Emanuel Project
ART INTERVENTIONS FOR AT-RISK YOUTH

Math
Using A Ruler

YOUTH ART PROJECT FOR:

USING A RULER

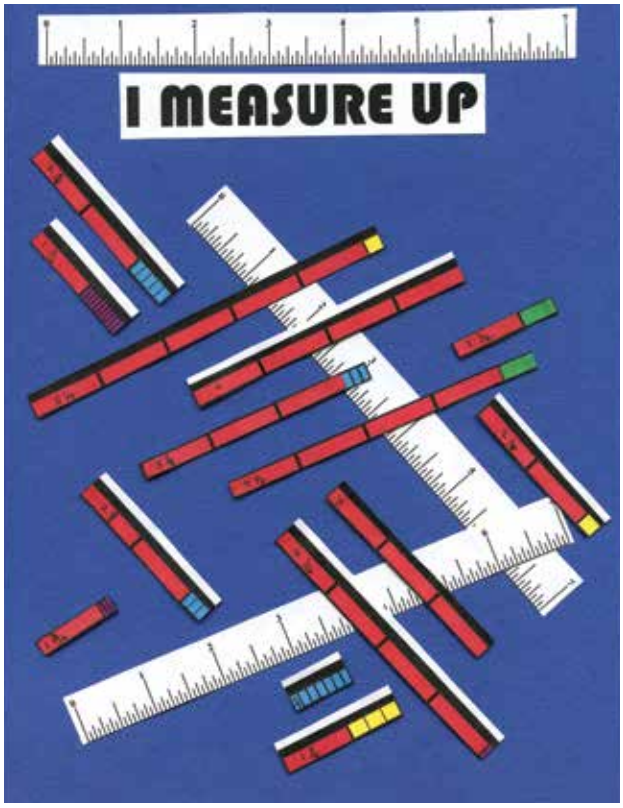
OBJECTIVE

Students will learn how to read and use a ruler.

Set up/prep time:	Activity time:
30 minutes	2-3 hours

Materials Needed:

Colored markers, pencil, eraser, paper



COMMON CORE STATE STANDARD

CCSS.Math.Content.2.MD.A.3 Estimate lengths using units of inches, feet, centimeters, and meters.

PRE LESSON ASSESSMENT

Do a pre lesson assessment to determine what the students already know about reading and using a ruler.

VOCABULARY

Inch, Meter, Centimeter

RELEVANT RESOURCES

Content

http://www.wikihow.com/Use-a-Ruler
http://en.wikipedia.org/wiki/Ruler
http://www.wikihow.com/Read-a-Ruler

Art

http://www.vendian.org/mncharity/dir3/paper_rulers/
http://havefunteaching.com/worksheets/math/measurement/estimate-measure-worksheet.pdf
http://www.math-aids.com/cgi/pdf_viewer_4.cgi?script_name=measuring_line_segments.pl&language=0&memo=&answer=1&x=143&y=31

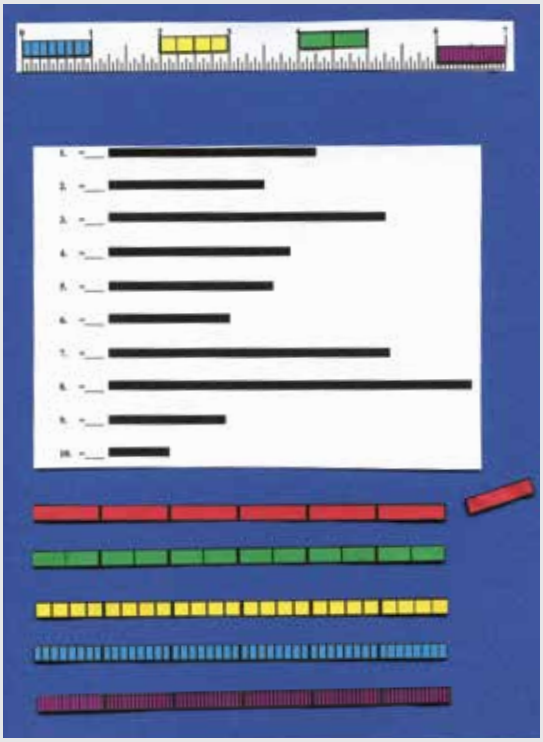
Students will engage in:

