Needwood Middle School
2024-2025
Daily Agenda/Lesson Plan

Teacher(s): Gainous/Pruitt	Date: 8/12 Day 1: Atomic Structure
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning the characteristics of atoms and molecules so that I can correctly identify a substance given a picture or description
Success Criteria:	☐ I can define an atom ☐ I can draw a model of an atom and label its 2 sections and 3 particles ☐ I can draw models of molecules ☐ I can compare and contrast properties of atoms and molecules
Activity(ies)/Assignment with Text and/or Links:	Build an Atom Phet.docx 2024 Atoms, Elements, PT notes fill in Phet Simulation 2024-25 Unit 1 Atoms and The Periodic Table

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Teacher(s): Gainous/Pruitt	Date: 8/13 Day 2: Atomic Mass/Number
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning the characteristics of atoms and molecules so that I can correctly identify a substance given a picture or description

Success Criteria:	☐ I can define an atom ☐ I can draw a model of an atom and label its 2 sections and 3 particles ☐ I can draw models of molecules ☐ I can compare and contrast properties of atoms and molecules
Activity(ies)/Assignment with Text and/or Links:	2024-25 Unit 1 Atoms and The Periodic Table 2024 Atoms, Elements, PT notes fill in Copy of Periodic table.pdf Atomic mass and number worksheet

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Teacher(s): Gainous/Pruitt	Date: 8/14 Day 3: Counting Atomic Particles
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning the characteristics of atoms and molecules so that I can correctly identify a substance given a picture or description
Success Criteria:	☐ I can define an atom ☐ I can draw a model of an atom and label its 2 sections and 3 particles ☐ I can draw models of molecules ☐ I can compare and contrast properties of atoms and molecules
Activity(ies)/Assignment with Text and/or Links:	2024-25 Unit 1 Atoms and The Periodic Table 2024 Atoms, Elements, PT notes fill in Copy of Counting Atomic Particles Finish practice worksheets

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Teacher(s): Gainous/Pruitt	Date: 8/15 Day 4 M&M's Lab
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning the characteristics of atoms and molecules so that I can correctly identify a substance given a picture or description
Success Criteria:	☐ I can define an atom ☐ I can draw a model of an atom and label its 2 sections and 3 particles ☐ I can draw models of molecules ☐ I can compare and contrast properties of atoms and molecules
Activity(ies)/Assignment with Text and/or Links:	BuildAMolecule-Activity.docx 2024-25 Unit 1 Atoms and The Periodic Table 2024 Atoms, Elements, PT notes fill in M&M's Lab M&M's Google Form

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Teacher(s): Gainous/Pruitt	Date: 8/16 Day 5: Periodic Table
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning to analyze the periodic table of elements so that I can recognize patterns in how the elements are organized.
Success Criteria:	☐ I can list the three types of elements and describe where they are located on the periodic table ☐ I can define a period, draw an example, and

	describe how the elements within are related ☐ I can define a group, draw an example, and describe how the elements within are related ☐ I can recall the group numbers of alkali metals, alkaline earth metals, transition metals, halogens, and noble gases ☐ I can draw a sketch of the periodic table and label various parts
Activity(ies)/Assignment with Text and/or Links:	2024 Atoms, Elements, PT notes fill in 2024-25 Unit 1 Atoms and The Periodic Table Color Periodic Table Complete Periodic Table practice worksheets

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Teacher(s): Gainous/Pruitt	Date: 8/19 Day 6: Periodic Table Continued
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning the characteristics of atoms and molecules so that I can correctly identify a substance given a picture or description
Success Criteria:	☐ I can define an atom ☐ I can draw a model of an atom and label its 2 sections and 3 particles ☐ I can draw models of molecules ☐ I can compare and contrast properties of atoms and molecules
Activity(ies)/Assignment with Text and/or Links:	Review Period Table Finish coloring and worksheet

