



MEASURE BY Color™

TEACHER'S GUIDE

1. Give each student an activity sheet from the TearPad™ and a ruler.
 2. Ask students to look at the Color Guide section on their activity sheet.
 - Go through colors and measurements with students.
 3. Have students look over the ruler.
 - Ask students what they see.
 - Prompt them to notice the different colors and how they build on top of one another.
 - Point out to them that the color lines are also different sizes. (Bring to their attention that the color lines get thicker as the measurement gets larger.)
 4. Let students ask questions about the ruler.
 5. Ask students to look at the Color Guide section again.
 - Start with **BLACK** $\frac{1}{16}$ " – have students look at the measurement description and explain that there will be **16** of these black lines per inch.
 6. Have students examine the ruler.
 - Ask students to count how many **BLACK** lines are from the start of the ruler to 1" (answer should be **16**).
 - Explain and answer any questions students may have.
 7. Repeat steps 5 and 6 with each colored line.
 - Make sure to always bring attention to the color, thickness, and number of lines for each measurement.
 8. Let's practice! — Ask students what they know...
 - What color is **1"** (**BLUE**)
 - What color is **$\frac{1}{2}$ "** (**GREEN**)
 - What color is **$\frac{1}{4}$ "** (**YELLOW**)
 - What color is **$\frac{1}{8}$ "** (**RED**)
 - What color is **$\frac{1}{16}$ "** (**BLACK**)
 9. Go over these until students have a good understanding of the concept.
 10. Let's practice! — Ask students to count a certain colored line per inch and write down their answer. Continue with each color.
 11. Bring together the number of colored lines to the meaning of each measurement.
 - Example: There are **8 RED** lines and each line represents **$\frac{1}{8}$ "**.
 12. Continue this with each color of measurement.
- Only after students comprehend that each colored line represents a different measurement and how many lines equal that measurement should you move on to measuring objects.

More Helpful Tips

- The Measure By Color™ ruler starts at the edge!
- For circumstances such as color blindness, be sure to utilize the size differences (thickness) to distinguish between the increments.
- Remind students to reference the guide on the back of the ruler. This feature is intended to assist with classroom time management.
- For more advanced classes, this ruler is capable of being used to demonstrate and visualize fractions.
- Consider using this ruler for cross-curriculum activities in the classroom.