

Spider Block Building Instructions

Gather Scouts in Patrols of about 7 and give each member a 5 gallon bucket and a 1 gallon milk jug.

1. Each Patrol member should obtain about 3 inches of water in his personal 5 gallon bucket. At the construction zone, consolidate all buckets of water into 1 very full 5 gallon bucket. This will be known as the Patrol Water Bucket. Once filled, set aside.

2. Next take your personal milk jug (with the lid still on if you have it) and cut the bottom off it, just below the handle, making a scoop (see photo at right). Place the milk jug bottom into one of the empty 5 gallon buckets. This will be known as the Patrol Trash Can. Once filled, set aside.



3. Next take your personal scoop and fill half full with concrete mix. Consolidate 7 scoops of concrete mix into 1 very full 5 gallon bucket. This will be known as the Dry Mix Concrete Bucket. Once filled, set aside.
4. Gather sets of plastic tubing. Each patrol will need 56 tube lengths. Tubes are bundled in groups of 7 tubes. Each Patrol will then gather 8 tube bundles.
5. Gather 4 Cinder Blocks.
 - a. In the designated area place cinder blocks into a square formation.
 - b. Separate the corners of the square a distance of at least 6 ft.
 - c. Holes in the cinder blocks should be facing the sky.
 - d. Make sure your block formation is at least 6 ft. away from your neighboring Patrol cinder block square.
6. Place 2 tube bundles near each of the cinder blocks (14 tubes).
7. Divide the dry concrete mix evenly into 4 portions. Using 4 of the remaining 5 gallon buckets, evenly divide the dry concrete mix into 4 mixing buckets.

8. Add a portion of water into each of the 4 mixing buckets. Using your scoops, slowly add water to the dry concrete mix, and mix with your shovel. Water should be added to the mix until the concrete turns into wet thick mud. No dry mix should remain in your bucket. Do not get the mix too runny, but also make sure it is not too thick.

9. Using your shovel, scoop the freshly mixed concrete out of the mixing bucket and transfer to the hole in the cinder block. Fill the cinder block to the top with mixed concrete. All remaining mixed concrete should be consolidated into one 5 gallon bucket. This will be known as the Patrol Scrap Concrete Bucket. Place dirty shovel into the Patrol Water Bucket for soaking and cleaning.



10. Now take 14 tubes (Spider Legs) and stick them into the concrete mix contained within each cinder block. Push the spider legs down to the bottom of the cinder block. You will need to push hard to get the leg all the way to the bottom of the block. Evenly arrange the Spider Legs around the cinder block. It should look like a 14 legged spider. Make sure the legs are evenly spaced apart.



11. Now take the Scrap Concrete Bucket and place a small scoop of the remaining mixed concrete and place on-top of the center of the Spider Block directly in the center to make the spider head.



12. Once your Spider Block is constructed and it passes your quality control check, clean your buckets using scoops of dirty water and cleaning your hands as you go.



13. As you go, consolidate all rinse water into one 5 gallon bucket. For proper disposal, all waste water can be taken to the edge of the road and poured into the ditch.