

TUTORIAL

• *SERENA* •

WIRE WRAPPED PENDANT



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From the Artist,

Hi, This is Gopi from ArtsvilleHandcrafted, the maker and author of this Wire Wrapped Pendant tutorial. I hope you will enjoy creating with the guidance of this tutorial!!

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- *This tutorial is based on the size of stone that I am using, the wire lengths will change based on the stone size.*
- *You need a basic understanding of wire wrapping and should be able to hand form curves and shapes.*
- *The size of final pendant created in this tutorial is 2 ¾" Height X 2" Width.*
- *Please go through entire tutorial once before starting, to get the overall idea of how the pendant is being created.*
- *Refer the photos before creating any curve or fold.*
- *At every point where variation is possible I have listed those for you.*

Materials :

Stone :

Cabochon stones with flat back :

Shape: Triangular / Broad teardrop

Size: 40 mm Height x 42 mm Width

Beads:

Copper beads:

- 2 mm bead : 8 beads
- 2.5 mm bead : 4 beads
- 3 mm bead : 1 bead



Variation 1: You can definitely use Broad Teardrop shape or Heart shape cabochon for design.

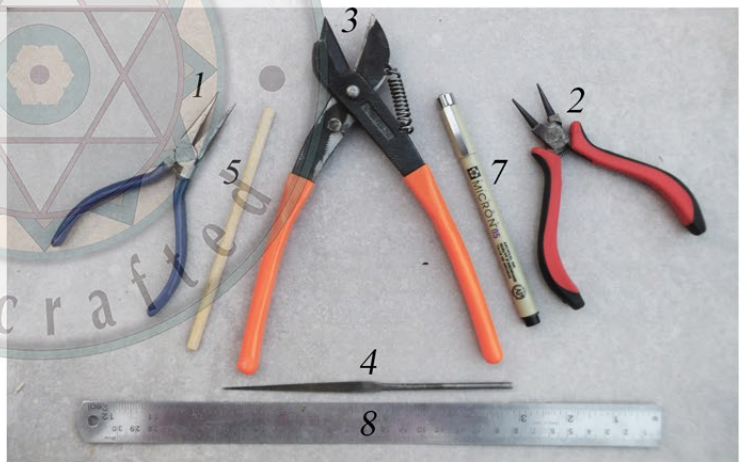
Wires :

1. 24" or 60 cm of 20ga (gauge) solid Half Hard Square copper wire – 2 pieces
2. 12" or 30.5 cm of 18ga (gauge) solid round dead soft copper wire – 1 pieces
3. 24" or 61 cm of 20ga (gauge) solid round dead soft copper wire, cut in following pieces:
 - 12" or 61 cm – 2 pieces
4. 252" or 640 cm 30ga (gauge) solid round dead soft copper wire, cut in following pieces:
 - 120" or 304 cm - 1 pieces
 - 60" or 152.4 cm - 1 piece
 - 36" or 91.4 cm - 2 pieces



Tools :

1. Flat nose pliers
2. Round nose pliers
3. Flush cutters for cutting the wire
4. File (to smooth out all cut ends of wire)
5. 5 mm round Dowel (or any round pencil or pen of that diameter. You can use the bail making pliers if you have them)
6. Jewelry Polishing pad or Nylon jaw pliers to straighten the wires
7. Marker pen
8. Ruler to measure



For Final Finishing :

You can leave the copper pendant as it is looking shiny or with natural tarnish. But I prefer to polish my pieces to high gloss, to do that you will need following

1. Liver of sulfur or any copper antiquing solution
2. Steel wool
3. Flexible Shaft Rotary Tool with Cotton buff wheel
4. Polishing compound of your choice

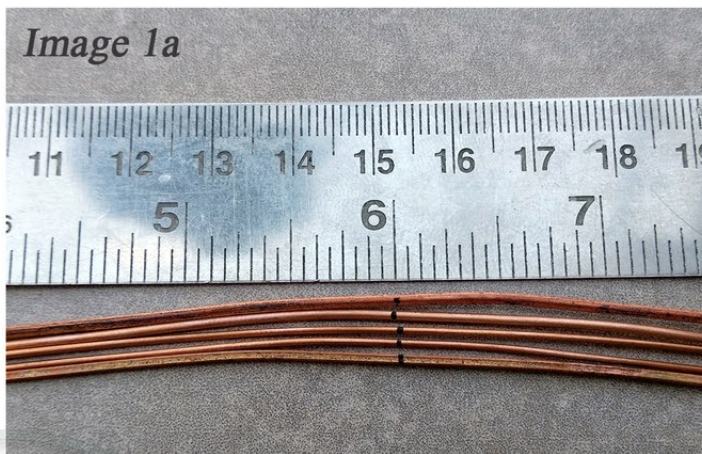
Let's get started then !!

Note 1: 30ga round wire is referred as weaving wire.

Step 1 :

Place all 12" wires in following order : 20ga Square, 18ga Round, 20ga Round, 20ga Round, 20ga Square.

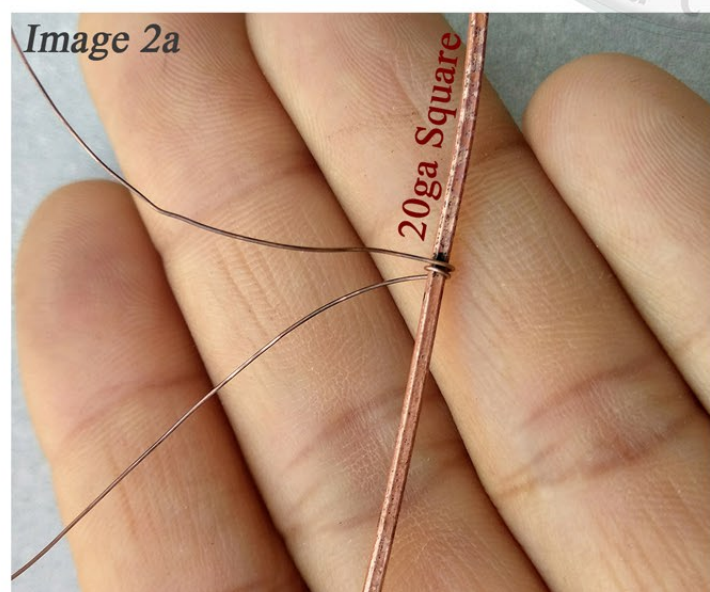
Mark all of their centers at 6".



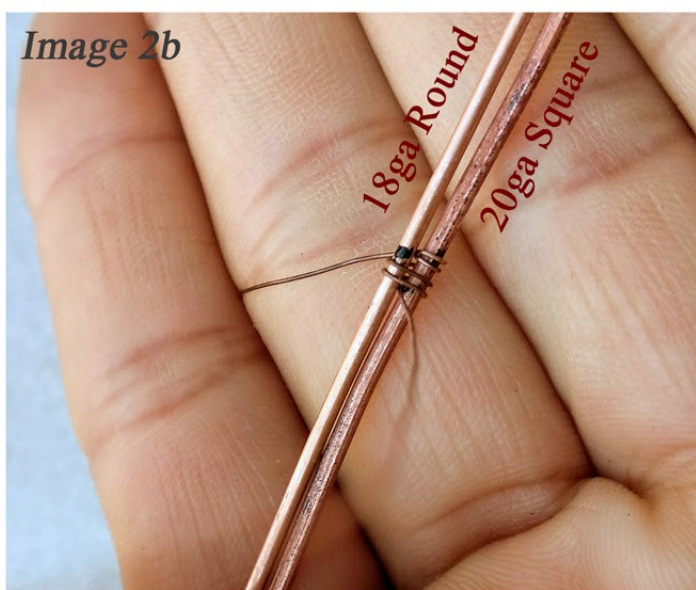
Step 2 :

We will now weave using the 120" piece of 30ga weaving wire. Hold the weaving wire at its centre. Start weaving at 5 mm right of marked center on base wires, weave towards left. Leave 60" of weaving wire towards right side for weaving on the right side. For the first rotation of weaving we will start by weaving on single wire and then add wires in every step. Below is one rotation of weaving:

Step 2a : Weave for two rotations of the 20ga square wire.

