

Procedures (click on lesson to see directions)

[Lesson 1](#) (whole group): Standard and Non-Standard Units, Ruler Usage— This lesson may take 1-2 class periods. Before this lesson, print out [pre-assessment](#), [paper rulers](#), and [Reading a Ruler](#), and then make copies for your students. You will also need paper, overhead of [limerick](#) or projector to show students, the book [Measuring Penny](#), and (optional) computers with Internet access if you choose to complete a follow-up activity.

[Lesson 2](#): Linear Unit—This lesson may take 2-3 class periods. Before this lesson, you will need paper, overhead of [poem](#) or projector to show students, the book [How Big is a Foot?](#), and you will need to print out the packets including the covers for groups [1](#), [2](#), and [3](#).

- Packet 1 includes [Inch By Inch](#), [Tell Me What You've Learned About Measuring Fractional Parts](#), [What do I need to know for lesson 2 on linear measurement?](#), [Estimating Customary Length](#), [Inches, Feet, and Yards](#), [Choose the Appropriate Unit](#)
- Packet 2 includes [Inch By Inch](#), [Tell Me What You've Learned About Measuring Fractional Parts](#), [What do I need to know for lesson 2 on linear measurement?](#), [Estimating Metric Lengths](#), [Measure, Measure, Measure Fractional Parts](#), (back of page), [Inches, Feet, and Miles](#) and [the last untitled page](#).
- Packet 3 includes [Inch By Inch](#), [Tell Me What You've Learned About Measuring Fractional Parts](#), [What do I need to know for lesson 2 on linear measurement?](#), [Precise Measurements](#), [Metric Length 1](#) and [Metric Length 2](#), [Algebra 1](#) and [Algebra 2](#), [Linear Measure](#), [Start the Engines](#)

[Lesson 3](#): Perimeter and Area

This lesson should take 2-3 class periods. Before this lesson, you will need the book [Spaghetti and Meatballs for All](#), graph paper, and a poster of Bigfoot (optional). You will need to print out the packets including the covers for groups [1](#), [2](#), and [3](#).

- Packet 1 includes [Finding Area](#), [Perimeter and Area](#), [Page 3](#), and [Page 4](#)
- Packet 2 includes [First Activity](#), [Explore Area](#), [Area Squares](#), [Next Activity](#), [Finding Volume](#)

- Packet 3 includes [Whoosh \(Page 2\)](#), [Next Page](#), [Page 3](#), [Page 4](#), and the extra credit [A Tall Story, page 1](#), [A Tall Story, page 2](#), [Green Magic, page 1](#), [Green Magic, page 2](#)

#### Lesson 4: Weight

This lesson should take 2-3 class periods. Before this lesson, you will need the pictures of astronauts, foil square, basin of water or sink, and various classroom objects of different weights. Scale--optional

You will need to print out the packets including the covers for groups 1, 2, and 3.

- Packet 1 includes [weight](#), [mass](#), [more mass](#), [more weight](#)
- Packet 2 includes [weight](#), [mass](#), [more mass](#), [more weight](#)
- Packet 3 includes [weight](#), [mass](#), [more weight](#)

#### Lesson 5: Capacity

This lesson should take 2-3 days to complete. Before this lesson, you will need containers of various capacities, water, paper towel, black marker, mini-marshmallows, overhead of [Meaningful Measurements](#), plain paper, and construction paper cut to specific sizes if you want to complete the Measurement Man activity.

You will need to print out the packets including the covers for groups 1, 2, and 3.

- Packet 1 includes [Liquid Measurement Chart](#), [Capacity](#), [Capacity 2](#), [Measuring Liquids](#)
- Packet 2 includes [Capacity](#), [Metric Units and Tools](#), [Practice on Your Own, Customary Units and Tools](#), [Practice on Your Own, Customary Capacity and Weight, p. 2](#), [Metric Capacity and Mass, p. 2](#)
- Packet 3 includes [Capacity](#), [Compare the Pairs](#), [Moose Milk Dairy](#)