

Grade 9

Distance Learning Module 2: Week of: April 6- April 9

**Content Area: Conceptual Physics - [Unit 1: Science Method and Measurement/Forces and Motion](#)**

**Targeted Goals from Stage 1: Desired Results**

**Content Knowledge:** Analyze qualitative and quantitative data to interpret patterns, draw conclusions, and/or make predictions.

**Vocabulary:** mass, volume, density, centi-, milli-, kilo-, accuracy, precision

**Skills:** Students will be able to develop mathematical skills in order to manipulate units of measurement and data.

**Expectation:**

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Students will be able to explain the difference between precision and accuracy  Students will be able to describe different methods of measuring using SI Units and practice accuracy in measuring.	Accuracy vs Precision Video Accuracy vs Precision Activity  ruler	Submit Accuracy and Precision Measurement Activity
Tuesday:  Introduction to Formula Card and Conversion Factors (See Classroom resources for formula card with Math support)  Density of Metals Lab Activity (video and supplied data)	Conversion Factors Reference Card Conceptual Physics Formula Card  Density of Mystery Metals Lab	Submission of Density Mystery Metals Lab Calculations and Questions
Wednesday: Students will be able to describe the different metric units and be able to practice	Metric System Units	Measuring in Metric Activity

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
conversions used within the metric system	Metric Conversions: KHDbDCM (King Henry...)  Edpuzzle Metric Conversion Lesson	
Thursday: Students will be able to describe the purpose of scientific notation and be able to write very large and very small numbers in scientific notation and in standard format from scientific notation.	Edpuzzle Scientific Notation  How to Write in Science Notation  Scientific Notation Practice with Answer Key Attached	Edulastic Science Notation Exit Slip  (Work for Week 2 Module is due Thursday April 9 at midnight)
Friday:  GOOD FRIDAY NO SCHOOL	GOOD FRIDAY NO SCHOOL!	GOOD FRIDAY NO SCHOOL!

**Week criteria for success:**

Daily assessments will demonstrate proficiency in mathematical analysis of data and units of measurement

Students will score at least a 75% on the Measurement and Metrics Check-in Quiz Assessment

**Supportive resources and tutorials for the week** (plans for re-teaching):

Relevant Textbook Chapter: Physical Science Concepts in Action Chapter 1 (pg 2-22) (Posted in Google Classroom Resources Tab)

Physical Science Book Supportive Activities

Lesson Videos Check in via ZOOM/discuss/ video recordings

Unit 1: Forces and Motion Scientific Method and Measurement Review Guide Unit 1 Science Method and Measurement Review Guide

Conversion Factors Reference Card

Conceptual Physics Formula Card