

# #ShowYourStripes Bracelet Kits

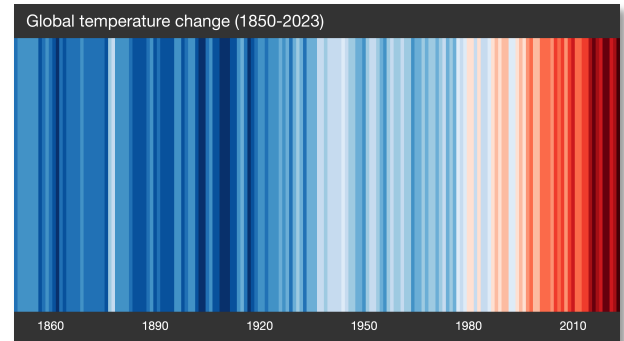
## Global Temperature Change: Data from 1850 to 2023

Bracelet and Kit Designed by Jenny Baeseman, PhD

#ShowYourStripes graphics created by Professor Ed Hawkins

The evidence of climate change and global warming are around us every day, yet there still seems to be a lack of movement to make real change. One small thing we can do is continue to raise awareness with the people around us of the problems of changing temperatures. A bigger step is to help convince decision-makers that the time to act is NOW. So “show your stripes” and TALK about it!

Warming Stripes are a powerful way to visually represent the warming climate trend over time. Each stripe, or bead in this case, represents the average temperature for one year from, and the color gradient depicts the change in temperature from the historical average. This clear and intuitive representation helps to illustrate the undeniable warming trend that our planet is experiencing. Each stripe is made up of hundreds of data points, and most charts have a hundred stripes or more – so that’s a lot of data with a clear message – and in this case a lot of data to wear around your wrist!

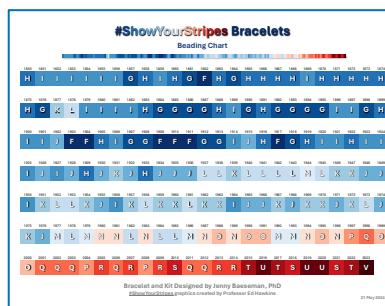


With this kit, you can look back through time, work with science data, and create a fashion statement with an important message!



### Contents of the Kit:

- 17 color coded envelopes with the number of clay beads needed to make the bracelets (+ a little extra just in case)
- Beading charts to lay out the order of the beads for your bracelet
- 12” pieces of stretchy bead cord (a few extra to practice knot tying)
- #ShowYourStripes wooden beads
- Color-coded trays for easy group sharing (optional)
- beading needles (optional)
- Super glue (optional)



### ABOUT the Designer:

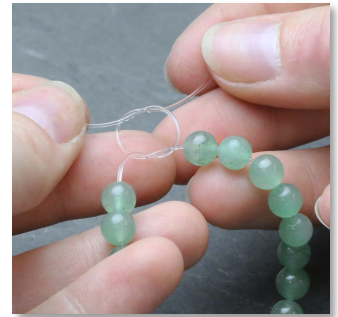
These bracelets were created by Dr. Jenny Baeseman, an international Arctic and Antarctic scientist, educator, and policy advisor with over 20 years of experience coordinating research in both poles and the cryosphere. She wanted to create a fun and fashionable way to increase awareness of the impacts of climate and environmental changes in general. At the same time, she craved doing something creative and ‘artsy’ - something to make science, particularly, environmental science, a bit more ‘main-stream’. It started with the #ShowYourStripes bracelets and is expanding with other *Science Swag* which includes lots of fun and creative ways to show your appreciation for science in unique and sometimes inconspicuous ways... aiming to make for great conversation starters to meet new people and share science with more people. So, whether you’re a CEO shaping corporate agendas, a policymaker crafting legislation, an influencer with a platform for change, or a normal human who cares about our earth and wants to do something about it, *Science Swag* has hand-crafted and ‘right-left brained scientist’ designed products for you to show your commitment to discovery, sustainability, and scientific advancement. Learn more at <https://jennybaeseman.com>.



## Directions for Assembling the Bracelets

### The Knot

- The trickiest part of making this bracelet is tying the knot at the end... after you line up all your beads and you try to tie the knot the last thing you want is for the whole string to unravel and all your beads to end up on the floor... this happens to a lot of people unfortunately. To avoid this, we suggest taking a piece of stretchy cord and practicing tying knots a few times, so you are confident when it comes time for the real thing.
- The recommend knot is called a surgeon's knot and you can find nice instructions here:
  - <https://www.kernowcraft.com/jewellery-making-tips/beading-and-threading-techniques-and-advice/knotting-stretch-magic-thread>
  - <https://www.youtube.com/watch?v=MLYAmobQW8U>
- It's a good idea to glue your knot with super-glue (<https://amzn.to/3UUPQU1>) or a bead-stringing specialty glue with an easy applicator (<https://amzn.to/4amL1qW>). A small tube of glue is an option that can be added to the kit when ordering.



