



Jrac Science

Weekly Plans for Monday, March 10, 2025 – Saturday, March 29, 2025



Monday: 3/10/25

Plan to: Take notes on the Conduction, Convection, and Radiation.

Target: Students will start to gain a better understanding of these terms

Due today: Wks: “Absolute Zero”

Assignments: Finish the notes using my website and watch Helpful Video #4, #5, and #6 on the Thermal Energy Resource Page

Tuesday: 3/11/25

Plan to: LAB: “Equilibrium: Conduction Junction”

Target: Students will gain a better understanding Energy transfer through Conduction by completing this lab

Due today: Nothing

Assignments: Finish LAB Sheet:” Equilibrium: Conduction Junction” (This includes a GRAPH)

Wednesday: 3/12/25

Plan to: Lab: “Convection Cells believe: what goes around, comes around”

Target: Students will gain a better understanding of Energy transfer through convection by completing this lab

Due today: LAB Sheet with GRAPH:” Equilibrium: Conduction Junction”

Assignments: Finish Lab Sheet: “Convection Cells believe: what goes around comes around”

Thursday: 3/13/25

Plan to: Lab: Absorption of Radiant Energy

Target: Students will gain a better understanding of Energy transfer through Radiant Energy by completing this lab

Due today: Lab Sheet: “Convection Cells believe: what goes around comes around”

Assignments: Finish Absorption of Radiant Energy Lab GRAPH & Questions (This includes a GRAPH)

Friday: 3/14/25 – Pie Day - No School

Monday: 3/17/25 – St. Patrick’s Day - No School for Students – Teacher Inservice

Look for a bonus opportunity hidden in your daily Schoology plans. (Found in Tomorrow’s Daily Plans) If you are lucky, you will find it, do it, and turn it in before time runs out and claim your reward.



Tuesday: 3/18/25

Plan to: Study and review for Energy Test.

Target: Students will Review their knowledge of Energy as they prepare for their summative assessment.

Due today: Lab Sheet: Absorption of Radiant Energy (GRAPH & Questions)

Assignments: Study and Review for the Test.

Wednesday: 3/19/25

Plan to: Take the Thermal Energy Test

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

Due today: Nothing

Assignments: None

Thursday: 3/20/25

Plan to: Start Lab Project: “The Heat is On!” – Day 1 (Intro – Groups – Research – Experiment Design)

Target: Students will gain a better understanding Energy transfer through Conduction by completing this lab

Due today: Nothing

Assignments: Prepare to test your insulating material tomorrow.

Friday: 3/21/25

Plan to: Start Lab Project: "The Heat is On!" – Day 2 (Data Collection)

Target: Students will gain a better understanding Energy transfer through Conduction by completing this lab

Due today: Nothing

Assignments: Start thinking about and gathering materials that might be used.

Monday: 3/24/25 – Star Testing – Day 1

Plan to: Start Lab Project: "The Heat is On!" – Day 3 (Data Analysis & Product Design)

Target: Students will gain a better understanding Energy transfer through Conduction by completing this lab

Due today: Nothing

Assignments: Complete Insulator Data Analysis and gather materials for tomorrow's construction.

Tuesday: 3/25/25 – GROUP Pictures – Star Testing – Day 2

Plan to: Start Lab Project: "The Heat is On!" – Day 4 (First Product Construction Day)

Target: Students will gain a better understanding Energy transfer through Conduction by completing this lab

Due today: Nothing

Assignments: Bring in any materials that you might need to finish your product.

Wednesday: 3/26/25

Plan to: Start Lab Project: "The Heat is On!" – Day 5 (Last Product Construction Day)

Target: Students will gain a better understanding Energy transfer through Conduction by completing this lab

Due today: Nothing

Assignments: Think about what you might need to complete your marketing requirements.

Thursday: 3/27/25

Plan to: Start Lab Project: "The Heat is On!" – Day 6 (Marketing)

Target: Students will gain a better understanding Energy transfer through Conduction by completing this lab

Due today: Nothing

Assignments: None

Friday: 3/28/25 – FR Activity Day

Plan to: Start Lab Project: "The Heat is On!" – Day 7 (Product Testing & Marketing Presentation)

Target: Students will gain a better understanding Energy transfer through Conduction by completing this lab

Due today: Lab Packet: "The Heat is On!", Final Product, and Final Marketing for product

Assignments: None

Saturday: 3/29/25 – Science Olympiad Southwestern PA Regional Tournament @ Penn West CAL

