

Periodic Table of the Elements

Jrac Science

Weekly Plans for
Monday, April 15, 2024 – Friday, May 3, 2024



Monday: 4/15/24

Plan to: **Self-Guided Note Taking Day:** watch and Take notes and discuss the Structure of an Atom.

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

Due today: Nothing (*Suggested = Wks: Naming the Elements- Part 2*)

Assignments: Complete wks: “16-1: Structure of an Atom with Element Crossword”

Tuesday: 4/16/24 - TEST

Plan to: Take **Element Symbol TEST (30 minutes MAX)**. All tests will be collected at the end of that time) **then learn how to Review for the Science PSSA**

Target: Students will first demonstrate their knowledge of the elements then gain a better understanding of isotopes through discussion while taking notes.

Due today: Wks: “16-1: Structure of an Atom with Element Crossword”

Assignments: LOOK AHEAD! Next week is the ELA PSSA testing. During this time, we will be continuing our Unit on the Periodic Table and Atomic Structure with some self-guided instruction.

Wednesday: 4/17/24 – **Joseph C. Leftwich 8th Grade Scholarship Applications OPEN**

Plan to: **Self-Guided Note Taking Day:** watch and take notes for the **video for Notes: Atoms, Ions, & Isotopes**

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

Due today: Nothing

Assignments: Finish Wks: “Professor Dave’s Check for Understanding”

Thursday: 4/18/24

Plan to: **Check Point QUIZ** and then **Self-Guided Note Taking Day:** watch and take notes for the **video for Notes: The Periodic Table – PARTS 1 and 2**

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

Due today: Wks: “Professor Dave’s Check for Understanding”

Assignments: Finish both Parts of Video Notes and complete Wks: “Calculating what’s in an Atom”

Friday: 4/19/24

Plan to: **Check Point QUIZ** and then **Self-Guided Note Taking Day:** watch and take notes for the **video for Notes: Bohr & Orbital Diagrams**

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

Due today: Nothing

Assignments: Complete Wks: “Atomic Diagrams: Orbital and Bohr” **AND Begin Study Guide**

LOOK AHEAD! Next week is the start of PSSA Testing. It will continue the following week. There will be 3 days of ELA, 2 days of Math, and 2 days of Science. The daily Schedule for those days has the morning for testing followed by shorten class periods 1-9. Please be aware that sometimes in previous years the testing has run longer than expected and as a result the Office has adjusted the schedule by eliminating a class period (Example: Day 1 ELA we might not have 1st period). Because of this and the fact that we have more topics to cover before the end of the year, you will be asked to stay on pace with these weekly plans. So even if your class period is eliminated, **YOU ARE STILL RESPONSIBLE TO COMPLETE THE WORK FOR THAT DAY**. You can use your 9th period or finish it for homework.

Monday: 4/22/24 – **ELA PSSA DAY 1**

Plan to: Review Homework then you will have a **Self-Guided Note Taking Day:** watch and take notes for the **video for Notes: Types of Chemical Bonds**

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

Due today: Wks: “Atomic Diagrams: Orbital and Bohr”

Assignments: Finish Notes if not finished in class. Continue Studying for test.

Tuesday: 4/23/24 – **ELA PSSA DAY 2**

Plan to: Review chemical bonds and then work on homework..

Target: Students will gain a better understanding of how atoms bond with each other to form compounds.

Due today: Nothing

Assignments: Finish wks: “Bond Voyage!” **Due 4/25** (suggested due date = 4/24) Continue Studying for test.



Wednesday: 4/24/24 – ELA PSSA DAY 3

Plan to: Begin watching NOVA video: “Hunting the Elements”

Target: Through a NOVA video, students will gain a better understanding of the periodic table and the atomic structure.



Due today: Nothing



Assignments: Finish watching the NOVA Video (Found on my website) and finish worksheet “Hunting the Elements”.

Thursday: 4/25/24

Plan to: Review Day review wks, labs, study guide, and prepare for tomorrow’s test.

Target: Students demonstration their knowledge and understanding of the Atomic Structure and the Periodic Table of Elements



Due today: Wks: “Hunting the Elements” & wks: “Bond Voyage!”



Assignments: Continue to study for tomorrow’s test

Friday: 4/26/24 – TEST Atomic Structure & the Periodic Table

Plan to: Take the Atomic Structure Test – YOU WILL ONLY BE GIVEN THE CLASS TIME – NO TIME EXTENSIONS!

Target: Students will first demonstrate their knowledge of the atomic structure and the Periodic Table.



Due today: Nothing



Assignments: None

Saturday: 4/27/24 - State Science Olympiad Competition

Monday: 4/29/24 – MATH PSSA – Day 1

Plan to: Self-Guided Note Taking Day: watch and take notes for the video for Notes: Classification of Matter

Target: Students will gain a better understanding of how matter is classified by participating in a classroom discussion while taking notes.



Due Today: Nothing



Assignments: Complete Wks “15-1: Composition of Matter” - Due 5/3 (suggested due date = 4/30)

Tuesday: 4/30/24 – MATH PSSA – Day 2

Plan to: Self-Guided Note Taking Day: take notes for the video for Notes: Physical & Chemical properties/change

Target: Students will gain a better understanding of Physical and Chemical properties/changes by participating in a classroom discussion & notes.



Due Today: Nothing



Assignments: Complete Wks – “15-2: Properties of Matter” - Due 5/3 (suggested due date = 5/1)

Wednesday: 5/1/24 – SCIENCE PSSA – Day 1

Plan to: Self-Guided Note Taking Day: take notes for the video for Notes: Chromatography and Rate of Flow

Target: Students will gain a better understanding of the Chromatography process and how to measure the Rate of Flow.



Due Today: Nothing



Assignments: Complete Wks: “Rate of Flow”- Due 5/3 (suggested due date = 5/2)

Thursday: 5/2/24 – SCIENCE PSSA – Day 2

Plan to: Self-Guided Note Taking Day: take notes for the video for Notes: Balancing Chemical Equations

Target: Students will understand the process and then correctly balance chemical change reaction equations.



Due Today: Nothing



Assignments: Complete Wks - “Balancing Chemical Equations”- Due 5/3

Friday: 5/3/24 (Adjudication Trip – Band /Chorus)

Plan to: Review all the Homework that was due today and then begin working on wks: “More Balancing Equations”

Target: Students will understand the process and then correctly balance chemical change reaction equations.



Due today: Wks “15-1: Composition of Matter”, Wks – “15-2: Properties of Matter”, Wks: “Rate of Flow” and Wks - “Balancing Chemical Equations”



Assignments: Finish wks: “More Balancing Equations” AND (Start working on the Study Guide)

