***Materials***

1. Plastic mountain bin with lid
2. Tape
3. Ruler
4. Water
5. Cups
6. Chyna Marker
7. Wet erase markers
8. Transparency paper
9. Printer paper

***Procedure***

1. Using the ruler and a black China marker, make marks up the side of the storage box that are 1 cm apart. Keep in mind the bottom of the box will be zero elevation.
2. Secure the transparency to the outside of the box lid with tape. (Tape the transparency horizontally – don’t tape to the side that has a corner missing.)
3. Have one person carefully pour water, from the beaker, into the plastic box to a height of 1 cm. Then, place the lid on the box. – BE SURE TO PUT THE LID ON THE SAME WAY EACH TIME SO YOUR MAP STAYS ACCURATE!!!
4. Use the transparency marker to trace the top of the water line on the transparency.
5. Using the scale 1 cm = 5 m, mark the elevation on the line.

1 cm = 5 m

2 cm = 10 m

3 cm = 15 m…

1. Repeat the process of adding 1 cm of water and tracing until the landform is mapped.
2. Transfer the tracing of the landform onto a sheet of white paper provided.
3. Clean-up:
   1. Dump out water – dry plastic boxes out
   2. Clean off transparencies with maps drawn
   3. Bring beakers to materials table
   4. Bring transparency markers to materials table
   5. Bring China markers to materials table
   6. Pile up rulers on middle of desks
   7. Throw out tape