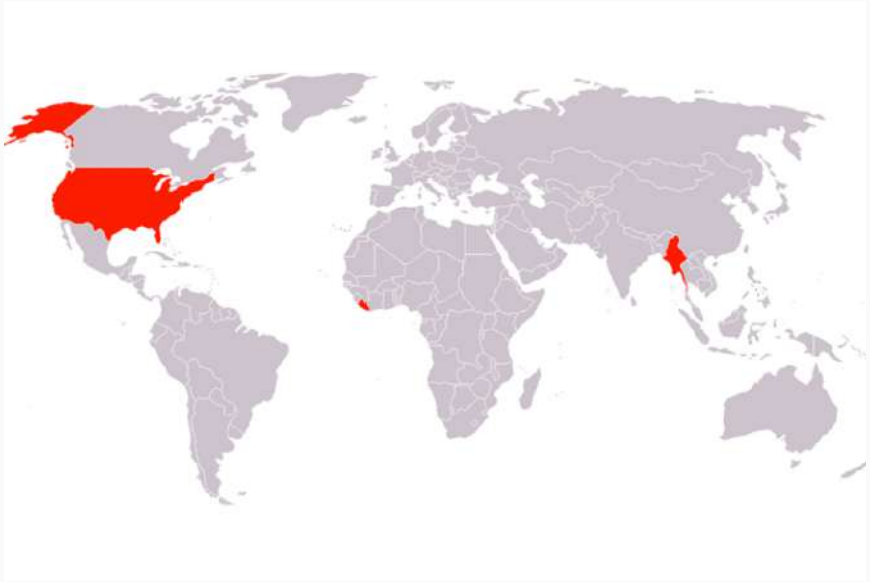
Do Nows
Metric PBL

Do Now 1/30/20

What do you notice and think about this map?

What do you wonder?



Roles

1. Leader
2. Supply Manager
3. Reporter

Day 1 Team Measuring Challenge

Pour 40 ml of water into the cylinder

Cut a 25cm length of string

Build a tower 45cm high

Find an object you think is 100g

Describe on the paper provided how you would dress for 20 degrees Celsius

DEBRIEF

1. Which measurements were you closest on?
2. How comfortable are each of you with the metric system?
3. Which unit is the most challenging to picture?
4. What did your team do well for collaboration?
5. What could you improve.
6. Self-assess

Do Now 1/31/20

What are some expectations you have of your teammates when you are in a group?

Do Now 1/14

What are some **units** we use to measure length? Speed? Volume? Time? Temperature?

Do Now 1/15

Your drive to school is 3.5 miles. What is that distance in feet? Use dimensional analysis and conversion factors.

Team Time- 10 minutes

- What are all of the ways you are exposed to numbers throughout your day?
- How are those things measured?
- Brainstorm interview questions to ask one adult and one peer about the numbers they see.

Do Now 2-10

Sit with your original group

A recipe calls for 7.5 teaspoons of canola oil but your bottle is ounces. How many ounces of canola oil do you need?

Team Time- 10 minutes

- Create 3 interview questions to ask one adult and 3 interview questions to ask one peer about the numbers they see. Interview those people today and bring your answers tomorrow.

Organize Binder

1. Calendar
2. Content Notes
3. Common Conversion Sheet
4. Conversion Tutorial
5. Conversion Stations (You will get this today)

Dimensional Analysis Stations

- Random Partners
- Move at the timed pace
- Use a pencil and calculator
- Show work!

Do Now 1/17

You are in school for 7.5 hours. How many seconds are you in school?

Team Time (10 minutes)

- Review answers from interview questions
- Begin to make list as a group about what would change/stay the same for units in the US if we switched to metric.

Whole Class Time

- Conversion List- What would change?
- Need to Knows- Revisit

Practice Time!!!

Do Now 1/22

A car is 6.4 feet long. How many meters is the car?

TURN IN DO NOW STAMP SHEET :)

Agenda- 1/18

- Unit Conversion Quiz
- Need to Know Revisit- What to add?
- Team Time- Metric vs. Standard
  - What would change?
  - Class Brainstorm
- Claim- Should we change to the metric system?
- Organize Binder

Do Now 2/19

Sort the following units into metric and American (some are both):

meters, feet, liters, pounds, quarts, kilograms, seconds, hours, mi/h, km/h

- Metric Quiz- if you missed it’s in your AC
- Turn in Do Nows from last week (if you haven’t)
- Organize Binder

Do Now 2/20

Convert:

1. 14 meters = _____ inches

2. 150 pounds = _____ kg

Do Now 2/24

Convert:

1. 6.5 days = _____ seconds

2. 7542 mL = _____ cups

Update Need To Knows

Sources for Individual Letter

Do you think America should switch to the metric system? Why or why not?

Write a letter to a congressperson or senator.

Individual Work Time

- Complete Annotation Sheet
- Show your teacher
- Look up the congressperson you want to send your letter to (you may need to put in your address after your zip code)
- Read the article on how to write a letter to a member of congress
- Begin to draft your letter

Do Now 1/25

Update your claim: Do you think the US should switch to the metric system? Why or why not?

Team Time

- Think of **daily examples** of how the measurements would change (think about food, Google maps, etc.)
- Begin to create your script for your group component

You will have a teacher meeting MONDAY!

Individual Work Time

- Complete Annotation Sheet
- Show your teacher
- Look up the congressperson or senator you want to send your letter to (you may need to put in your address after your zip code)
- Read the article on how to write a letter to a member of congress
- Begin to draft your letter

Letter to Congressperson

Dear _____,

Paragraph 1: Introduce yourself, state your claim

Paragraph 2 & 3: Reasoning of claim using your sources

Paragraph 4: Restate your claim and thank them for reading.

