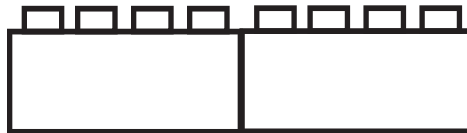


Before we learn about the complex ancient designs, we need to first learn the basic designs that were known since the first engineers.

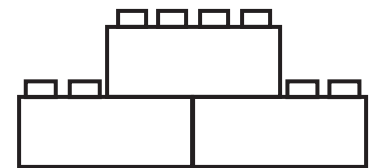
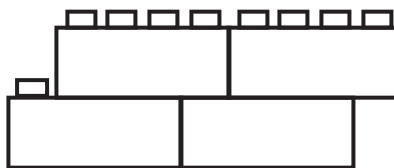
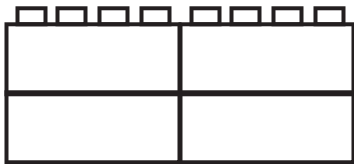


Learning to build strong *JOINTS!*

Joints are where two or more blocks meet. In a house, a joint would be where two pieces of wood meet.



You can build strong joints a couple of ways. One way is by overlapping the blocks on top of each other. If you have ever seen a brick wall, this is how the bricks are placed. Here are some examples of weak joints and strong joints. Which joint is the strongest? Build the examples and test them out!



Sandwiching is another way to make a very strong joint. In this type of joint, you use two plates, placing one on top and one on the bottom. Just how a “sandwich” has two pieces of bread, the plates are the bread that holds everything in the middle together!

