Submarine in a coral and seaweed wreath

Sized for a 6 inch hoop (15 cm). The stitched design is about 4.6 × 4.5 in (11.7 × 11.4 cm).



Which color goes where: by number on page 2.
Fabric: pale blue cotton or linen.

Stitch in this order

Filled parts from the back of the picture forward, then lines, knots and raised parts.

1. **Satin stitch**, 2 strands
   Kelp, plum weed, sea fans, weed leaves, anemone arms, shell, seahorse tail, propeller, periscope, window rim, window light, seahorse fin, and 3 more
2. **Buttonhole stitch**, 1 strand
   Sea fans
3. **Padded satin stitch**, 2 strands
   Coral branches, shell, starfish, rudder, propeller, tower, tower rim, hull belly, hull, side fin
4. **Long and short stitch**, 1 strand
   Window glass
5. **Stem stitch**, strands by part on page 2
   Wreath stems, sea fan ribs, pearl stems, tower stripe, side fin
6. **Back stitch**, 1 strand
   Pearl stems, seahorse rings
7. **Couching**, 4 strands
   Hull cord
8. **Colonial knot**, 2 strands, two wraps
   Pearl knots
9. **French knot**
   strands by part on page 2, two wraps
   Anemone heart, starfish beads, seahorse eye
10. **Woven wheel stitch**, 4 strands
    Anemones

In a 6 inch hoop the knots are drawn smaller than about 2 mm (a little over 1/16 in). Use one strand of floss for them there, or choose a larger hoop.

Floss

- **1 DMC 936 Very Dark Avocado Green**
  Kelp (dark), wreath stems, weed leaves (darker)
- **2 DMC 3011 Dark Khaki Green** Kelp (middle), weed leaves (lighter)
- **3 DMC 3012 Medium Khaki Green** Kelp (light)
- **4 DMC 3834 Dark Grape**
  Sea fans and plum weed (darker), sea fan ribs and seahorse eye
- **5 DMC 3835 Medium Grape**
  Sea fans and plum weed (lighter), pearl stems and anemone heart
- **6 DMC 352 Light Coral**
  Coral branches and anemone arms (lighter), seahorse fin
- **7 DMC 351 Coral**
  Coral branches, anemone arms and hull cord (darker), rudder and tower stripe
- **8 DMC 712 Cream**
  Hull belly (light), window rim, tower rim and pearl knots and 4 more parts
- **9 DMC 225 Ultra Very Light Shell Pink**
  Anemones (lighter), shell (middle)
- **10 DMC 152 Medium Light Shell Pink** Anemones (darker), shell (dark)
- **11 DMC 3820 Dark Straw**
  Seahorse, starfish and seahorse tail, window glass and propeller (middle)
- **12 DMC 782 Dark Topaz**
  Seahorse rings and seahorse crest, window glass and propeller (dark)
- **13 DMC 3822 Light Straw**
  Window glass and propeller (light), seahorse belly, periscope (lighter)
- **14 DMC 3808 Ultra Very Dark Turquoise**
  Hull (dark), periscope and side fin (darker)
- **15 DMC 597 Turquoise** Hull (light), tower and side fin (lighter)
- **16 DMC 3810 Dark Turquoise** Hull (middle), tower (darker)
- **17 DMC 739 Ultra Very Light Tan** Hull belly (middle)
- **18 DMC 841 Light Beige Brown** Hull belly (dark)

Three ways to transfer the pattern

1. **Fabric you can see through**
   Tape page 3 to a sunny window or lay it on a light box, tape the fabric over it and trace the lines with a sharp pencil or a water-soluble pen.
2. **Fabric you cannot see through**
   Lay dressmaker's carbon paper colored side down on the fabric with page 3 on top, tape the layers and trace the lines firmly with a ballpoint pen.
3. **Iron-on: the lines stay**
   Go over the lines of page 4, the mirrored page, with an iron-on transfer pen, lay it ink side down on the fabric and press with a dry iron, as the pen's packet says.

Pages 3 and 4 are the pattern at actual size. Print them at 100% with scaling turned off. Then put the fabric in the hoop: inner ring under, drawing up, tight as a drum.

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6 inch hoop

How to read it

Floss is six strands. Cut 18 inches (45 cm), pull out the number given one at a time, and lay them together.

Inside a filled shape start with two or three tiny stitches, which the filling covers. Start a line with a small knot on the back. End each thread by running the needle under the backs of a few stitches.

A fine broken line inside a shape is where two shades meet: trace it, do not stitch it.

A number on the picture is a color of the list of floss on page 1. The fine lines on the colors show which way the stitches lie.

Every stitch in pictures: flossfield.com/embroidery/stitches. The first time: flossfield.com/embroidery/guides/how-to-start.



1	DMC 936 Very Dark Avocado Green	7	DMC 351 Coral	13	DMC 3822 Light Straw
2	DMC 3011 Dark Khaki Green	8	DMC 712 Cream	14	DMC 3808 Ultra Very Dark Turquoise
3	DMC 3012 Medium Khaki Green	9	DMC 225 Ultra Very Light Shell Pink	15	DMC 597 Turquoise
4	DMC 3834 Dark Grape	10	DMC 152 Medium Light Shell Pink	16	DMC 3810 Dark Turquoise
5	DMC 3835 Medium Grape	11	DMC 3820 Dark Straw	17	DMC 739 Ultra Very Light Tan
6	DMC 352 Light Coral	12	DMC 782 Dark Topaz	18	DMC 841 Light Beige Brown

How many strands

Stem stitch. 3 strands: wreath stems, tower stripe; 1 or 3 strands: sea fan ribs; 2 strands: side fin; 1 strand: pearl stems.
French knot. 2 strands: anemone heart, seahorse eye; 1 strand: starfish beads.

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6 inch hoop

Print at 100% and check the square below with a ruler. Fold the fabric in four: the folds meet the four ticks of the ring.



1 in
25.4 mm

Check square: 1 inch (25.4 mm) on each side.
If it measures anything else, print again at 100% with scaling off.

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6 inch hoop

Mirrored. Trace this page with an iron-on transfer pen or pencil, then press it ink side down on the fabric.



1 in
25.4 mm

Check square: 1 inch (25.4 mm) on each side.
If it measures anything else, print again at 100% with scaling off.

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