### Stringing the Beads

- Place the trays in the middle of your workspace and empty the bead envelopes into the corresponding compartments.
- The Beading Chart provided not only tells you what order to put all the beads in, but it can be used to lay out a few beads at a time and then string them. For example, you could lay out all the colors for the first row, and then put them all on the string, then lay out the next row and bead it on the string, etc. – this method might help you keep track of where you are in the order instead of just trying to do one at a time and remembering where you were in the sequence.
- It a good idea to stretch the cord a few times before you start stringing your beads. This will create a better-quality bracelet in the end.
- If you are using a needle, thread the cord through the needle and secure both ends of the cord with masking or painters' tape to prevent the beads from falling off the string. If you are using a needle, you can also stick one end of the needle into a foam block or something similar to hold the needle in place for easier stringing. When you are all done stringing, pull one end of the string until one of the end's tape comes to the eye of the needle. Then carefully remove the tape and remove the string from the needle.
- If you are not using a needle, secure one end of the string with masking or painters' tape and start stringing from the non-taped end.
- We recommend starting with the wooden bead first. This bead helps to hide the knot that you tie at the end.
- When stringing the beads make sure to hold on to the string/needle tightly. If you need to take a break, carefully lay it down and make sure to mark your place on the beading chart.
- If you accidentally miss a bead or string a few in the wrong order, it's okay, more than likely only you will know 😊

### Consider the Length

- Each of the clay bead is ~1.1 to 1.2 mm thick, so for the global temperature bracelet there are 174 beads, so that's at least 174 mm or ~20 cm or ~7.8 inches. If you have a smaller wrist, you might want to make your bracelet smaller by skipping some of the earlier years and starting later. For example, a ~6.3-inch bracelet would start with a G-bead in 1885. The width of the beads varies enough that it's not straight forward to figure out how long it will be starting at a certain year, so you could start at 1885 and then when you are finished adding more years to the blue end if you want your bracelet a little longer. The length of the wood bead is 12mm (~0.5 in) so that should be factored in as well.

### Fun Additions

- If you wanted to personalize the bracelet, you could put different beads on years that mean something to you.
- You could put a bead with your initial on the year you were born; or for all the "Swifties" out there, it might be fun to add a 🐼 instead of the 1989 N-bead!
- You could add a penguin bead instead of 1959 for the year the Antarctic Treaty was signed which ensured the continent would be a place of peace and science.

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### Price List

The kits can be great fun for a birthday party, a classroom activity, an arts and crafts project, or just something fun to do with friends. Another reason why the kits have been created is to help groups by providing a fund-raising activity. The bracelets can be made by your group's volunteers and then sold with profits going towards helping support your organization's activities.

Each kit comes with the beads you will need for the number of bracelets you would like to make, and a little extra just in case, 12 inch pre-cut elastic bead cord (plus a few extra to practice knot tying), a beading chart with the year and corresponding bead color, and the wooden beads. The wooden beads have #ShowYourStripes on one side and standard kits come either a penguin, polar bear, or earth in hands image on the other side. You can choose how many of each design is included in your kit. Personalized wooden beads are also available – so if you would like your organization's logo\* on the bead instead of the standard 3 images, this is an optional upgrade to your kit. We also offer color coded trays that you can pour your beads into, and groups can easily work together at a table to make their bracelets. In addition, we offer beading needles that are helpful particularly if people are making more than one bracelet, as well as a small tube of superglue to make ensure the all-important knot on your bracelet stays secure.

\*As the beads are 12mm x 8mm complex logos are not possible nor are multiple colors. Contact us and we will do our best to work with your logo and see what we can do.

Below are a few basis prices as well as add-on options. If you have specific requests, just contact us and an individual order can be arranged.

# of Bracelets per kit	Base Price w/ Standard Wooden Beads	Base Price w/ Personalized* Wooden Beads
4	\$ 40.00	\$ 48.00
10	\$ 92.50	\$ 120.00
25	\$ 218.75	\$ 300.00
50	\$ 412.50	\$ 550.00
100	\$ 750.00	\$ 975.00
250	\$ 1,687.50	\$ 2,125.00
500	\$ 3,000.00	\$ 3,875.00

Sales Tax and Shipping are additional.

### Optional Kit Upgrades

Price per additional item

Red & Blue Color-Coded Trays	\$3.00
<small>- comes with additional beading chart</small>	
Beading Needles	\$2.00
Superglue tubes	\$1.00
Extra Beading Chart	\$0.50
Extra Wooden Beads	
Standard (Penguin, Polar Bear, World in Hands)	\$1.00
Personalized*	\$2.00

To order, contact Jenny Baeseman:  
[jbaeseman@gmail.com](mailto:jbaeseman@gmail.com) or +1 608-571-9430

**An activity for your participants to take home and talk about!**

**Each kit is made to order, so personalization and customization is always an option.**

**Not sure all your participants will like a bracelet?**  
**The beads can be strung to make keychains, necklaces, anklets, bookmarks and more!**

