



Pump Station Instructions

1. Feed enough of the balloon neck on the pump so that it's easy to tie it afterwards
 2. Review the balloon tying instructions to tie your balloons
 3. Place the balloons on the painters' tape once they're inflated - They won't fly away!
 4. If the table fills with inflated balloons, place balloons into a garbage bag - Make sure they're all facing the same way
 5. Pass the bag of inflated balloons to the calibration station -
**PLEASE DON'T GIVE THESE BALLOONS FOR HAT MAKING -
EVERYONE CAN DO THAT AT THE EXPLORATION STATION**
- *Balloons need to be at least 34" long AND have at least a 1" tail



Calibration Station Instructions

THIS WORKS BEST WITH A 2-PERSON TEAM!

1. Line up the tied end of 6 balloons next to the 0" mark on the yardstick
2. At the 0" mark (the top of the tied end of the balloon), write "A" on the balloons
3. While the 2nd person holds the balloons straight, mark '1' on the balloons at the 11" mark.
4. While the 2nd person holds the balloons straight, mark '2' on the balloons at the 22" mark.
5. Mark '3' on the balloons at the 33" mark.
6. Place the marked balloons in a garbage bag. They should only go to the tetra station NOT for individual balloon exploration.
7. Repeat the process with 6 more balloons BUT this time mark the balloons with the sequence "B", "4", "5" and "6".
8. Continue alternating with groups of 6 balloons.



Tetra Station Instructions

Overarching Goal: Use 2 legs of one balloon and 1 leg from the other balloon to form your base. Use the remaining three legs to create your 3D tetra.

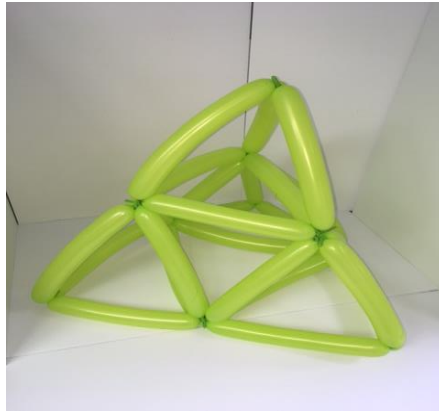
PLEASE FOLLOW OUR INSTRUCTIONS SO WE HAVE UNIFORM TETRAS.

AT EACH VERTEX, ONLY TWIST 2 TO 3 TIMES SO THE BALLOON SEGMENTS AREN'T TOO TIGHT – THEY MAY POP!

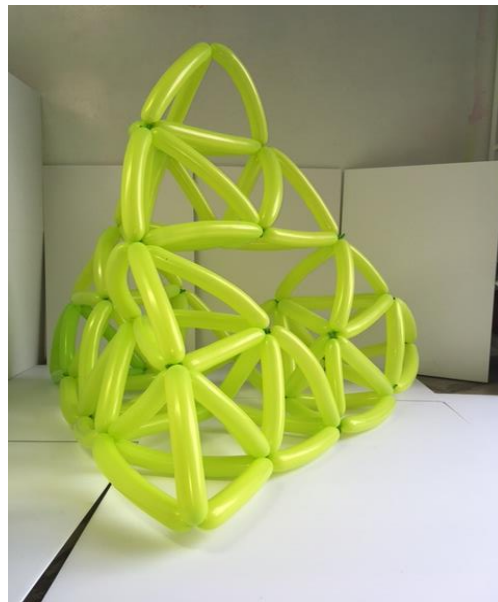
1. Twist at 1
2. Twist 6 into 1 (squeeze balloon at number to get correct length)
3. Twist 5 (anchor balloon with your arm)
4. Twist 4
5. Twist A into 4 – When you twist tied ends of balloons, wrap the balloon end around the tied end rather than trying to wrap the tied loose end around the balloon.
6. Twist B into 2
7. Twist 3 at 5
8. Leave all tails on your tetra. They will be cleaned up later on.
9. Place your completed tetra on the stick painters' tape so it doesn't blow away.

Assembly Station Instructions

4 Stage 0 Tetras → 1 Stage 1 Tetra



4 Stage 1 Tetras → 1 Stage 2 Tetra



4 Stage 3 Tetras → 1 Stage 3 Tetra

Use halves of uninflated balloons to tie vertices together



Tails Station Instructions

**THIS IS A VERY IMPORTANT STATION
WE NEED TO CUT OFF THE TAILS ON THE TETRAS
BUT
WE CAN'T LOSE ANY AIR
ASK AN EXPERT TO HELP YOU THE FIRST TIME!**

1. Use half of an uninflated balloon to tie off the tail right at the vertex.
2. Tie off the tail with one knot then twist the remains of the uninflated balloon around the vertex once or twice.
3. Tie one more knot to securely close off the tail.
4. Cut the balloon at the tip of the tail where there's a little extra room.
5. Wrap the newly deflated tail around the vertex.