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Teacher(s): Gainous/Pruitt	Date: 8/20 Day 7: Molecules
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning the characteristics of atoms and molecules so that I can correctly identify a substance given a picture or description
Success Criteria:	☐ I can define an atom ☐ I can draw a model of an atom and label its 2 sections and 3 particles ☐ I can draw models of molecules ☐ I can compare and contrast properties of atoms and molecules
Activity(ies)/Assignment with Text and/or Links:	2024 Atoms, Elements, PT notes fill in 2024-25 Unit 1 Atoms and The Periodic Table Phet Lab 2023 BuildAMolecule-Activity

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Teacher(s): Gainous/Pruitt	Date: 8/21 Day 8: Molecules Practice
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning the characteristics of atoms and molecules so that I can correctly identify a substance given a picture or description
Success Criteria:	☐ I can define an atom

	☐ I can draw a model of an atom and label its 2 sections and 3 particles ☐ I can draw models of molecules ☐ I can compare and contrast properties of atoms and molecules
Activity(ies)/Assignment with Text and/or Links:	Counting Atoms in Molecules Practice Worksheet Atoms vs. Molecules

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Teacher(s): Gainous/Pruitt	Date: 8/23 Day 9: Achieve, “A Molecule Movie”
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning to analyze the periodic table of elements so that I can recognize patterns in how the elements are organized.
Success Criteria:	☐ I can list the three types of elements and describe where they are located on the periodic table ☐ I can define a period, draw an example, and describe how the elements within are related ☐ I can define a group, draw an example, and describe how the elements within are related ☐ I can recall the group numbers of alkali metals, alkaline earth metals, transition metals, halogens, and noble gases ☐ I can draw a sketch of the periodic table and label various parts
Activity(ies)/Assignment with Text and/or Links:	Achieve Article “A Molecule Movie” BrainPop Periodic Table

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Teacher(s): Gainous/Pruitt	Date: 8/24 Day 10: Escape Room
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning to analyze the periodic table of elements so that I can recognize patterns in how the elements are organized.
Success Criteria:	☐ I can list the three types of elements and describe where they are located on the periodic table ☐ I can define a period, draw an example, and describe how the elements within are related ☐ I can define a group, draw an example, and describe how the elements within are related ☐ I can recall the group numbers of alkali metals, alkaline earth metals, transition metals, halogens, and noble gases ☐ I can draw a sketch of the periodic table and label various parts
Activity(ies)/Assignment with Text and/or Links:	Escape Room Review Finish any assignments that are not complete

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Teacher(s): Gainous/Pruitt	Date: 8/27 Day 11: Unit Review
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.

Learning Target:	I am learning to analyze the periodic table of elements so that I can recognize patterns in how the elements are organized.
Success Criteria:	☐ I can list the three types of elements and describe where they are located on the periodic table ☐ I can define a period, draw an example, and describe how the elements within are related ☐ I can define a group, draw an example, and describe how the elements within are related ☐ I can recall the group numbers of alkali metals, alkaline earth metals, transition metals, halogens, and noble gases ☐ I can draw a sketch of the periodic table and label various parts
Activity(ies)/Assignment with Text and/or Links:	Study Guide Unit 1 Finish any missing assignments

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Teacher(s): Gainous/Pruitt	Date: 8/28 Day 12: Unit Test
Standards:	S8P1.e Develop models (e.g., atomic-level models, including drawings, and computer representations) by analyzing patterns within the periodic table that illustrate the structure, composition, and characteristics of atoms (protons, neutrons, and electrons) and simple molecules.
Learning Target:	I am learning to analyze the periodic table of elements so that I can recognize patterns in how the elements are organized.
Success Criteria:	☐ I can list the three types of elements and describe where they are located on the periodic table ☐ I can define a period, draw an example, and describe how the elements within are related ☐ I can define a group, draw an example, and describe how the elements within are related ☐ I can recall the group numbers of alkali metals, alkaline earth metals, transition metals, halogens, and noble gases

	☐ I can draw a sketch of the periodic table and label various parts
Activity(ies)/Assignment with Text and/or Links:	Test on Unify Extra Credit Progress Learning