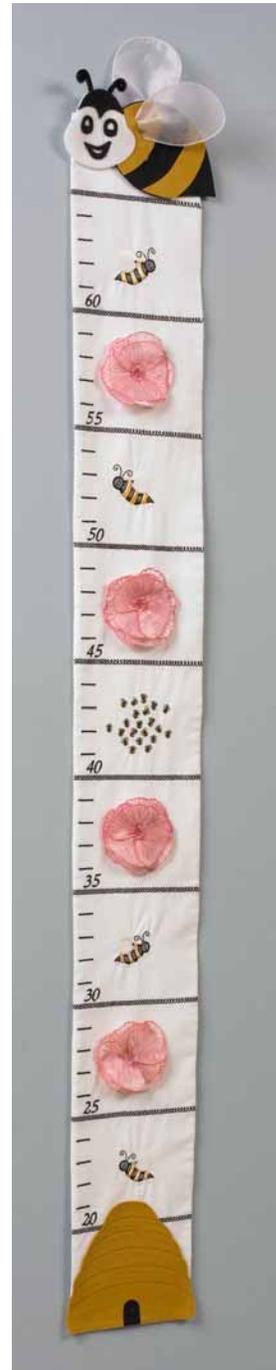


“Bee Growth Chart”



If you'd like to create a fun project that is sure to brighten the room of any small child, this one is for you. Make this adorable bee-themed growth chart using several of the great features on the Sofia² sewing & embroidery machine.

Skill Level: Beginner

Created by: Pam Mahshie, National Education Ambassador for Baby Lock

Supplies:

Baby Lock Sofia² (BL137A2) sewing and embroidery machine

Braiding foot (ESG-BF)

Personal Computer and USB flash drive

Designer's Gallery Gifts Galore Interactive (EDG-INTGIFTS)

Amazing Designs collections:

- ADC-76J for the single bee

- ADP-66JSSWN for the cluster of bees design
- 1 Yard of white sportcloth/twill
 ½ Yard of gold felt
 ¼ Yard of black felt
 ¼ Yard of white organza
 ½ Yard of pink organza
 1 Spool of each Madeira rayon embroidery thread in the following colors:
 White 1000, black 1011, yellow 1024, variegated 2053, light grey 1118,
 dark grey 1041, metallic white 300, pink
- Baby Lock Tear-Away Firm stabilizer (BLT103)
 All-purpose thread to match fabrics
 Clear fishing line 30lb. tess
 Scissors
 2 Black chenille stems
 Paper backed fusible web
 Hot glue gun and glue sticks

Instructions:

1. Cut 2 strips of the white sport cloth 9" X 60" This is typically the width of the fabric. It is fine if your fabric is only 45" wide, it is certainly long enough for any child.
2. Place a mark the width of the strip every 6".
3. Draw a short mark about 1" long every 1" between the 6" lines.



- Note:** The top and bottom squares are left unmarked for the hive and bee will be placed there.
4. Select the Honeycomb stitch on the Sophia² (Stitch 43) under the utility category.
 5. Cut narrow strips of the Tear-Away Firm Stabilizer 2" X 12" place under the lines running the width of the fabric and sew the Honeycomb stitch on each long line.
 6. Select stitch 7 adjusting the stitch length to 0.5 and the stitch width 2.5. Stitch the 1" marking lines.
 7. For the wings, thread the Sophia² with the Metallic white thread, attach the braiding foot and insert the fishing line into the opening of the foot. **Note:** We used red colored fishing line in the Baby Lock Spring promotion video for viewing purposes only. Clear fishing line will be used in your project so it is not seen.

8. Trace the wing design on two layers of white organza, DO NOT cut out. Stitch over the fish line with the same settings as above watch how easily the foot guides the fish line. Cut out wings close to the outside edge of the fishing line.
 9. Change to the gold colored thread to match the hive and using a stitch width of 2.5 and a stitch length of 1.0, stitch the detail lines in the hive. Set this aside.
 10. Set up the Sophia² for embroidery mode.
 11. On the computer, open Designer's Gallery Gifts Galore Interactive and create a flower design. Save this design to your flash drive.
 12. Save the single bee and cluster of bees design files to the same flash drive.
 13. Hoop a double layer of pink organza.
 14. Insert the flash drive into the USB port and select the flower petal design from Gifts Galore Interactive. Stitch enough petals to create flowers in every other section of the growth chart.
 15. Cut the flower sections out of the fabric and stack several petals to create flowers.
 16. Starting at the first sections with lines from the bottom, hoop the growth chart in the far left corner.
 17. Using the built-in fonts embroider the measurement numbers.
 18. Retrieve the cluster of bees design from the flash drive and embroider in the very center section.
 19. Skip the section above and below the center section with the cluster of bees design and embroider the single bee motif in each of these sections. The pink dimensional flowers will be attached in the skipped sections.
- Note:** Starting at the center you will have the following layout pattern, cluster of bees design, dimensional flower, single bee embroidery, then alternate single bee design and the flower to fill the chart, leaving the top and bottom section blank.
20. Change the Sophia² back to sewing mode and attach the pink dimensional flowers to the growth chart fabric.
 21. Place the growth chart fabric right sides together. Using a straight stitch, stitch the back and front panels together, leaving an opening to turn. Stitch Around all sides, turn and press
 22. Trace bee sections to the felt colors, cut out the sections and fuse together using the fusible web.
 23. Insert the wings and secure them in place with hot glue.
 24. Attach the hive to the bottom and the bee to the top section.
 25. Hang and enjoy.



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