Do Now 2/28

How much and what do you need to finish your letter to your congressperson?

New Due Dates!

- Complete your letter to your Congressperson by the end of class today - Due Monday 3/2
  - Check for grammar and spelling! Please break it up into paragraphs :)
- If most of your group finishes, work on your outline or script for your final product
- Team Time next week to complete group project

Agenda Today

- Organize Binder
- Get a laptop and finish your letter to your congressperson.
  - Check for grammar and spelling! Please break it up into paragraphs :)
- If most of your group finishes, work on your outline or script for your final product

Turn In Do Now Stamp Sheet

Reminders

- Letter to Congressperson is due today on Google Classroom
- Binder Check is Today in Class
  - You can redo binder checks at any time :)
- Presentation for Group Portion is Thursday or Friday
  - I will also meet with each group today during binder checks :)

Team Time (I will call up for Binder Checks)

- Determine the 8+ measurements that would change and 2+ that would not change
- Complete the dimensional analysis/unit conversion for the measurements that would change
- Create the script for your group product

* Presentations Thursday or Friday in class

Do Now 2/4

As we finish up the group portion of the PBL, what qualities do you plan to bring to your group to finish by Thursday/Friday?

Reminders

If you missed Friday…

- Letter to Congressperson is due on GC
- Binder Check (I will check today)
- Do Now Stamp Sheet (from Friday)

ANY ASSIGNMENT CAN BE TURNED IN AGAIN

Team Time

- Determine the 8+ measurements that would change and 2+ that would not change
- Complete the dimensional analysis/unit conversion for the measurements that would change
- Create the script for your group product

* Presentations Thursday or Friday in class

Do Now 2/5

Out of this list what does your group need to do?

1. Identify measurements changes/no change
2. Unit conversions (standard to metric)
3. Write script
4. Practice/Record

Do Now 2/7

What does your group need to finish for your group portion of the PBL?

It is now due Monday!

Do Now 2/8

Rate yourself 1 (rarely) to 4 (always) for group work:

- I attend class and am on time every day.
- I communicate with my group.
- I am a team player and tried to help my group always.

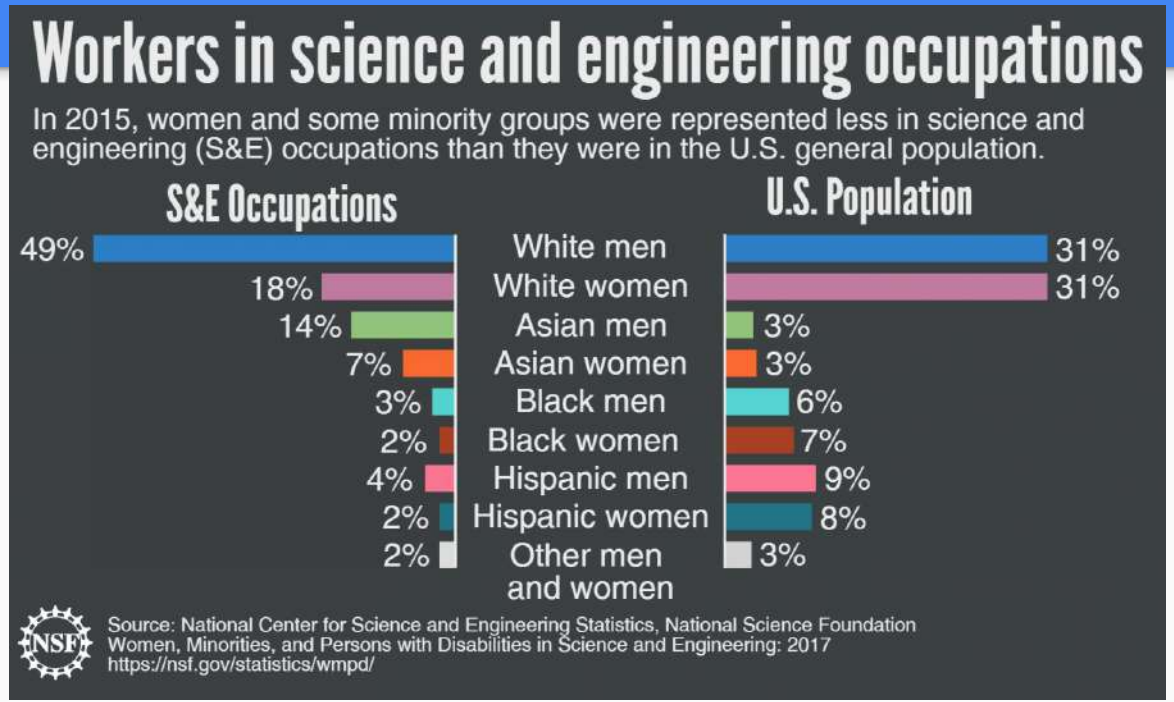
Today's Agenda

- Your group will meet with me to turn in your group portion
- You will complete a self and group evaluation
- I will give a sticky note of anything you need to work on for this class

Do Now 2/11

What do you notice about these graphs?

What does it tell you?



Do Now 3/2

Take out your annotation sheet.

What did one of your sources tell your about the metric system?

Group Portion Question/Goal

How would daily life change if America switched to the metric system? What would change and not change?

Create a skit, video, story, story book, etc. to tell your class. (3-5 minutes long due **Wednesday**)

Do Now

What type of group product will your group complete?

What are some examples of measurements that would change? That would not change?

Team Time

- Work on your group project - Video, skit, music video, etc.
- Brainstorm a list of 8+ measurements that would change and 2+ measurements that would not change