

Building Trellises

in your garden

Save space in your garden by growing vertically! Many crops like to climb – beans, squash, cucumbers, peas, and more. Getting these crops off the ground can also prevent rotting from contact with the soil.

Basic materials:

- Poles (bamboo, wood stakes, metal stakes, etc.)
- Netting
 - Ready-made plastic netting is reusable from year to year and can be cut to size
 - Make your own with twine or other sturdy string
 - Wire fencing
- Stake driver
 - Helpful for pushing metal poles into soil
- Brackets, screws, screwdriver
 - Helpful for attaching poles to the sides of a bed
- Twine or zip ties
 - Helpful for securing netting to stakes



Photo credit: LA Times



Photo credit: agriculturalsolutions.com

Wall style trellis

- Simple design
- Plant on either side to maximize space
- Easy harvesting
- Easy to take down at the end of the season

Triangular Designs

- More growing area than wall
- Plant on either side to maximize space
- Slightly harder harvesting in between panels
- Easy to take down at the end of the season



Photo credit: gardeners.com



Photo credit: pinterest.com



Photo credit: greenhousemegastore.com



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Roof Style Trellis Designs

- More growing area than other designs
- Plant shade tolerant crops underneath to maximize space
- Plan design for access to harvest underneath – foliage can create thick walls!
- Harder to take down at the end of the season

Connecting bamboo poles with Japanese Square Lashing



1. Start by using a 6 ft. section of twine. Fold it in half to find the mid-point.



2. Cross your twine horizontally over the bottom stake.



3. Taking both strands together, wrap to the upper right and around the backside of the vertical stake.



4. Cross the twine around the back of the vertical stake, through the top left corner, and pull down to the bottom left corner.



5. From the bottom left corner, wrap the twine around the back to the bottom right corner.



6. And then up to the top right corner.



7. Wrap the twine around the back of the vertical stake to the top left corner, and separate the two strings.



8. Send one of the strings across the top of the vertical stake horizontally to the top right corner. Send the other string down diagonally to the bottom right corner.



9. Cross the strings behind the right side of the horizontal stake



10. Bring the strings back around the front of the stakes and cross them horizontally across the vertical stake.



11. Cross the strings behind the left side of the horizontal stake. Bring one string down to the bottom left corner and the other across the top to the top right corner and then down behind the horizontal stake to the bottom right corner.



12. Tie the two strings in a double knot underneath the horizontal stake. The knot is now complete!



13. If you have additional string left, loop it around the back of the horizontal stake, down the front, and through the loop. Tighten.



14. Same on the left.



DONE!