

## **Data Source**

Nasa Data <https://mydasdata.larc.nasa.gov/mini-lesson/creating-images-numbers>

## **Lesson Enhancement**

Students will be given a set of data they have to follow and color based on the guidelines in the breakdown of the instruction. The image created is able to be analyzed based on the false color scheme created. This data can come from any source but in this lesson we will be looking at wind speed so that it will tie to earth science and when a storm has happened. We will be able to look at the colors and see what area received the most severe wind. This relates to storm radars with the color codes of where the largest impact of the storm is going to hit. This will engage the students in the sense that when they are home watching the radar for a storm about to happen they will know how the colors are generated. Each speed (number) is assigned a color and they are able to put together the fact that it is actually a number that is generating the color of the radar. This is able to change the way I teach in the way I am able to interpret data and convey it to my class, I am able to use a real-world concept to show them why collecting this type of data and color coding the results is important. In turn, students are able to see this in a real application rather than just off the wall examples used in most word problems.

## **Using Data**

Using data in the classroom is a way to bring real life into our content, it helps our students see there is actually application to what we are learning and this is not a waste of time. In doing this, we are able to reach our students on a different level. They are not just memorizing information to receive a grade, but rather, to understand the world around us.