Units & Systems: Design Challenge

Invent a System of Measurement!

As a test to see if you understand what makes a system of measurement work, your team is now going to work on a challenging yet creative task. You are going to invent a brand new system of measurement!

Remember earlier when you read this?

Yesinia: Hey, if a king can name a **length** unit after his arm, so can we. I hereby declare 1 "schnoz" to equal the **length** of Markus' nose.

Now we are going to do what Yesinia joked about (but you do not have to use the schnoz as your base **unit**).

- Step 1: Select one property from the list that your invented system will measure (your teacher may add more choices).
 - length or distance
 - volume
 -] capacity
 - n mass
- Step 2: Create the base unit for your system and compare it to a familiar item. For example, Yesinia decided that the schnoz was a base unit and was equal to the length of Markus' nose.
- Step 3: Once you have your base unit, build off of it and make larger and smaller units. For example, with dry measures (the blueberry farmer's new favorite system), 2 pints equals 1 quart, 8 quarts equals 1 peck, etc. (see previous page). And Yesinia might decide that a "schnozette" is half the length of a schnoz. You get the idea.
- **Step 4:** Design a textbook page or a small poster that teaches your system to other people.
- Step 5: Present your system to the class.
- Step 6: Respond to challenges others have about how sensible your system is.
- Step 7: To the right is the list of challenges your classmates will use to evaluate your measurement system. How does your system measure up?



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Workspace for planning your original measurement system

INTo decided to develop a new system for.	
AAC accurate 1	
length or distance	
n volume	
mass mass	

ı of poster or textbook page	To help people learn our system,
	Simple poster Textbook page