

## Summer Science Activity: Make-Your-Own Periodic Table

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### Materials:

- Post-it® Notes (approx. 125)
  - Poster paper
  - Scotch® Glue stick
  - Bold black marker
  - Fine tip black marker
- (Note: Read through the entire procedure before making your list of materials.)
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### Procedure:

1. **Determine square size and quantity.**

Start by determining the number, size and color of squares you'll need. Note that there are 103 squares in the standard Periodic Table. Calculate how much space your layout will require, based on the dimensions of the Post-it® Notes you choose.

Width of Periodic Table: 18 squares wide x 9 squares high

18 x 3" Post-it® Notes = 54" wide x 27" high

18 x 2" Post-it® Super Sticky Notes = 36" wide x 18" high

2. **Color-code.**

Find a color-coded version of the Periodic Table in a library book or on the Internet. You can either follow a two-color scheme, using one color for Metals and the other for Non-Metals. Or, you can use a multi-color scheme, which breaks the two main categories into subcategories (Alkali metals, Transition metals, etc.) Note the number of squares you'll need in each color. Keep extras on hand in case you make mistakes.

3. **Label each square.**

Include the following information on each square:

- Atomic number
- Symbol
- Name of element
- Average atomic mass (optional)

4. **Draw a grid for guidelines.**

Use a pencil and ruler or yardstick to measure and sketch the outline of the table on your poster paper. Be sure to space lines evenly and to leave space at the top for a heading. (If you run out of space, you can tape an extra sheet of paper to the top.)

5. **Stick the squares in place.**

Use a glue stick to adhere the bottom edge of each Post-it® Note to the poster.

6. **Now stick to the wall!**

Hang your new chart in your bedroom, your family study, or the room where you do your homework. Check with your parents first to make sure it's okay to hang on the wall. Be sure to use masking tape or removable mounting squares to avoid damaging paint or wall paper.

For more resources, visit [www.discoveryeducation.com/sciencefaircentral](http://www.discoveryeducation.com/sciencefaircentral).

