| Name: | | Grading Quarter: | Week Beginn | ing: | |
|---------------------------|--------|--|---------------------------------------|------|--|
| Kristoffer Van Atten | | Q3 | January 6, 2025 | | |
| School Year: 2024 - 25 | | Subject: 8 th Grade Science – Physical Science | | | |
| Notes: No School – PD Day | | | , , , , , , , , , , , , , , , , , , , | | |
| Monday | | | | | |
| Tuesday | Notes: | Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M3: Electromagnetic Forces; L4:Electromagnetism SWBAT explore electromagnetism, or the interaction between electric charges and magnets. They will investigate how electric currents generate magnetic fields and how magnetic fields can be used to generate electric current through the exertion of forces at a distance. They will develop and use models to enhance their understanding of these processes and will investigate and explain the causes and effects of changes to electromagnetic devices. Lesson Overview: Students will encounter the phenomenon of loudspeakers and metal detectors and make claims about the interaction of electric current and magnets | | | |
| Wednesday | Notes: | Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M3: Electromagnetic Forces; L4:Electromagnetism SWBAT explore electromagnetism, or the interaction between electric charges and magnets. They will investigate how electric currents generate magnetic fields and how magnetic fields can be used to generate electric current through the exertion of forces at a distance. They will develop and use models to enhance their understanding of these processes and will investigate and explain the causes and effects of changes to electromagnetic devices. Lesson Overview: Students will perform investigations and labs on current and magnetic fields Academic Standards: NGSS: MS-PS2-3. A-C MS-ETS1-4: B, C AzSS: 8.P1U1.3,5 | | | |
| Thursday | Notes: | Objective: McGraw-Hill Inspire Science Physical Science U1: Energy and Motion; M3: Electromagnetic Forces; L4:Electromagnetism SWBAT explore electromagnetism, or the interaction between electric charges and magnets. They will investigate how electric currents generate magnetic fields and how magnetic fields can be used to generate electric current through the exertion of forces at a distance. They will develop and use models to enhance their understanding of these processes and will investigate and explain the causes and effects of changes to electromagnetic devices. Lesson Overview: Students will perform investigations and labs on electric motors and generators Academic Standards: NGSS: MS-PS2-3. A-C MS-ETS1-4: B, C AzSS: 8.P1U1.3,5 | | | |

| | Notes: | Objective: McGraw-Hill Inspire Science Physical Science | Academic |
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| | | U1: Energy and Motion; M3: Electromagnetic Forces; L4:Electromagnetism | Standards: |
| | | SWBAT explore electromagnetism, or the interaction between electric | NGSS: |
| | | charges and magnets. They will investigate how electric currents generate | MS-PS2-3. |
| П | | magnetic fields and how magnetic fields can be used to generate electric | A-C |
| Friday | | current through the exertion of forces at a distance. They will develop and | MS-ETS1-4: B, C |
| ₹ | | use models to enhance their understanding of these processes and will | AzSS: |
| | | investigate and explain the causes and effects of changes to | 8.P1U1.3,5 |
| | | electromagnetic devices. | |
| | | Lesson Overview: Students will complete a formative assessment on | |
| | | electromagnetism | |

| Name: Kristoffer Van Atten | | | Grading Quarter: Q3 | Week Beginn January 13, 2 | • | |
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| School Year: 2024 - 25 | | | Subject: 8 th Grade Science – Physical Science | | | |
| Monday | Notes: | U1: Energy and Mo SWBAT explore ele charges and magn | : Students will review and take a formative assessment on A-C | | | |
| Tuesday | Notes: | U1: Energy and Mo SWBAT explore ele charges and magn | Students will complete a | Academic Standards: NGSS: MS-PS2-3. A-C MS-ETS1-4: B, C AzSS: 8.P1U1.3,5 | | |
| Wednesday | Notes: | Objective: McGraw-Hill Inspire Science Physical Science U2: Understanding Waves; M1: Intro to Waves; L1: Wave Properties SWBAT explore mechanical wave properties by modeling mechanical waves using mathematical representations and identifying patterns in data gathered by observing a variety of mechanical waves. Lesson Overview: Students encounter the phenomenon of waves knocking people down, coming to the understanding that waves transfer energy, not matter. Academic Standards: NGSS: MS-PS4-1,2 MS-PS4-1,2 AZSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | | | |
| Thursday | Notes: | U2: Understanding SWBAT explore me waves using mather gathered by obsertesson Overview: | ojective: McGraw-Hill Inspire Science Physical Science 2: Understanding Waves; M1: Intro to Waves; L1: Wave Properties WBAT explore mechanical wave properties by modeling mechanical eves using mathematical representations and identifying patterns in data thered by observing a variety of mechanical waves. esson Overview: Students encounter the phenomenon of waves knocking cople down, coming to the understanding that waves transfer energy, et matter. | | | |
| Friday | Notes: | U2: Understanding SWBAT explore me waves using mather gathered by obserview: | Academic Standards: NGSS: MS-PS4-1,2 Mserving a variety of mechanical waves. Students encounter the phenomenon of waves knocking a coming to the understanding that waves transfer energy, CGraw-Hill Inspire Science Physical Science Academic Standards: NGSS: NGSS: MS-PS4-1,2 | | | |