- ☐ Listening
- ☐ Speaking
- ☐ Reading
- ☐ Writing
- ☐ Partner Work
- ☐ Cooperative Learning
- ☐ Whole Group Instruction
- ☐ Visuals
- ☐ Hands on
- ☐ Technology Integration
- ☐ A Project
- ☐ Centers
- ☐ Simulations
- ☐ Activities

"A smile is a curve that sets everything straight."
-Phyllis Diller

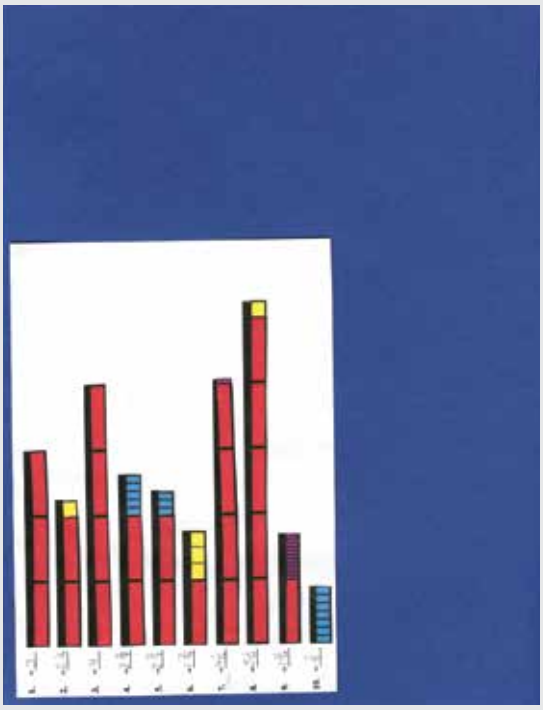
STEP 1

Using the template provided have the students cut out the sections of the template as shown in step one's image. Explain to the students how the colored boxes relate to the ruler. For example have the students notice each section of the red rectangles are equivalent to one inch on the ruler, as well as the green is equivalent to half an inch and so forth.



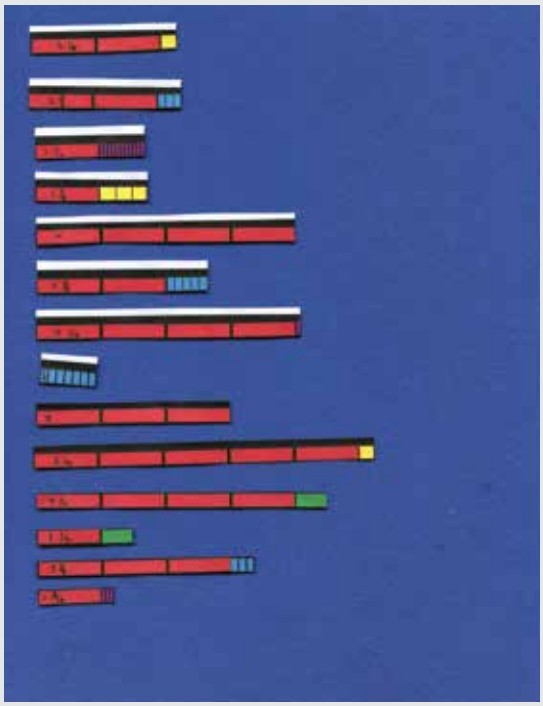
STEP 2

Have the students' measure each black line supplied on the worksheet, with the ruler provided. As the students measure each black line with a ruler have them write their measurements in the space provided. To check their answer have the students cut and paste on the colored boxes until the length of boxes lines up with the black line.



STEP 3

Have the students write the measurement on the colored strips with pen. Once all the black lines have been checked and the colored boxes have been pasted to them, have the students then cut out each line. Using the rulers the students have just made encourage them to measure objects in the room. To finish congratulate the students on accurately using a ruler, have them paste “I MEASURE UP” at the top of a colored paper. Have the students then randomly place the rulers and strips on the page to decorate their page.



POST LESSON ASSESMENT

Do a post assessment to determine what new knowledge the students have gained.