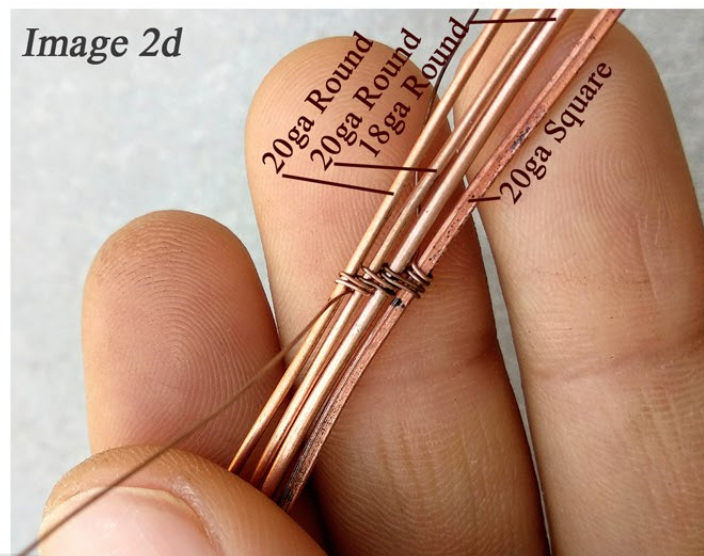
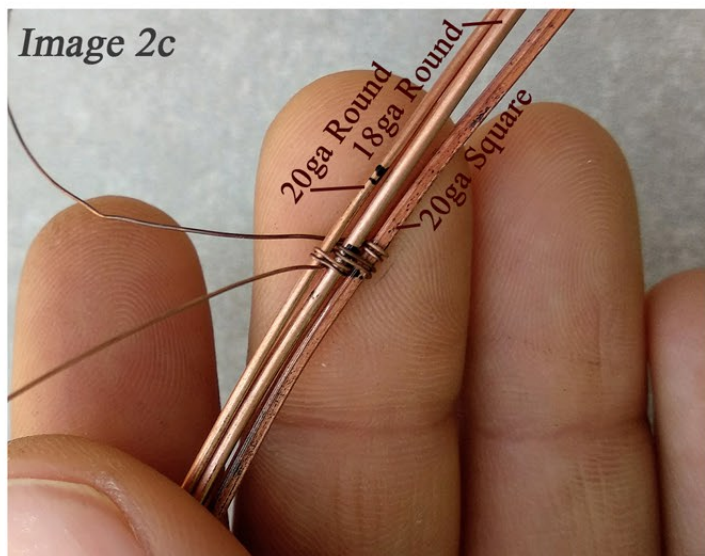


Step 2b : Weave for two rotations on both 20ga Square and 18ga Round, bring the weaving wire to the center of both wires.



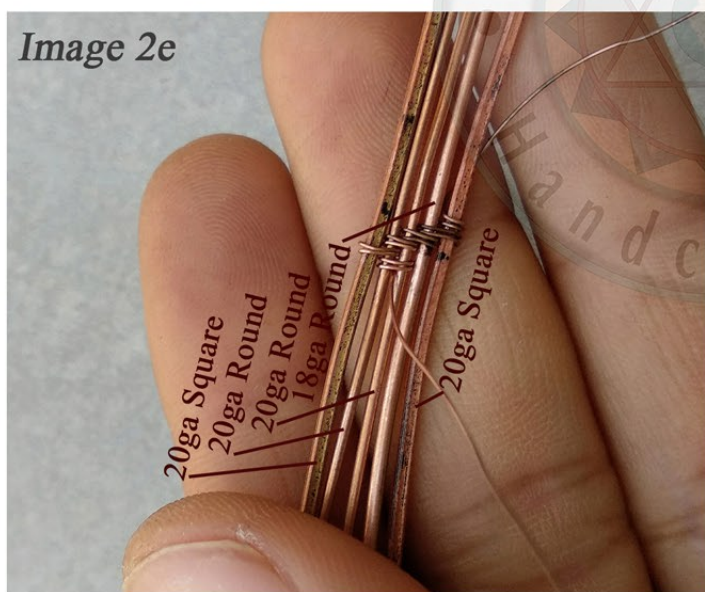
Step 2c : Weave for two rotations on 18ga Round and 20ga Round; bring the weaving wire to the center.

Step 2d : Weave for two rotations on both 20ga Round wires; bring the weaving wire to the center.



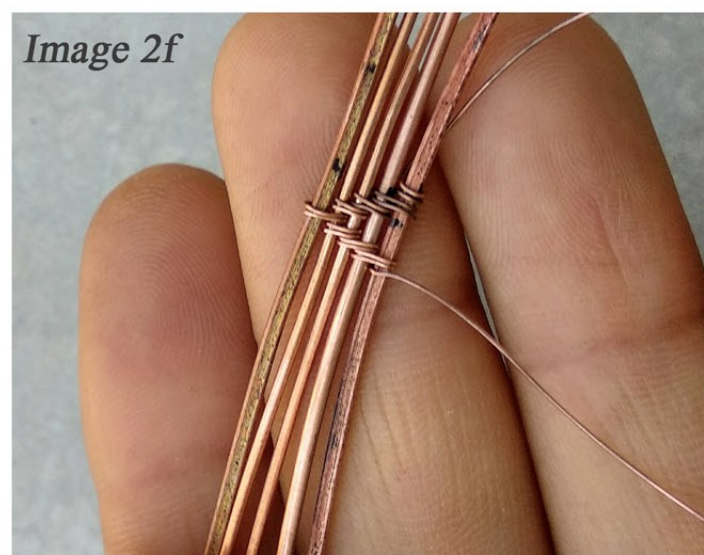
Step 2e : Weave for two rotations on 20ga Round and 20ga Square wire, bring the weaving wire between 18ga Round and 20ga Round wire.

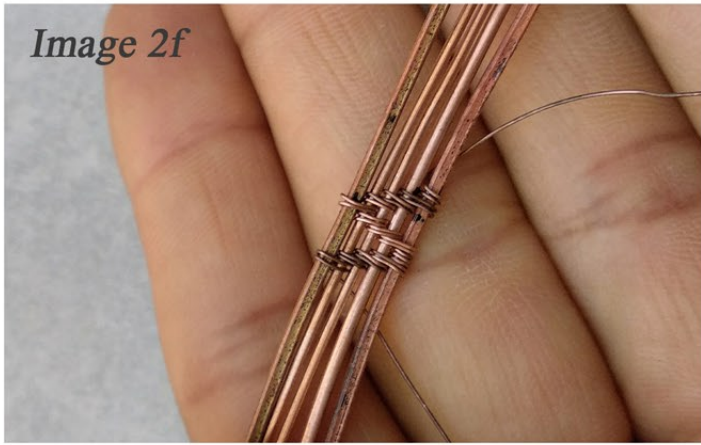
Step 2f : Weave for two rotations on both 20ga round wires; bring the weaving wire to the center.



Weave for to rotations of 20ga Round and 18ga Round wires, bring the weaving wire to their center.

Weave for two rotations on 18ga Round and 20ga Square wire, bring the weaving wire to the bottom of 20ga square and weave on 20ga square wire for 3 times.





This is one rotation of weaving, weave for 3 complete rotations.

Step 3 :

Go below the 20ga square wire and bring weaving wire up from between the 20ga square and 18ga round wires. Repeat for the weaving wire on the other side. We will now weave on the central three wires. Two 20ga round wires and one 18ga round wire.

