

The TEMPESTRY Project

Tempestry Project™ Instructions

(Please note, this is not so much a pattern as it is a guide.)

Tempestries are a visual embodiment of a year's worth of daily high temperatures, January at the bottom and December at the top. A finished Tempestry will measure about 8-12" wide and about 4-5' long. The size will vary depending on whether the piece is knitted or crocheted and what stitch is used, as well as on the gauge of the maker (though gauge is not important).

A single Tempestry makes for a beautiful wall hanging, perfect for commemorating a particular year -- perhaps of a birth, a graduation, or a wedding. Multiple Tempestries for one location create a striking historical display of shifting temperatures over time.

We recommend using the linen stitch or garter stitch to create a sturdy fabric that works well for display. If you are not familiar with these, you may want to work up a swatch (not using kit yarn) before beginning your Tempestry. We've assigned specific colorways from KnitPicks' Wool of the Andes Worsted to specific temperature ranges. The idea is to have everyone use the same colors in order to facilitate comparisons from year to year and place to place.

Daily temperatures come from the National Oceanic and Atmospheric Administration, supplemented with data from www.wunderground.com (or in some cases from nearby weather stations) as needed. We have included the primary weather station name on the enclosed card.

If you are including beads, place them on every other stitch in the row you are marking. Commemorative beads will stretch across the whole row. Precipitation beads are placed at the beginning of RS rows and at the end of WS rows, creating a beaded bar graph coming from the right side of the piece. For a tutorial on the crochet hook method of beading, we recommend this video:

<https://youtube.com/watch?v=3Nrgyqwq2Lw>

Knit Linen Stitch Version:

Cast on 46 stitches in the appropriate color for January 1st, on size 10 circular needles. Circular needles are necessary, as opposed to straights, so that you can work from either side -- see notes about carrying multiple colors, below.

The first and last three stitches are a garter or seed stitch border. The 40 stitches inside the border are worked in the linen stitch. We recommend this video on how to knit the linen stitch:

https://youtube.com/watch?v=_goQtWqXE3A

Begin with day one and work one row per day according to your Tempestry Worksheet using the corresponding yarn for each day's temperature. Bind off using the same color as for December 31st.

Notes:

If you are carrying multiple colors, you sometimes will be working the right or wrong side twice in a row depending on which side the next day's color is on. Using circular needles allows you to do this. When this happens, be sure to pay attention to maintaining the garter stitch and linen stitch patterns. This will sometimes entail purling instead of knitting the garter stitch border, and will sometimes entail slipping the first stitch in the linen stitch central panel rather than knitting or purling. Don't worry, it will make sense as you work your piece -- but does require some attention!

We recommend not cutting the yarn every time you change color, but instead carry several colors up the sides if they will be used within a week or so. This cuts down on wasted yarn and on weaving in more ends than necessary.

Knit Garter Stitch Version:

Cast on 40 stitches in the appropriate color for January 1st, on size 7 circular needles. Circular needles are necessary, as opposed to straights, so that you can work from either side -- see notes about carrying multiple colors, below.

Begin with day one and knit one row per day according to your Tempestry Worksheet using the corresponding yarn for each day's temperature. Bind off using the same color as for December 31st.

Notes:

If you are carrying multiple colors, you sometimes will be working the right or wrong side twice in a row depending on which side the next day's color is on. Using circular needles allows you to do this. When this happens, be sure to pay attention to maintaining the garter stitch pattern. This will sometimes entail purling instead of knitting. Don't worry, it will make sense as you work your piece -- but does require some attention!

Crochet Linen Stitch Version:

See the following video for a run-through of how to do the crochet linen stitch:

<https://m.youtube.com/watch?v=ugviUK7EdwE>

Chain 36 in appropriate color for January 1st, on size H crochet hook. Begin with day one and crochet in linen stitch one row per day according to your Tempestry worksheet*, using corresponding yarn for each day's temperature. Work your row for December 31st, weave in ends, soak & block, and voila!

