

# Jrac Science

## Weekly Plans for

Monday, February 17, 2025 – Friday, March 7, 2025



**Monday: 2/17/25 – Presidents Day – No School for Students – Teacher Inservice**

**Tuesday: 2/18/25**

Plan to: Take notes on Air Pressure, Vapor Pressure and Boiling

Target: Students will gain a better understanding of the gas laws.

Due Today: Wks “Pascal’s Practice/ Isolate”

Assignments: Complete Wks: “Boiling at Different Altitudes”

**Wednesday: 2/19/25**

Plan to: Expand your knowledge about one of the locations we discussed yesterday: Death Valley National Park

Target: Students will gain knowledge of one of our country’s most amazing National Parks

Due today: Wks: “Boiling at Different Altitudes”

Assignments: Watch the video (on Jrac’s Website and Schoology) and complete Wks: Death Valley and Start working on Study Guide



**Thursday: 2/20/25**

Plan to: Lab: “How Strong is Air Pressure?”

Target: Students will apply their knowledge and understanding of the gas laws

Due today: Wks: Death Valley

Assignments: Complete Lab Sheet: “How Strong is Air Pressure?” & Continue working on Study Guides.

**Friday: 2/21/25**

Plan to: Discuss Air Pressure with Demonstrations. (Vacuum Pump)

Target: Students will apply their knowledge and understanding of the five states of matter to explain several demonstrations.

Due today: Lab Sheet: “How Strong is Air Pressure?”

Assignments: Continue working on Study guide and studying for the test.

**Monday: 2/24/25**

Plan to: Discuss Boyle’s Law and Charles’ Law notes with demonstration. (**P-T-V** board)

Target: Students will gain a better understanding of the gas laws.

Due Today: Nothing

Assignments: Complete Wks “I want my PTV Problems”



**Tuesday: 2/25/25**

Plan to: Review Homework and then use the rest of the class to work on Study guide, ask questions, and prepare for the test.

Target: Students demonstration their knowledge and understanding of the five states of matter.

Due Today: Wks “I want my PTV Problems”

Assignments: Continue Studying for Test

**Wednesday: 2/26/25 - TEST: State of Matter – Get to class ON TIME**

Plan to: Take **PART ONE** of the **BIG States of Matter Test** – (Zip Grade Questions [50pts])

Target: Students will demonstrate their knowledge of States of Matter on the summative assessment.

Due today: Nothing

Assignments: Continue to Study and prepare for Part 2 and 3 tomorrow.

**Thursday: 2/27/25– TEST: State of Matter – Get to class ON TIME**

Plan to: Take **PART TWO & THREE** of the **BIG States of Matter Test** – (Completion and Calculation Questions [30pts])

Target: Students will demonstrate their knowledge of States of Matter on the summative assessment.

Due today: Nothing

Assignments: None

### Friday: 2/28/25

Plan to: Start Notes on Thermal Energy, Temperature and Heat.

Target: Students will start to gain a better understanding of energy

Due today: Nothing

Assignments: None.

### Monday: 3/3/25

Plan to: Continue our notes and start discussing Temperature scale

Target: Students will start to gain a better understanding of energy

Due today: Nothing

Assignments: None

### Tuesday: 3/4/25

Plan to: Review and finish yesterday's Notes on Temperature Scales

Target: Students will apply their knowledge to better understanding a connection between the different temperature scales.

Due Today: Nothing

Assignments: FINISH Wks: "Don't be afraid. It's only Temperature Conversions"

### Wednesday: 3/5/25

Plan to: Discuss how to Calculate Thermal Energy.

Target: Students will demonstrate their understanding of the concepts of Energy through a formative assessment.

Due today: Wks: "Don't be afraid. It's only Temperature Conversions."

Assignments: Complete Wks: "Thermal Energy"

### Thursday: 3/6/25

Plan to: Review homework then take the Temperature Conversion quiz. Then Read Chapter 5 sections 1 & 2

Target: Students will demonstrate their understanding of the concepts of Energy through a formative assessment.

Due today: Wks: "Thermal Energy"

Assignments: Complete wks: "5-1/2: Temperature, Thermal Energy and Heat"

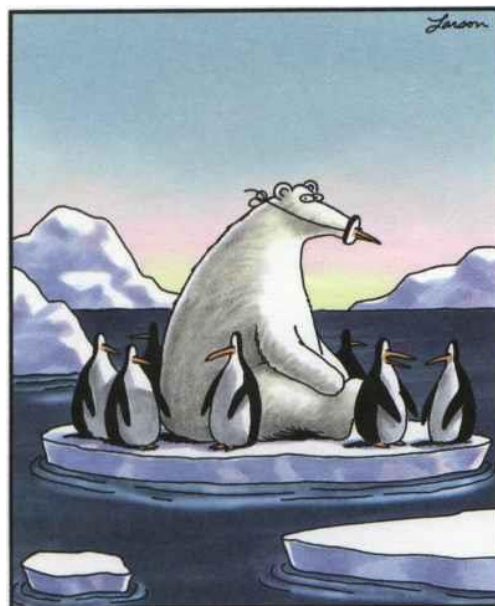
### Friday: 3/7/25

Plan to: Watch and Discuss Video "Chasing the Ultimate Freezing Point: Absolute Zero"

Target: Students will gain an understanding of the challenges faced by many scientist as they attempt to reach absolute zero.

Due today: wks: "5-1/2: Temperature, Thermal Energy and Heat"

Assignments: Finish if not completed in class, Wks: "Absolute Zero"



"And now Edgar's gone. ...  
Something's going on around here."