Step 4 :

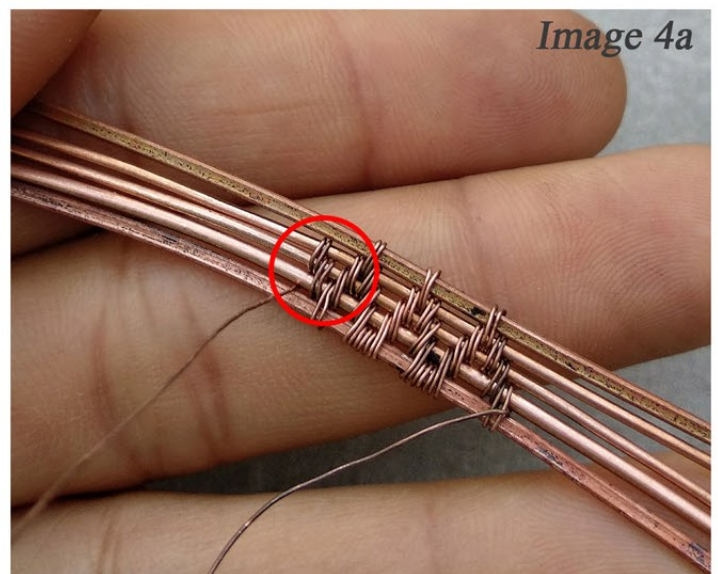
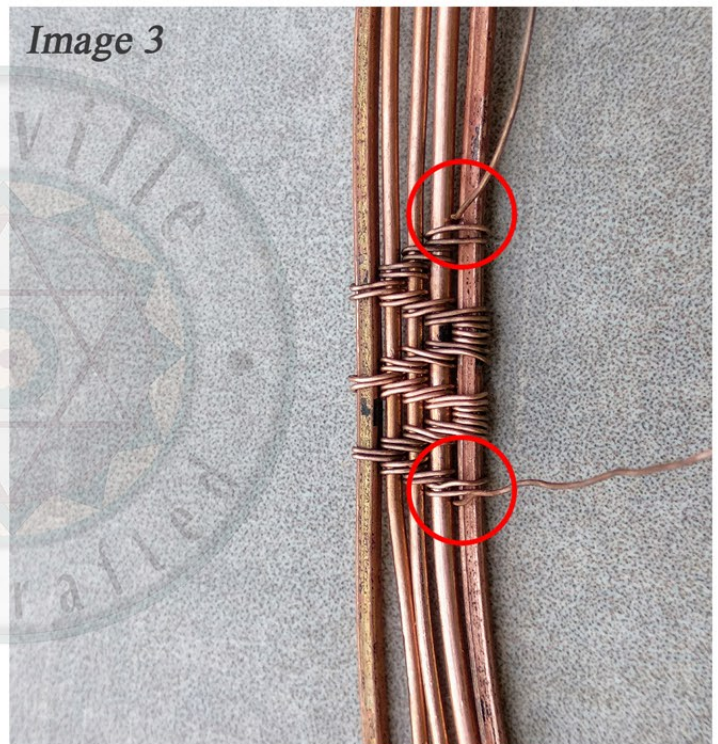
Below is one rotation of weaving:

- Weave for two rotations on 18ga round and 20ga round wires, after second rotation go down from the top of 20ga round and come up from the center of 18ga wire and 20ga wire.
- Weave for two rotations around two 20ga wires. On second rotation take the wire down to the bottom of 18ga wire.

Weave for 20 rotations on one side.

Rotate the wires and weave for 20 rotations on the other side.

Do not cut the weaving wires.