*Daily temperatures for numerous locations throughout the United States can be requested from NOAA at <https://www.ncdc.noaa.gov/cdo-web/search>. Please note the data for a particular location is not always complete, and sometimes has to be supplemented with data from www.wunderground.com (or in some cases from nearby weather stations). You can create your own Tempestry Worksheet from these sources and our list of Tempestry colors. Alternatively, we are happy to make one for you for purchase at www.tempestryproject.etsy.com. Our worksheets include columns for Date / Temperature / Yarn color / Check Box for completed rows, and will be emailed to you. (See below for a sample.)

Day #	Date	High Temp. (°F)	Color Name	Progress
16	20160116	52	Green Tea Heather	X
17	20160117	50	Peapod	X
18	20160118	52	Green Tea Heather	X
19	20160119	49	Peapod	X
20	20160120	49	Peapod	X
21	20160121	55	Green Tea Heather	X
22	20160122	54	Green Tea Heather	X
23	20160123	47	Peapod	X
24	20160124	48	Peapod	X
25	20160125	51	Green Tea Heather	X
26	20160126	55	Green Tea Heather	X
27	20160127	58	Crème Brulee	X
28	20160128	55	Green Tea Heather	X
29	20160129	49	Peapod	X
30	20160130	51	Green Tea Heather	X
31	20160131	45	Grass	X
32	20160201	47	Peapod	X
33	20160202	50	Peapod	X
34	20160203	47	Peapod	X
35	20160204	50	Peapod	X
36	20160205	55	Green Tea Heather	X
37	20160206	49	Peapod	X
38	20160207	49	Peapod	X
39	20160208	52	Green Tea Heather	X
40	20160209	57	Crème Brulee	X

Tempestry Project Yarn Colors and Temperature Ranges
Using KnitPicks Wool of the Andes Worsted

Precipitation Bead Key		
Clear Beads = 0.1"	Aqua Beads = 1"	Sapphire Beads = 5"

Color Name	Temp Range °F	Temp Range °C
Coal	Less than -30°F	Less than -34.44°C
Blackberry	-29°F to -25°F	-33.89°C to -31.67°C
Indigo Heather	-24°F to -20°F	-31.11°C to -28.89°C
Amethyst Heather	-19°F to -15°F	-28.33°C to -26.11°C
Lullaby	-14°F to -10°F	-25.56°C to -23.33°C
Solstice Heather	-9°F to -5°F	-22.78°C to -20.56°C
Sapphire Heather	-4°F to 0°F	-20°C to -17.78°C
Celestial	1°F to 5°F	-17.22°C to -15°C
Ciel	6°F to 10°F	-14.44°C to -12.22°C
Fjord Heather	11°F to 15°F	-11.67°C to -9.44°C
Baltic Heather	16°F to 20°F	-8.89°C to -6.67°C
Whirlpool	21°F to 25°F	-6.11°C to -3.89°C
Calypso Heather	26°F to 30°F	-3.33°C to -1.11°C
Tranquil	31°F to 35°F	-0.56°C to 1.67°C
Everglade Heather	36°F to 40°F	2.22°C to 4.44°C
Grass	41°F to 45°F	5°C to 7.22°C
Peapod	46°F to 50°F	7.78°C to 10°C
Green Tea Heather	51°F to 55°F	10.56°C to 12.78°C
Crème Brulee	56°F to 60°F	13.33°C to 15.56°C
Semolina	61°F to 65°F	16.11°C to 18.33°C
Caution	66°F to 70°F	18.89°C to 21.11°C
Conch	71°F to 75°F	21.67°C to 23.89°C
Orange	76°F to 80°F	24.44°C to 26.67°C
Papaya Heather	81°F to 85°F	27.22°C to 29.44°C
Victorian	86°F to 90°F	30°C to 32.22°C
Red	91°F to 95°F	32.78°C to 35°C
Cranberry	96°F to 100°F	35.56°C to 37.78°C
Firecracker Heather	101°F to 105°F	38.33°C to 40.56°C
Hollyberry	106°F to 110°F	41.11°C to 43.33°C
Rooibos Heather	111°F to 115°F	43.89°C to 46.11°C
Garnet Heather	116°F to 120°F	46.67°C to 48.89°C
Currant	121°F and above	49.44°C and above