



Working on the wearable

Depending on the length of your class periods, I generally allow two 45 minute classes to draw, label, and paint the actual wearable.

Return student's **Atomic Attire Note-taking sheet** and clip art images you have reviewed. Students will transfer their information to their t-shirt or apron.

Supplies: (based on class of 24):

- 12 fine and/or extra fine black sharpie markers for outlining and labeling,
- Fabric or permanent sharpie markers in assorted colors
- 24 pieces of cardboard or wax paper
- 48 jumbo paper clips
- 24 hangars
- *Optional:* Want to add some “glitz” to your design? After completing your project, allow students to use paint brushes to add crystal paint. You can buy Tulip CRYSTALS dimensional fabric paint at Walmart or any hobby store. You will need a few extra items if you decide to use CRYSTALS.
 - Paintbrushes,
 - Small cans for rinsing brushes (I use an empty vegetable can and only fill 1/3 with water),
 - Paper towels or cloth rags for drying brushes

Steps

1. Distribute the shirts, according to size ordered. If you have ordered aprons, no need to worry about sizes.
2. Have students print first and last name on the inside bottom seam of the shirt with a sharpie. Aprons can be signed in the corner.
3. Give each student a piece of cardboard or butcher paper that will fit inside the shirt or under the apron to prevent the marker from bleeding through to the back side. (Note: Check to see if your school has a surplus of book covers. These work well to put inside the shirt or protect table surfaces. I have also recycled poster board old file folders for this purpose.)
4. Demonstrate how to paper clip the wearable and paper together to prevent the paper from sliding out when hung to dry. Have students smooth the wearable on a flat surface (table).
5. Students will use the research information and clip art images and transfer information to the fabric.
6. Color the atomic model and illustrations with fabric markers.

Optional: CRYSTAL Paint can be added with a paintbrush to areas of the project you want to highlight. (A word of advice: You may want to monitor the amount. Some get a bit carried away with the paint.) Rinse the paint brush in water and dry. (Paint that is allowed to dry on the bristles will ruin the brush so it cannot be reused.) Have paper towels available at each table for drying brushes and water drips. Students can also use crystal paint as a “glue” to attach tiny beads used for protons, neutrons, and electrons.



Since not everyone will finish at the same time, challenge students who finish early to use the computer to find a relative slogan or joke to add to their project - “I wear this shirt periodic-ally” or “Never trust an atom...they make up everything” are a couple of examples.

Care and Cleaning

When “painting” with sharpies on fabric, allow the ink in the sharpie to thoroughly dry. A *minimum* of 48 hours drying time is recommended. To set the ink, and prevent it from bleeding, place a clean white cloth over the entire design and iron over the cloth on the highest setting the fabric can handle. Be sure to iron the entire design.

When you do need to wash your wearable project, wash separately in cold water on a delicate cycle. Use only a small amount of detergent, or no detergent, if possible. Dry immediately.