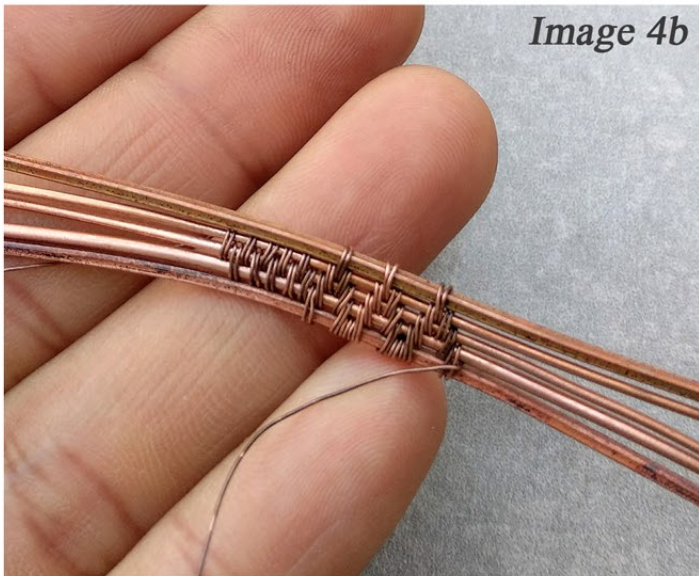


Image 4b

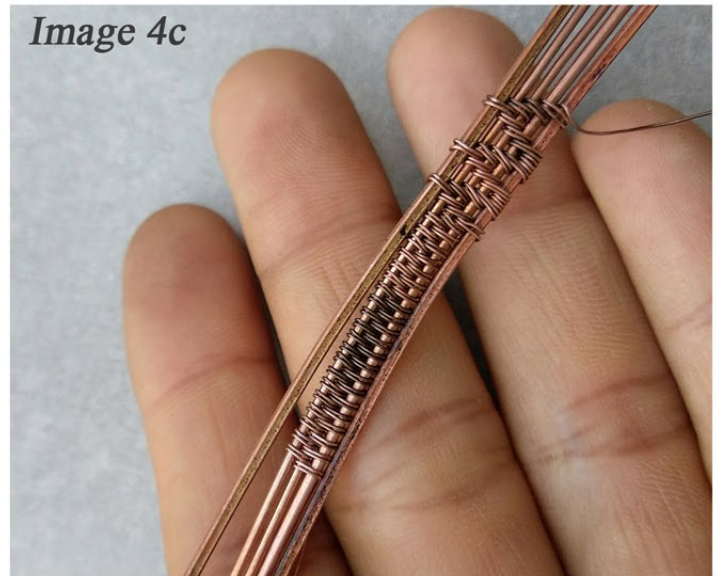


Image 4c

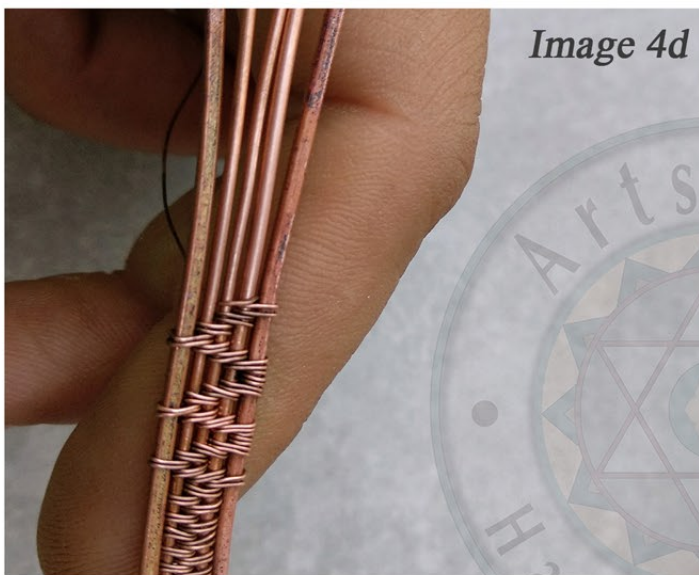


Image 4d

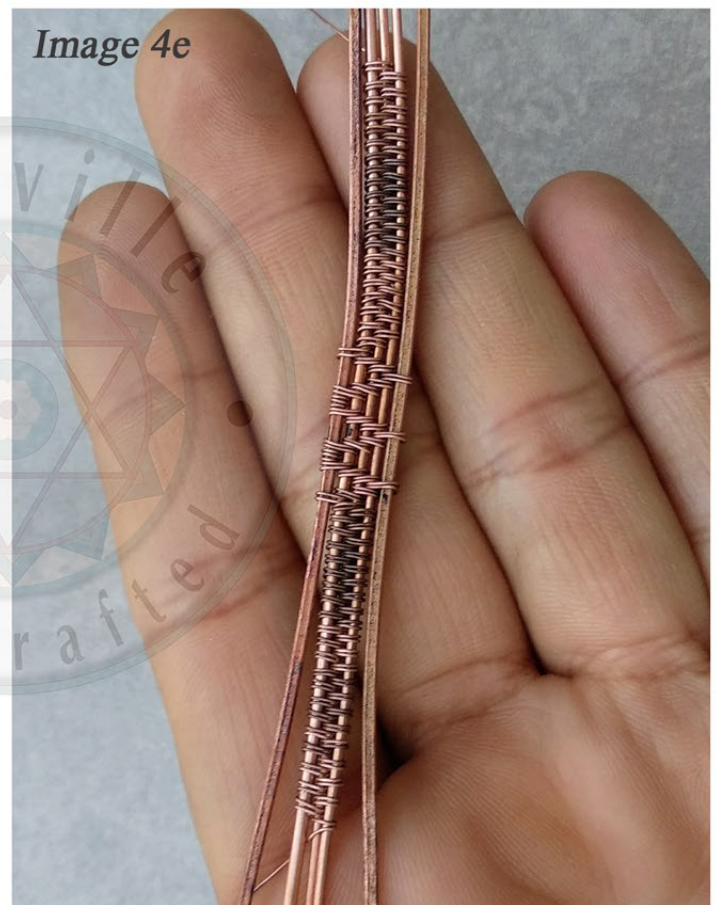


Image 4e

Step 5 :

Now hold flat nose pliers at the center of the weaving and fold the wires to create 'V' shape. This shape has to be at an angle similar to that of the stone.

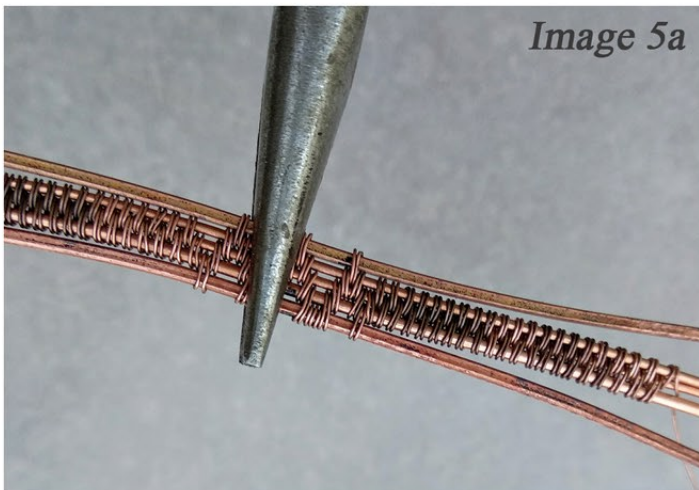


Image 5a



Image 5b

Step 6 :

Step 6a

Continue to weave on central 3 wires, as per Step 4 for more 18 rotations on both sides. So total of 38 rotations on both sides.

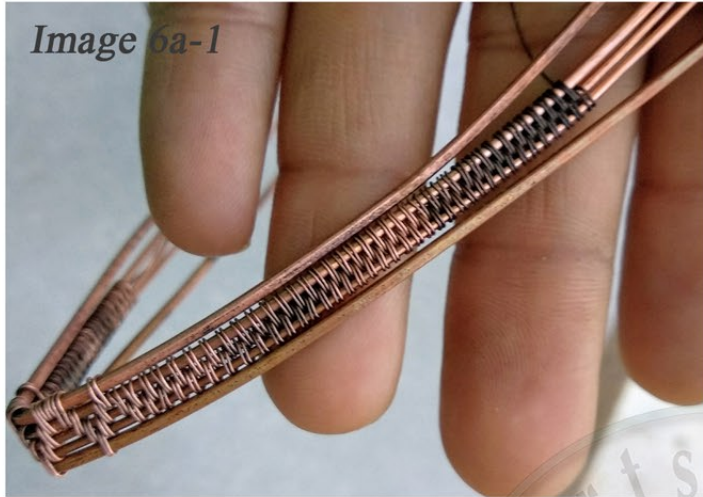


Image 6a-1



Image 6a-2

Step 6b :

At the 38th rotation on left side, take the weaving wire up to the upper side of top square wire. And weave as per step 2 till you reach the bottom square wire.

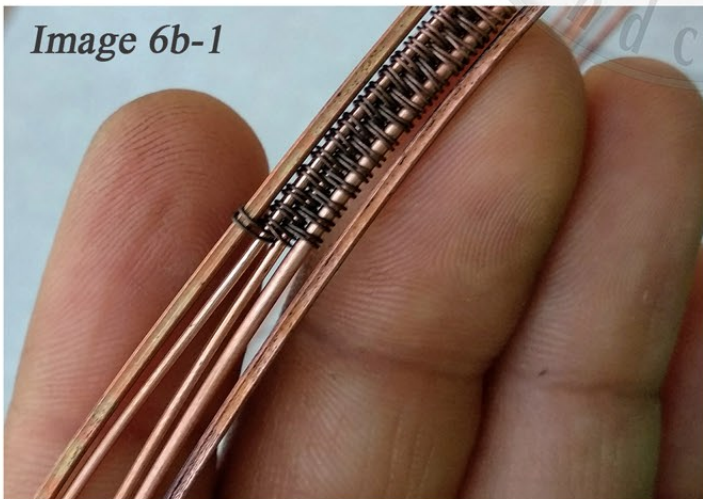


Image 6b-1

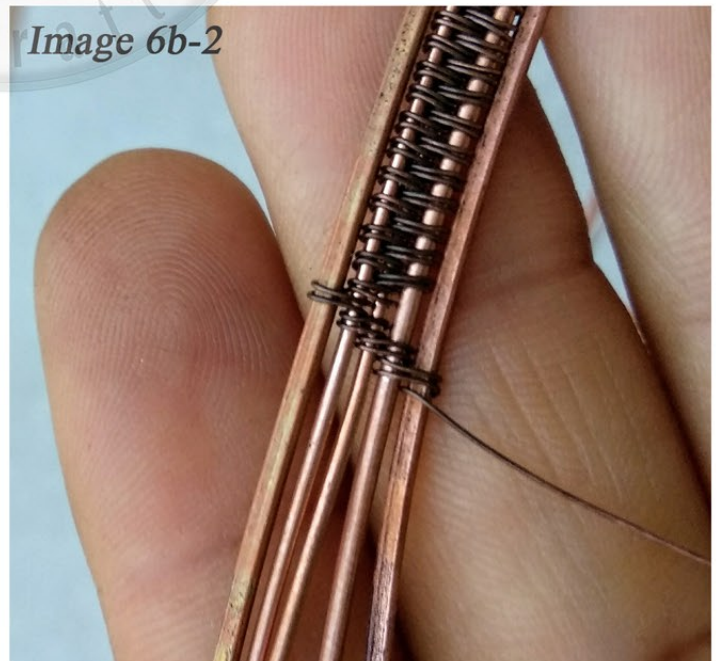
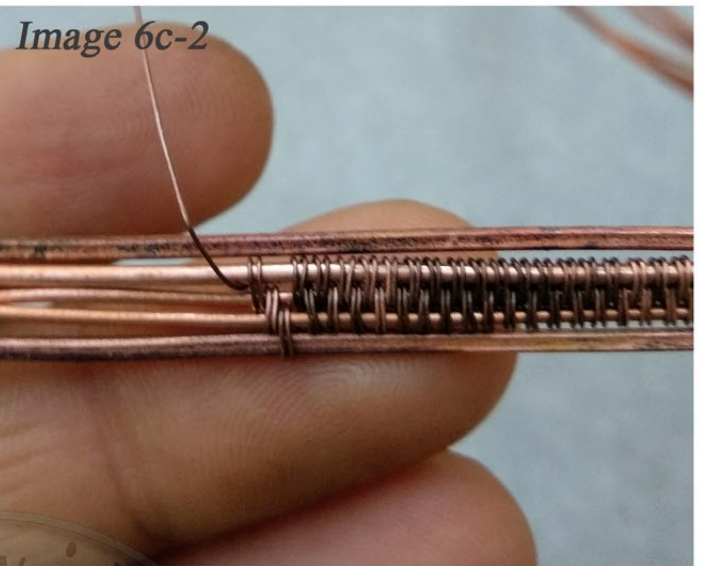
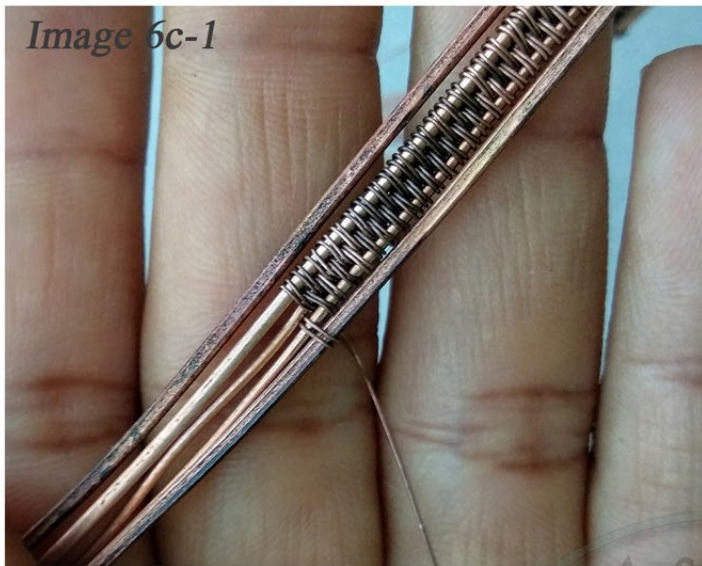


