***Topographic Map Lab Procedure***

**\*MAKE SURE TO WRITE OBSERVATIONS\***

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**