportions/work** you used to find each dimension being scaled on your model. Then record dimensions in table in part 6.
6. Give the dimensions of the model you are going to build:

<table>
<thead>
<tr>
<th>Dimension of object</th>
<th>Actual measurement</th>
<th>Scale</th>
<th>Measurement of the model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ex. height</td>
<td>Ex. 550 ft.</td>
<td>Ex. 3 in = 50 ft</td>
<td>Ex. 33 in.</td>
</tr>
</tbody>
</table>

7. Create your scale model of the object. Your model should depict the real-life item. The dimensions of the model should be correct and the corresponding dimensions should be proportional.

8. Write a one-page paper discussing any interesting facts about your building/landmark/object. Be sure to cite where you got your information.
   - What is its significance?
   - How is it or was it used?
   - Who created/made it and why?
   - When/where was it made?
Reduction Idea possibilities, but not limited to:
The Gherkin
Tower of Pisa
Pantheon
Parthenon
Thames Barrier
Burj Khalifa
Taipei 101
Rome Colloseum
Eiffel Tower
Sphinx
Bank of China Tower
Taj Mahal
Kolka Lighthouse
Big Ben
Moulin Rouge
Isthur Gate
Messeturm
Venice Campanile
Torii of Itsukushina
Windmills at Kinderdijk
Agia Sofia in Istanbul
Acropolis of Athens
Al Aqsa
The Globe at North Cape
Chichen Itza
Petronas Towers
St Basil's Cathedral
Villa Savoye
The Louvre
China Central Television Headquarters
Elephant Tower
Tokyo Mode Gakuen Cocoon Tower
Shanghai World Financial Center
Turning Torso
The Arc de Triomphe
Atomium

Enlargement Idea possibilities, but not limited to:
International coins, small international artifacts, other small international objects/products