Image 6b-2

Step 6c :

Rotate the wires and after the 38th rotation take the weaving wire down to the bottom of last square wire. And weave as per step 2 till you reach the top square wire.

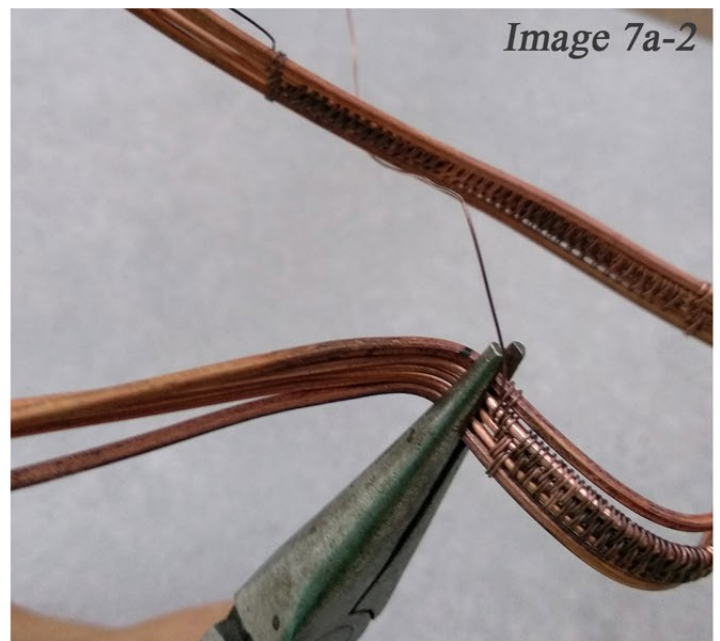


Step 7 :

Step 7a :

We will now give form to these wires. Hold them so that the top wire is 20ga square and the second wire is 18ga round.

Place the stone on a flat surface and position the 'V' of the wires around it. Curve the left side wires to the shape of the stone. At the center of the stone, fold the wires up using the flat nose pliers.



Step 7b :

Now curve the right side wires in the shape of the stone, and fold them up at the center using the flat nose pliers.

Image 7b-1



Image 7b-2



Note: Make sure there is no gap between the left side and the right side wires. They should be parallel to each other.

Step 8 :

Straighten all the wires and hold them parallel to each other. All 5 wires on each side should be aligned parallel to each other and not overlap each other.

Use the right side weaving wire to weave over all 10 wires. Weave for 15 rotations and at the end weave for 3 rotations on any one wire.

Image 8a

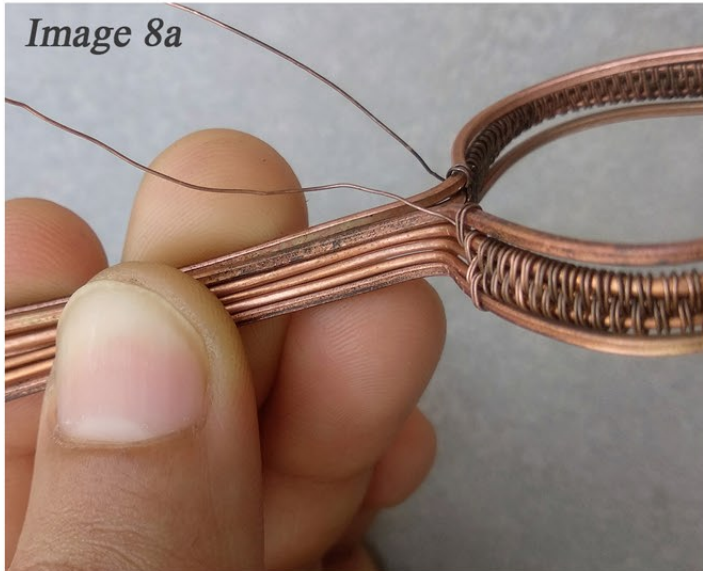
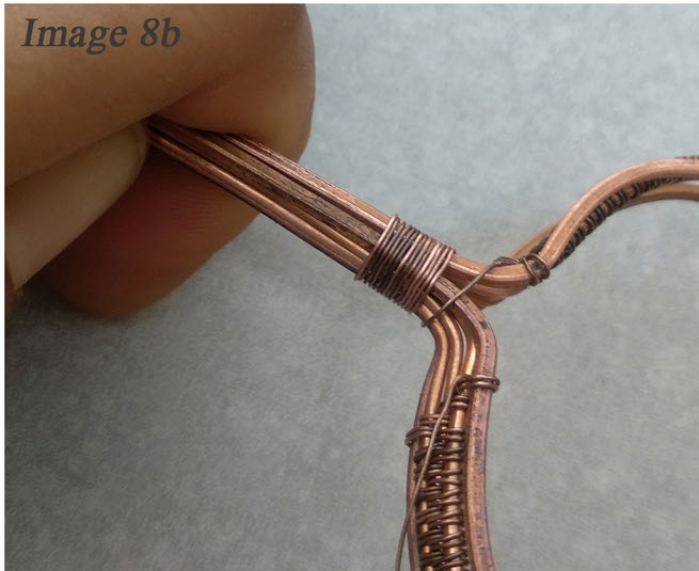
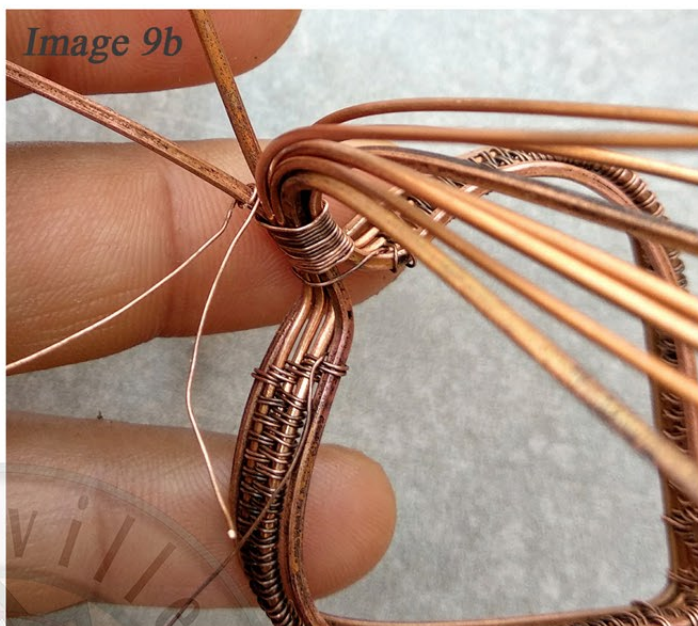


Image 8b



Step 9 :

We will now separate the wires. Pull four front wires from each side (total 8 wires) towards you. Now we have two 20ga Square wires at the back, pull these apart to create 'V' shape. We will create bail for the pendant using these wires.

