**TO BUILD A GEODESIC DOME:**

**SEGMENT 1:**
1. Tape ten longs together to make a circle, which will form the base of the dome.

1. Tape a long and a short to each joint. Arrange them so two longs are next to each other and two shorts are next to each other and so on.

2. Tape the tops of the two adjacent shorts together to make a triangle. Tape the next two longs together, and so on all the way around.
SEGMENT 2:

3. Form another circle out of ten shorts to create the base for the next layer.

4. At every other joint, attach a short sticking straight up.

5. Attach two longs to each short from the joints on either side of the short, forming new triangles.

6. Attach the base of Segment 2 to the top of the triangles of Segment 1. Segment 1’s short triangles should align with Segment 2’s short vertical tubes.
SEGMENT 3:

8. Create a circle with five longs. Tape a short at each joint (should be 5 shorts) and connect the tips of all of the shorts forming a single point.

9. Connect this final segment to the rest of the dome.