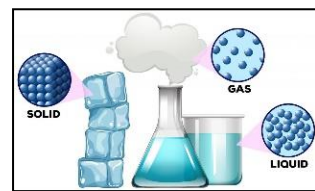


Jrac Science

Weekly Plans for

Monday, January 1, 2024 – Friday, January 19, 2024



Monday: 1/1/24 – Tuesday 1/2/24 – No School Winter Break

Wednesday: 1/3/24

Plan to: Science News Break (SNB): **Read about current science in the SCIENCE WORLD magazine (December)**

Target: Students will explore some current science that is happening by reading articles and answering questions from a science news website.

Due today: Nothing

Assignments: Finish SNB reflection paper. (Due by the end of the school day on Monday 1/8/24)

Thursday: 1/4/24

Plan to: Attempt the T. O. T. B. Bonus: Brain Breakdown [+14]

Target: Students will work on their problem solving / Critical Thinking skills while attempting to solve these brain teaser questions.

Due Today: Nothing

Assignments: None

Friday: 1/5/24

Plan to: Start new States of Matter unit with LAB: “Thermal Expansion: It’s kind of a “big” deal”

Target: Students will investigate the ideas of Thermal expansion and the Kinetic Theory of Matter.

Due today: Nothing

Assignments: Finish LAB: “Thermal Expansion: It’s kind of a “big” deal”

Monday: 1/8/24

Plan to: Discuss last week’s Lab, and begin unit discussion by taking notes on Thermal Expansion and the KTM

Target: Students will gain an understanding of the Kinetic Theory of Matter by participating with a classroom discussion.

Due today: LAB: “Thermal Expansion: It’s kind of a “big” deal” and SNB reflection paper. (Due by 2:55pm 1/8/24)

Assignments: None

Tuesday: 1/9/24

Plan to: Discuss and finish notes on the 5 states matter and then begin homework

Target: Students will gain a better understanding of the phase changes by participating in a classroom discussion while taking notes.

Due today: Nothing

Assignments: READ chapter 14 section 1, Complete Wks: “14-1: Matter & Thermal Energy” and Watch helpful videos listed on Schoology

Wednesday: 1/10/24

Plan to: Start notes on phase changes and understanding Heating/Cooling Curves.

Target: Students will gain a better understanding of the phase changes by participating in a classroom discussion while taking notes.

Due today: Wks: “14-1: Matter & Thermal Energy”

Assignments: Review Heating/ Cooling curve calculations and finish any practice problems that were not finished in class.

Thursday: 1/11/24

Plan to: Finish notes, Work together in class on Wks: “From Ice to Water to Vapor” then work on Assignment.

Target: Students will gain a better understanding of the energy needed and used during the phase change process.

Due Today: Any practice problems that were not finished in class

Assignments: Finish Wks “Changing States of Matter”

Friday: 1/12/24

Plan to: Collect Data for the LAB: "Finding the Melting point of Naphthalene (C₁₀H₈)"

Target: Students will gain a better understanding of the energy needed and used during the phase change process.

Due Today: Wks "Changing States of Matter"

Assignments: Finish Lab questions and calculations after making Line Graph (All is due by Tuesday 1/16/24)

Monday: 1/15/24 – No School – Martin Luther King Jr. Day

Tuesday: 1/16/24 – QUIZ and the END of the 2nd Nine Weeks

Plan to: Review Wks: "Changing States of Matter" and take **STATES of MATTER Assessment Quiz**– ((Only on States of Matter, Phase Change terms, and your Reading from the book (NO Phase Change Calculations yet)))

Target: Students will gain a better understanding of the energy needed and used during the phase change process.

Due Today: Graph and Lab questions/ calculations for the Naphthalene Lab.

Assignments: Watch Pre Lab video for tomorrow's lab

Wednesday: 1/17/24 – FIRST Ski & Board Club Trip to 7-Springs

Plan to: LAB: Why do we salt the Roads?

Target: Students will gain a better understanding of the effect a solute has on the Freezing point.

Due today: Nothing

Assignments: Finish Lab questions and Graph for LAB: Why do we salt the Roads? (Due Friday 1/18/24)

Thursday: 1/18/24

Plan to: Review yesterday's Lab and discuss Freezing point Depressions

Target: Students will gain a better understanding of the effect a solute has on the Freezing point.

Due today: Nothing

Assignments: Watch Pre-LAB Video and FINISH graph & Questions for Lab: "Why do we salt the roads?"

Friday: 1/19/24

Plan to: Lab: "Sweet Treats are made of these! Who am I to disagree?"

Target: Students will gain a better understanding of the effect a solute has on the Freezing point.

Due today: LAB Sheet: Why do we salt the Roads?

Assignments: Finish Lab questions for Lab: "Sweet Treats are made of these! Who am I to disagree?"

*** In order to participate in this Reward LAB, You must have completed 90% of all the previous work for this unit AND been in attendance during this unit at least 90% of the time (VERY few exceptions will be made to this) Those that fail to meet these expectations will instead use this time today to complete their missing work for partial credit while the rest of the class completes the SWEET lab!



Saturday: 1/20/24 – Science Olympiad Competition @PITT

