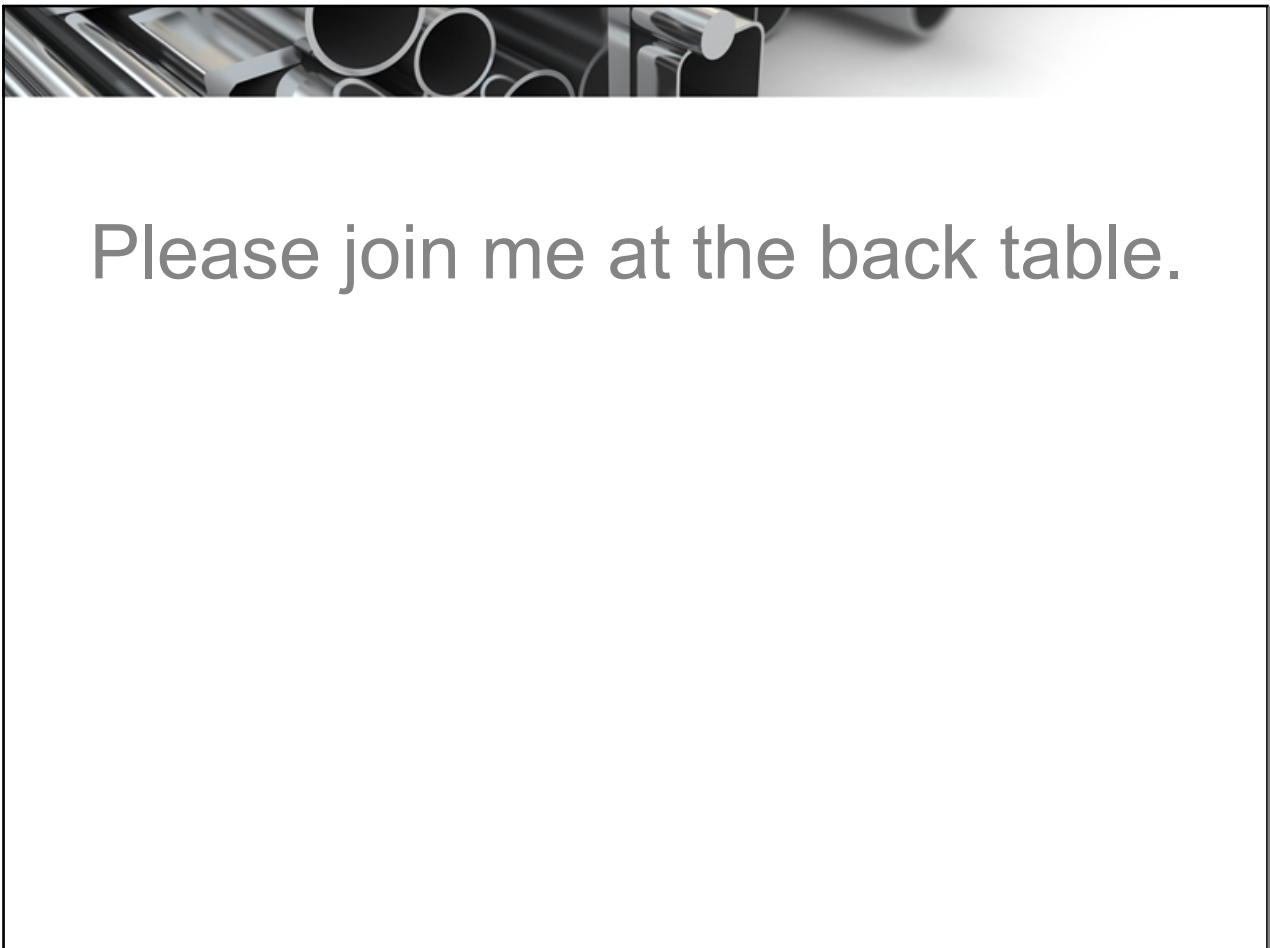


Grade 7 Science

Unit 4: Structures



Please join me at the back table.

Mass vs Weight

Here is a summary of what we have discussed today:

Weight is the force exerted by a mass because of gravity, measured in Newtons.

Mass is the amount of matter in an object, measured in kilograms.

The mass of an object does not change with gravity, but the weight will. The moon has 1/6 the gravity of earth, meaning you would weigh 1/6 of your earth weight while on the moon, however your mass is the same.

When you use a scale you are actually using weight to make it work. However, the scale gives a reading of mass. This works because the scales have been calibrated to convert the value of force exerted on it, into a reading of mass.

There are several different types of scales, but all work on similar principles. A force is exerted on it, something moves, a reading is given.

Structures

You may use any remaining time to work on anything you have that is incomplete. Currently, you should have the following in your binder:

- Structures Testing
- Joining Methods Note

If both of these are complete, you may work on work from your other classes.