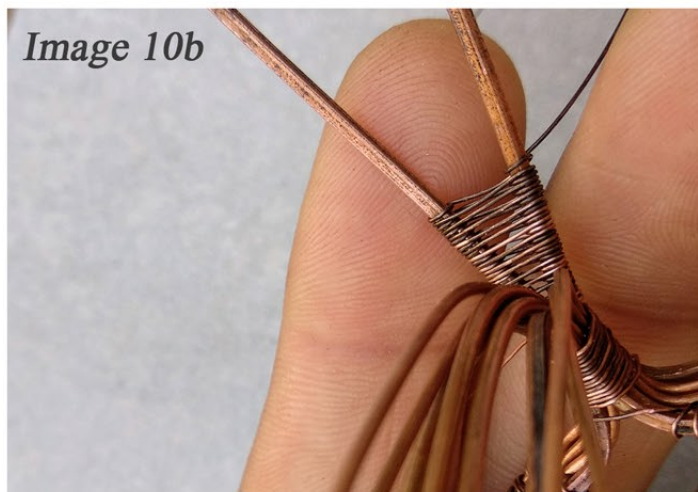
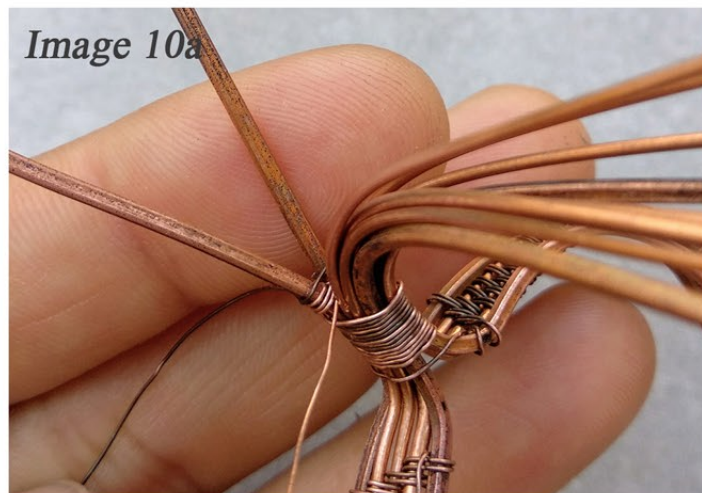


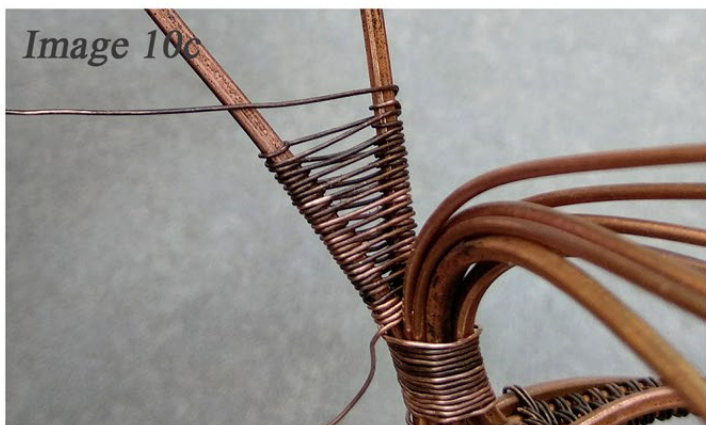
Step 10 :

Take the 60" piece of 30ga weaving wire. Place the weaving wire on the inside of the left wire then weave for two rotations on the left wire to tie the end.

Below is one rotation of weaving:

- Wrap once around the left wire go down from the outer side of left wire, across the gap from bottom and reach the outer side of the right wire.
 - Come up from the outer edge of the right wire, weave once over the right wire, go back to the outer side of the right wire.
 - Go across the gap from top and reach the outer edge of the left wire.
- Weave for 15 complete rotations.

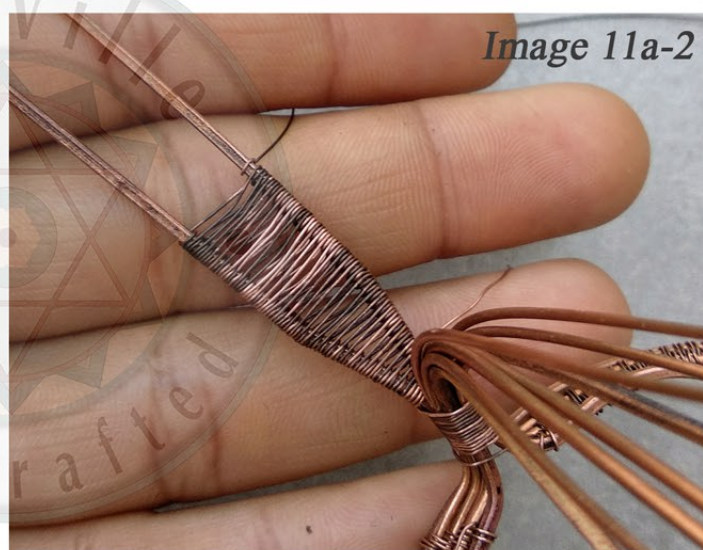
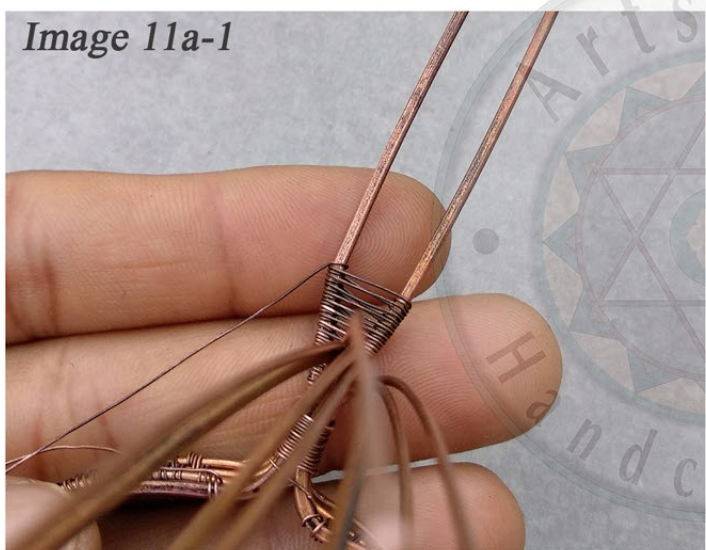




Step 11 :

Step 11a

Using flat nose pliers, fold both square wires so that they point up straight. Now continue to weave as per step 10 for more 15 rotations.



Step 11b

Now fold the left wire towards right, from center again fold it upwards. Both wires should be parallel to each other.

Continue to weave for more 15 rotations as per Step 10. You should reach the point where both wires become parallel to each other.

