



## Colonial Homestead Project Building requirements


 Background reading [Rectangular solids or cubes](#)

 General Information:


- The easiest shapes to use for this project are cubes and rectangular solids.
- Cubes** or rectangular solids have three dimensions: length, width, and height.
- Cubes** are easy to measure. It is very easy, then, to find the area of the base (bottom), or the volume (the amount of space the cube takes up.)
- Rectangular solids** (shoe boxes) also have three dimensions: length, width, and height. There is a difference in the dimensions, because they are not all of equal length.

 Minimum dimensions of **cube**:

- The MINIMUM dimension of all sides **CUBE** is 25 centimeters (cm.)

 Minimum dimensions of your **rectangular solid**.

- The MINIMUM dimension of the LENGTH OF YOUR **RECTANGULAR SOLID** is 25 centimeters (cm.)
- The MINIMUM dimension of the WIDTH OF YOUR **RECTANGULAR SOLID** is 15 centimeters (cm.)
- The MINIMUM dimension of the HEIGHT OF YOUR **RECTANGULAR SOLID** is 10 centimeters (cm.)

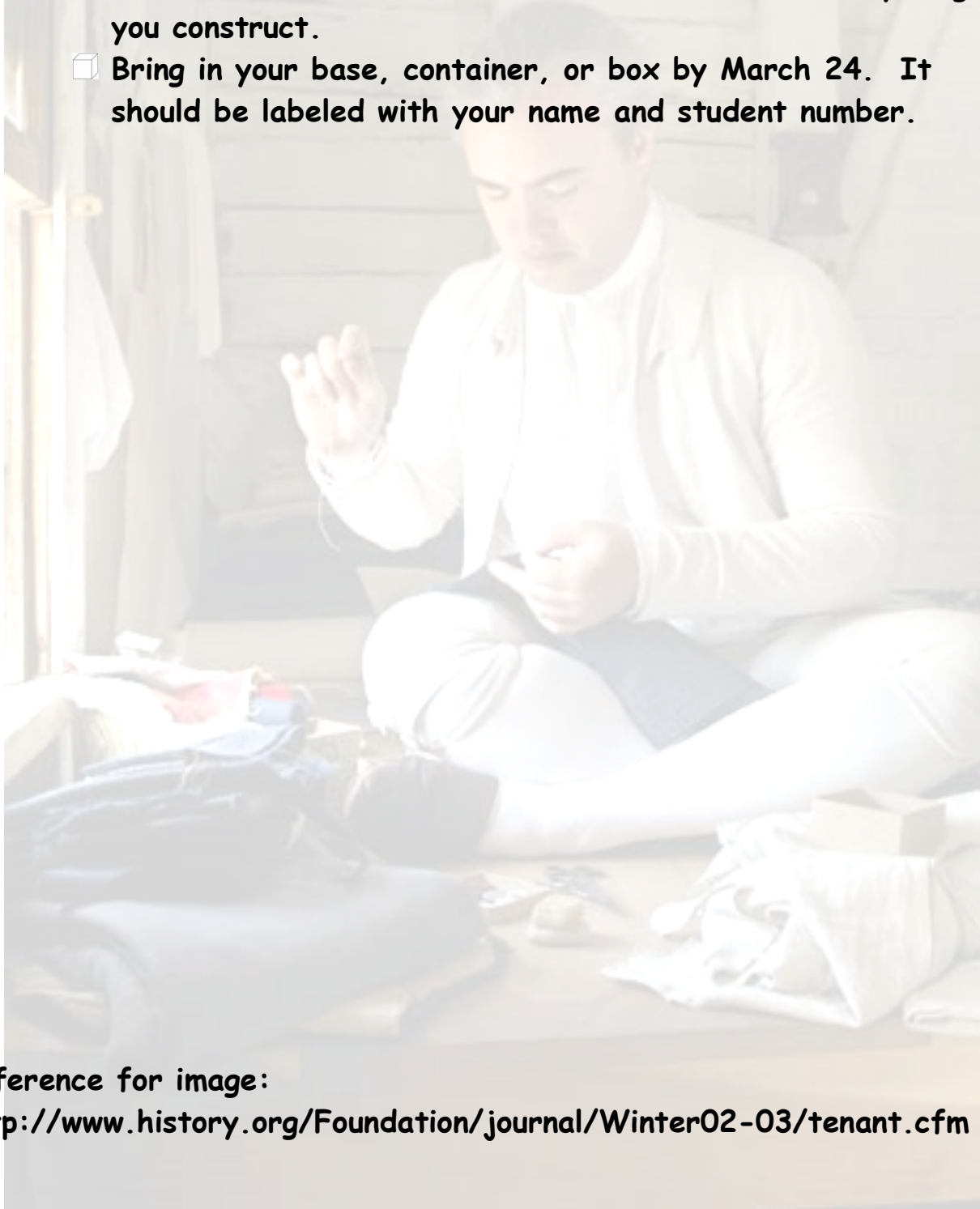
 Create objects within your homestead store **TO SCALE.**

- In most homes and buildings, the height of an entry door is approximately 7 feet.
- The height of an interior ceiling is approximately 8 feet. If the height of your shoebox is 10 cm, then the height of an entry must be  $\frac{7}{8}$  of 10 cm., or 8.75 cm.
- The height of people, the size of windows, the size of chimneys, and other interior objects must be matched appropriately.

- You will need to **create a floor plan IN SCHOOL** to show your understanding of this.
- Your homestead will need to be built **TO THE SCALE OF YOUR PLAN.**

 **BEGIN WITH THE BASE, CONTAINER, OR BOX!**

- Dimensions of the base will dictate the size of everything you construct.
- Bring in your base, container, or box by March 24. It should be labeled with your name and student number.



Reference for image:

<http://www.history.org/Foundation/journal/Winter02-03/tenant.cfm>