

STEP TOUR Cleveland Water Department

Science of Color

February 20th, 2016 STEP students had an opportunity to learn more about the science of **COLOR**, the primary colors, the color wheel, complementary colors and how we see color at the Cleveland Water Department in Cleveland, Ohio.



During the history of color, students learned the primary colors are red yellow and blue. All other colors come from these colors. For example, if you mix blue and red you would get purple, which is a secondary colors. Yellow and red make orange other secondary colors.

The students also learned about the color wheel, which has all the main colors, yellow, yellow green, green, blue green, blue, blue violet, violet, red violet, red, red orange, orange and yellow orange. These are the main colors on the color wheel colors because they are made up of the primary, secondary and tertiary colors.

Complementary colors are the colors across from each other on the color wheel, such as red-green and yellow-purple.

Light is how we see colors. One person might see red and another might see pink. This all depends on how far we are from the object and the brightness of the room.

At the end of the history of Colors, the students took all they learned about colors and put them into action to paint

a picture. There was an instructor telling us how to make the shapes and what colors complaint each other. For example, if we use a light background, we use dark colors for the shapes. The students were able to pick out some of their favorite colors to paint.

Overall this was a very exciting tour as we got to learn about the science of colors and put our knowledge to work by painting. The paintings came out beautiful!



Submitted by: Jordan McLellan, Student Leader