

NAME: _____

PERIOD: _____ #: _____

“METRIC MONSTERS” PROJECT

Background:

During these upcoming weeks, you will be working with the metric system in science. You will learn the importance of understanding how to use this system and why the system is used. You will become familiar with measuring size in centimeters, mass in grams, liquid volume in milliliters, and the volume of a cube mathematically. Each night you should use your new knowledge to help you create a Metric Monster.

Your Task:

To create a three-dimensional model of a monster – scary or friendly – following the given metric system parameters and other requirements listed below.

Materials:

Any of your choice, to include at least two household items that you are recycling or reusing: Examples: tissue box, soda can, milk carton, bread bag, etc.

Requirements:

*Your monster **MUST** be created within the following **metric parameters:**

1. Height = between 15 and 40 centimeters (top to bottom; head to foot)
2. Length = between 12 and 34 centimeters (side to side; arm to arm)
3. Width = between 10 and 35 centimeters (front to back; belly to butt)
4. Mass = between 200 and 600 grams

*Your monster **MUST** have an **appropriate appearance:**

- Should LOOK like a creature (eyes, mouth, etc.)
- Should be of 7th grade quality
- Should show your BEST effort!
- Should be school appropriate – even if it is scary!

*Your monster **MUST** have an **index card** that includes:

1. The monster’s name and your name and period
2. The height measurements
3. The length measurements
4. The width measurements
5. The mass of your monster in grams
6. A sentence identifying at least two recycled items

***Good luck and have fun!!!**

***Measuring Date: Mon, August 5th, 2019**

Bring in your “rough draft” (i.e. mostly complete) monster to measure. This is the only way you’ll know what you need to revise! Note: This is not a day to work on your monster – we will only be measuring.

***Due Date: Fri, August 9th, 2019**

Your completed, edited project must be in class to be scored by you, a peer, and your teacher.

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Grading Rubric:

Earn points by having: the correct (1) height, (2) width, (3) length, (4) mass; (5) two recycled products, (6) a completed index card, and an (7) acceptable overall appearance!!! Each is worth 4 points!!!!

Metric Monster Checklist:

Put a checkmark next to each item once it is done 😊

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