Cut extra weaving wire if any. Tie the end to one of the wire, tighten using flat nose pliers.

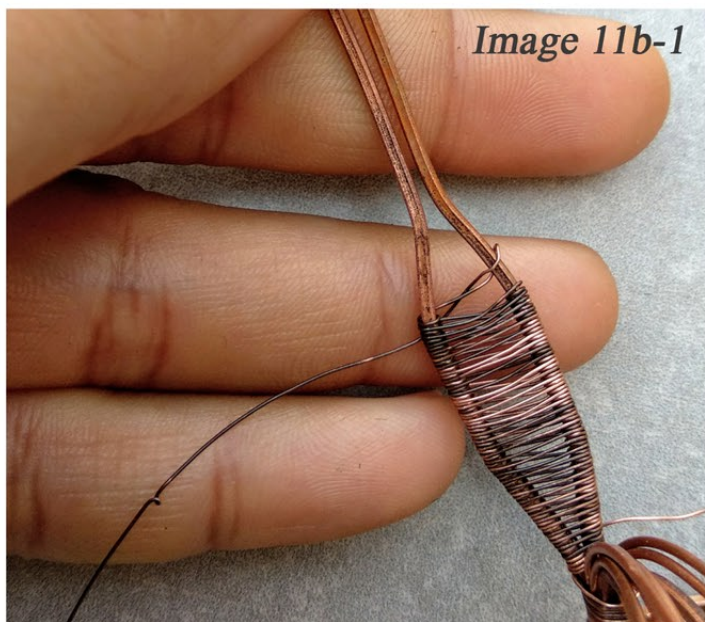


Image 11b-1



Image 11b-2

Step 12 :

We will now set the stone. Hold the frame so that the front 20ga square wire is facing you. Place the flat nose pliers, next to the weaving on this wire on the left side. And fold towards the inside of the frame to create a smooth dent. Repeat for the left side.



Image 12a



Image 12b

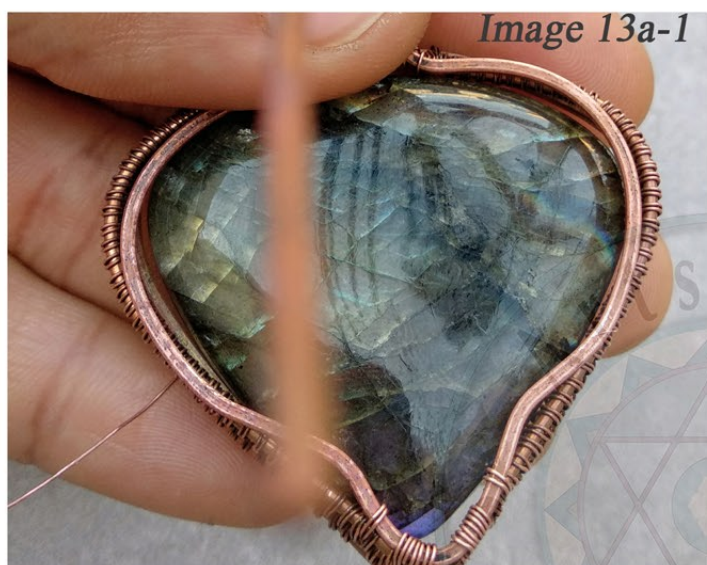


Image 12c

Step 13 :

Step 13a :

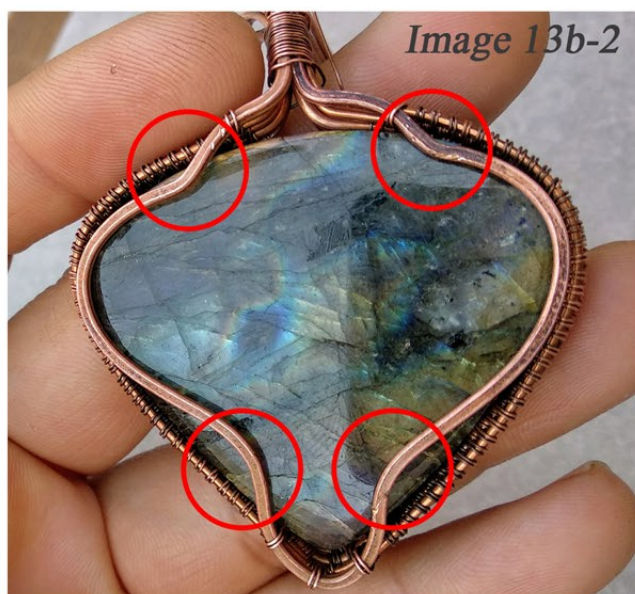
Place the stone in the frame; reverse the frame so that the back side is facing you. Fold the last 20ga square wire to create the base for the stone. Fold the wires towards the inside of the frame. Do this at both the bottom portion and the top portion on either side of the bail.



Step 13b :

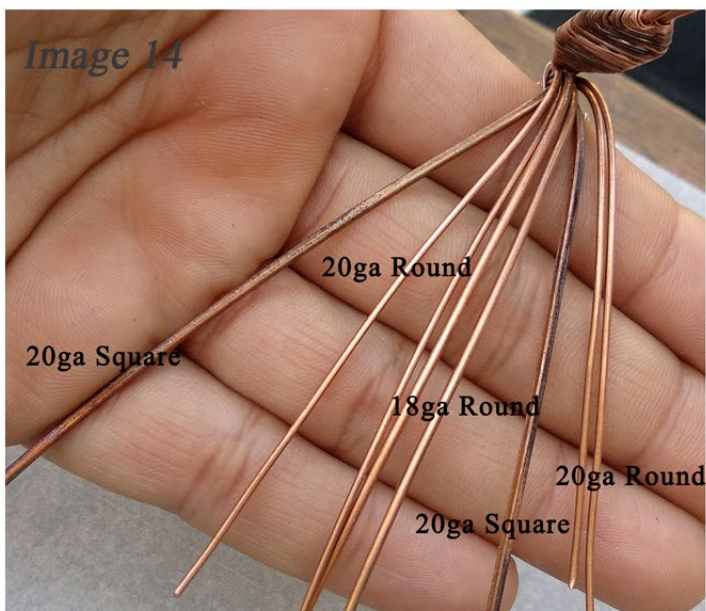
The stone is now set.

There is extra weaving wire on the left side of the pendant. Cut this extra wire and tie the end to one of the frame wire, tuck the end point to the inner side of the frame, tighten using flat nose pliers.



Step 14 :

Turn the pendant so that the front is facing you. We have 8 wires in the front. Spread them slightly and arrange them in this order. From left : first 20ga Square wire, 20ga round wire, 20ga round wire, 18ga round wire, 18ga round wire, 20ga square wire, 20ga round wire, 20ga round wire.



Step 15 :

We now weave on the two 20ga wires on the right side. Take 36" piece of weaving wire. Tie it to the right most wire by weaving for three times around this wire. Continue to weave as below :

- Four complete rotations on both wires.
- 3 rotations on the right 20ga round wire.

This is one rotation of weaving. Continue to weave for 16 complete rotations. Do not cut the weaving wire, as we will use it at the end. We need ½" of 20ga wires without any weaving at the ends of these two wires.



Step 16 :

Time to curve the wires and start giving some form to the pendant.

Take the left most 20ga square wire. We will curve this to the left (refer the picture).

Take the second wire from left, that is the 20ga round wire, slightly curve it to follow the curve of the square wire.



Image 16

Step 17 :

We will add copper beads to this 20ga round wire. Add beads in following order.

3 beads of 2 mm,
2 beads of 2.5 mm,
1 bead of 3 mm,
2 beads of 2.5 mm,
4 beads of 2 mm.

Once the beads are added let the wire follow the curve of the 20ga square wire on the left.



Image 17a



Image 17b



Image 17c

Step 18 :

Fold both these wires, the 20 square to the left and the 20ga round with the beads, down to the side of the pendant.

