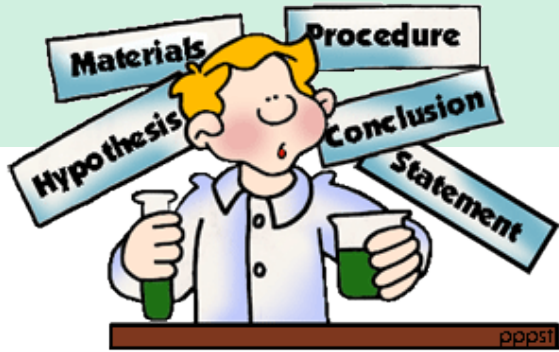


$\frac{1 \text{ pizza}}{\$14.78}$	$\frac{\$14.78}{1 \text{ pizza}}$	$\frac{15 \text{ persons}}{1 \text{ party}}$	$\frac{1 \text{ party}}{15 \text{ persons}}$
$\frac{12 \text{ slices}}{1 \text{ pizza}}$	$\frac{1 \text{ pizza}}{12 \text{ slices}}$	$\frac{1 \text{ person}}{4 \text{ slices}}$	$\frac{4 \text{ slices}}{1 \text{ person}}$

# Unit 2 Calendar

Monday	Tuesday	Wednesday	Thursday	Friday
23	24 Dimensional Analysis Content	25 Dimensional Analysis Stations	26 Dimensional Analysis Stations	27 Dimensional Analysis Practice
30 Graphing Stations	31 Graphing Practice	1 Scientific Method Lab (M&M)	2 Scientific Method Lab (TP)	3 Scientific Method Lab (TP)
6 Unit 2 Review	7 Unit 2 Test Unit 2 Binder Check	5	6	7

# Unit 2: Scientific Inquiry



This unit will cover three important skills needed in physics: dimensional analysis, graphing and the scientific method. We will be working hands on with labs and stations to see these topics in real life!

## Required Elements:

- ☐ Unit 2 Quiz
- ☐ Unit 2 Binder Check

## Choice Elements:

- ☐ 2 Dimensional Analysis Content
- ☐ Dimensional Analysis Stations
- ☐ 2 Dimensional Analysis Practice
- ☐ Graphing Stations
- ☐ 2 Graphing Practice
- ☐ Scientific Method Labs

## Dimensional Analysis

### Content Elements – Choose 2

- ☐ Video Lesson – Watch videos that help you learn about the subject. You are required to take notes for your binder.
- ☐ Mini Lecture– Attend a mini lecture with your teacher to learn the content. Notes are required for your binder.
- ☐ Online tutorial– Read through a tutorial and complete questions at the end. Notes and question answers must be recorded for credit

### Lab Stations

- ☐ Complete the required number of lab stations on dimensional analysis. Work with your group to learn hands on about dimensional analysis.

### Practice Elements – Choose 2

- ☐ Dimensional Analysis Challenge I – Need some basic review? Complete this worksheet with a group review in class.
- ☐ Dimensional Analysis Challenge II – Already feel confident in this subject? Work on this worksheet to practice.
- ☐ Dimensional Analysis Challenge III – Want a big challenge? Here's the practice for you!

## Graphing

### Lab Stations

- ☐ Complete the required number of lab stations on graphing. Work with your group to learn hands on about graphing.

### Practice Elements – Choose 2

- ☐ Graphing Challenge I – Need some basic review? Complete this worksheet with a group review in class.
- ☐ Graphing Challenge II – Already feel confident graphing? Work on this worksheet to practice
- ☐ Graphing Challenge III – Want a big challenge? Here's the practice for you!

## Scientific Method

### M&M Lab

- ☐ Work with your group and use the scientific method to solve a problem about M&Ms

### Toilet Paper Lab

- ☐ What type of toilet paper holds up the best with pennies and water? Combine your scientific method skills and graphing knowledge to complete this 2 day lab.

## Binder Check Rubric

\*Binders must be organized with contents from oldest to newest\*

\_\_\_\_/20 Dim. Analysis Content (2)

\_\_\_\_/30 Dim. Analysis Stations (1)

\_\_\_\_/20 Dim. Analysis Practice (2)

\_\_\_\_/20 Graphing Stations (1)

\_\_\_\_/20 Graphing Practice (2)

\_\_\_\_/20 M&M Lab (1)

\_\_\_\_/30 Toilet Paper Lab (1)

\_\_\_\_/10 Correct Binder Order

\_\_\_\_\_/170 Unit 2 Binder Check