

1. In you group, Define and Discover:

Restate the problem you are trying to solve in your own words

- The way our group can restate the problem in our word is to try to make something complex and creative, but still easy to read. So, the way we are doing it is we have the different parts of the period table have a little space merteen the parts of the table. We are also changing the shapes that match the form of the elements. So, for solids it is just a square for gases it is clouds and for liquids it is a water drop. The last thing we changed was the color relate to the type of element.

Develop some questions to research about before you stop.

- The first thing you could research before you go off and work on the project is where are the different types of element on the periodic table.
- Something else you can research before you start your project is what are the defences between family and periods.

2. In your group, dream:

- The table tells you the atomic number, and the mass number.
- It tells you the number of neutrons, electrons and protons.
- It also tells you all the elements names.
- It can also help you in chemistry.

3. With your partner, design:

The first thing we are doing with the periodic table is we are going to get spaces between the two different categories in the table. The color we picked are have a reason for why we chose them to be the color in the table to represent the elements.

The list of the colors:

- Hydrogen – yellow
- Alkali metals - silver
- Alkaline Earth Metals - green
- Transformation metals – light blue
- Metalloid – red
- Halogen - orange
- Noble gases - light grey
- Lanthanides – pink
- Actinides – darker blue

4. Individually, deliver:

- The reason why we put spaces between the element groups is to make it easier to see where the groups are. Where the original table was hard to follow, we fixed it so you can separate the different types of elements.
- Another change we made was we made the color mean something, so if you are trying to look for a type of metal or gas. The colors will help you find the element you are looking for.
- Another change we made to make the periodic table easier to follow it is the shapes we made to make them look different from each other. So, if you need to find a gas or water. The shape will show what it is.

5. Individually, debrief:

If we had the time, we could have made it easier than we did. We could try to be more creative if we were able to.