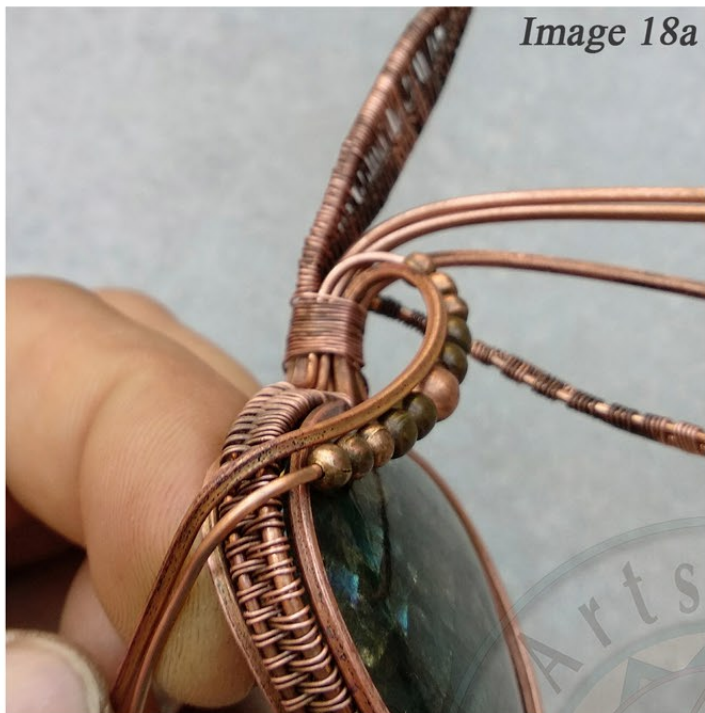


Image 18a



Image 18b

Step 19 :

We will now weave on the next three wires from the left. That is one 20ga round wire and two 18ga round wires. Take 36" weaving wire. Tie the end to the middle 18ga wire by wrapping twice. Below is one rotation

- 8 rotations on the middle 18ga round wire, on the eighth rotation bring the wire down to the outer edge of the right side 18ga wires.
- Weave for two rotations on all three wires, on the second rotation go down from the right 18ga wire and bring the wire up between the two 18ga round wire.
- Repeat again

Weave for 16 complete rotations. End by weaving for 3 times on the central wire. Cut extra wire, tuck the end to the back and tighten with the flat nose pliers.



Image 19a



Image 19b



Image 19c

Step 20 :

Curve the 3 weaved wires of step 19 as per the curve of the wires to the left. There should be no gap between the curved wires. Fold the wires down from the edge of the pendant.

Step 21 :

The next wire is the 20ga Square wire. Curve this wire to the curve of the wires to the left. Fold down from the edge of the pendant.



Image 20



Image 21a



Image 21b

Step 22 :

Curve weaved wires from step 15. Follow the curve of all the wires to the left. Curve the right side wire end using the round nose pliers.



Image 22a



Image 22b

Step 23 :

Now reverse the pendant and cut all the extra wires, leave $\frac{1}{2}$ " on all wires to curve all ends.

Using the round nose pliers curve ends of all the wires.



Image 23a



Image 23b

Step 24 :

Bring the weaving wire from Step 15 on the 20ga wires, towards the back of the pendant, at the back frame wire. Pass below all the wire ends and weave over all wires twice. Cut extra wire and tie the wire end to one of the frame wires. Tuck the end towards the inside of the pendant.



Image 24a



Image 24b

Step 25 :

We still have the wire end from the left 20ga wire of Step 15. Curve the end using the round nose pliers. And place it on the side of the pendant.



Image 25

Step 26 :

We will now create the bail. Place the 5 mm dowel at the center of the weaving on top of the pendant. Place the dowel below the weaving.

Image 26



Step 27 :

Fold the wires down. At the same time bring them to the front of the pendant from the small gap between the stone and junction of all wires.

Curve these wires to the right of the pendant.

Image 27a



Image 27b



Step 28 :

Curve the upper square wire end using the round nose pliers.

Take the lower 20ga square wire to the back of the pendant by folding it from the edge of the pendant. Curve the end of the wire at the back of the pendant.

Image 28a



Image 28b



Step 29 :

We will add a bead to the upper square wire on the right side. Pass a 2 mm bead through a 2" piece of 30ga wire. Place the bead at the curve we created at the end. Tie both ends of the 30ga wires to both side square wires. Cut extra wire and tighten using flat nose pliers

Image 29



The pendant is now ready!!! You can wear the pendant as it is with natural look or follow steps below for Antiqued polished look.

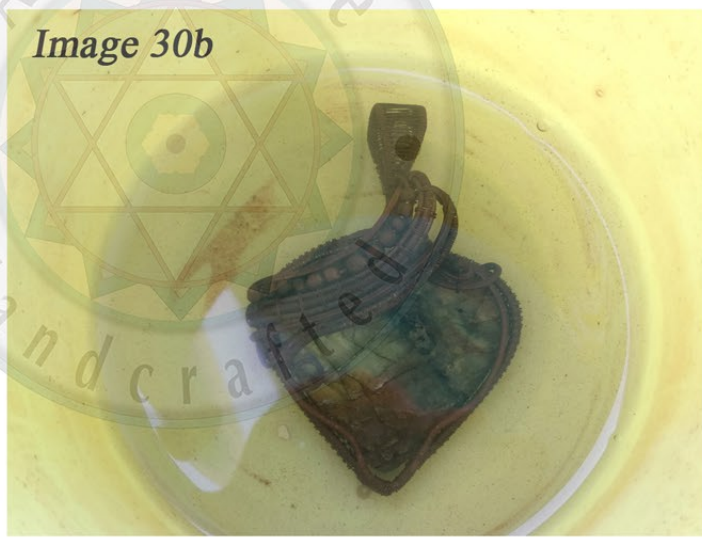
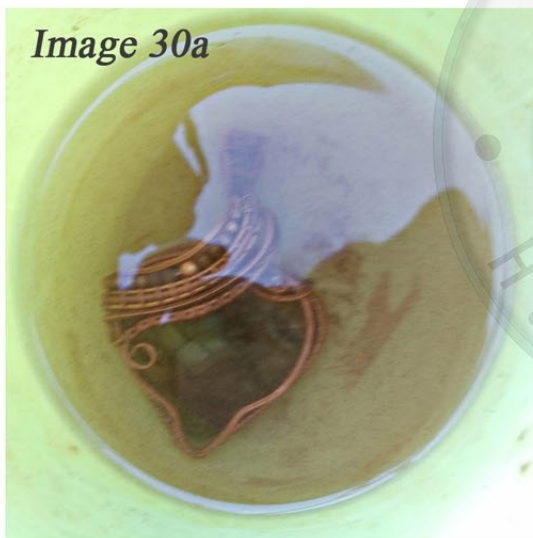
Note 4: *You can definitely do your favorite weaves at any point.. and curve intuitively at every point.*

Step 30 :

Use Liver Of Sulfur or any copper Antiquing solution. Take tap water (warm water in case of liver of sulfur) add about a teaspoon (or as directed on package) of solution in the water. Mix using copper wire.

Place your pendant in this solution for about one minute, or till the pendant has turned almost black.

Remove the pendant from the solution using a copper wire and clean with plain water. As these are chemical solutions, handle with care and precaution.



Note : *Please note that these solutions affect some stones, be cautious.*

Step 31 :

Scrub thoroughly with steel wool. Remove all steel wool particles stuck in the weaving using a tooth brush.

Now wash the pendant with liquid dish wash and water.



Image 31

Step 32 :

Now the pendant is ready for polishing with a Flexible Shaft Rotary. I use cotton buffing wheel and a polishing compound to buff. Pass the Flexible Shaft Rotary Tool all over the piece.

This should give you high polish.



Image 32



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Give credit to the maker and tutorial author!! ([Gopi](#) From [ArtsvilleHandcrafted](#))

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