| Name: Kristoffer Van Atten | | | Grading Quarter: Q3 | Week Beginn January 20, 2 | _ |
|-------------------------------|--------|---|---|------------------------------|---|
| School Year: 2024 - 25 | | | Subject: 8 th Grade Science – Physical Science | | |
| Monday | Notes: | No School – MLK d | | | |
| Tuesday | Notes: | Objective: McGraw-Hill Inspire Science Physical Science U2: Understanding Waves; M1: Intro to Waves; L1: Wave Properties SWBAT explore mechanical wave properties by modeling mechanical waves using mathematical representations and identifying patterns in data gathered by observing a variety of mechanical waves. Lesson Overview: Students perform experiments and investigations on properties of waves | | | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 |
| Wednesday | Notes: | Objective: McGraw-Hill Inspire Science Physical Science U2: Understanding Waves; M1: Intro to Waves; L1: Wave Properties SWBAT explore mechanical wave properties by modeling mechanical waves using mathematical representations and identifying patterns in data gathered by observing a variety of mechanical waves. Lesson Overview: Students perform experiments and investigations on properties of waves | | | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 |
| Thursday | Notes: | Objective: McGraw-Hill Inspire Science Physical Science U2: Understanding Waves; M1: Intro to Waves; L1: Wave Properties SWBAT explore mechanical wave properties by modeling mechanical waves using mathematical representations and identifying patterns in data gathered by observing a variety of mechanical waves. Lesson Overview: Students perform experiments and investigations on properties of waves | | | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 |
| Friday | Notes: | U2: Understanding SWBAT explore me waves using mather gathered by obserview: | Objective: McGraw-Hill Inspire Science Physical Science J2: Understanding Waves; M1: Intro to Waves; L1: Wave Properties WBAT explore mechanical wave properties by modeling mechanical waves using mathematical representations and identifying patterns in data eathered by observing a variety of mechanical waves. esson Overview: Students perform experiments and investigations on properties of waves | | |

| Name: Kristoffer Van Atten | | | Grading Quarter: Q3 | | Week Beginning: January 27, 2025 | |
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| School Year: 2024 - 25 | | | Subject: 8 th Grade Science – Physical Science | | | |
| | | | Subject. 8 Grade Science – Physical Science | | | |
| Monday | Notes: | U2: Understanding SWBAT explore me waves using mathered by observesson Overview: | v-Hill Inspire Science Physics Waves; M1: Intro to Waterhanical wave properties ematical representations ving a variety of mechanical students perform experires. Review for assessments | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AZSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | |
| Tuesday | Notes: | Objective: McGrav U2: Understanding SWBAT explore me waves using mathe gathered by obser Lesson Overview: S | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | | |
| Wednesday | Notes: | Objective: McGrav U2: Understanding Interactions SWBAT develop ar absorbed, or trans Lesson Overview: S interactions of me | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | | |
| Thursday | Notes: | Objective: McGraw-Hill Inspire Science Physical Science U2: Understanding Waves; M1: Intro to Waves; L2: Mechanical Wave Interactions SWBAT develop and use models to describe that waves are reflected, absorbed, or transmitted through various materials. Lesson Overview: Students perform experiments and investigations on the interactions of mechanical waves. | | | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | |
| Friday | Notes: | U2: Understanding Interactions SWBAT develop ar absorbed, or trans | nd use models to describe mitted through various n Students perform experir | ves; L2: Mechanical Wave e that waves are reflected, | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | |

| Name: Kristoffer Van Atten | | | Grading Quarter: Q3 | | Week Beginning: February 3, 2025 | |
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| School Year: 2024 - 25 | | | Subject: 8 th Grade Science – Physical Science | | | |
| Monday | Notes: | U2: Understanding Interactions SWBAT develop ar absorbed, or trans Lesson Overview: | McGraw-Hill Inspire Science Physical Science standing Waves; M1: Intro to Waves; L2: Mechanical Wave sevelop and use models to describe that waves are reflected, for transmitted through various materials. serview: Students perform experiments and investigations on the services of mechanical waves. 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | | |
| Tuesday | Notes: | U2: Understanding Interactions SWBAT develop ar absorbed, or trans Lesson Overview: S | bjective: McGraw-Hill Inspire Science Physical Science 2: Understanding Waves; M1: Intro to Waves; L2: Mechanical Wave | | | |
| Wednesday | Notes: | Objective: McGrav U2: Understanding Interactions SWBAT develop ar absorbed, or trans Lesson Overview: S interactions of me | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | | |
| Thursday | Notes: | U2: Understanding Interactions SWBAT develop ar absorbed, or trans Lesson Overview: S | ective: McGraw-Hill Inspire Science Physical Science Understanding Waves; M1: Intro to Waves; L2: Mechanical Wave eractions BAT develop and use models to describe that waves are reflected, orbed, or transmitted through various materials. son Overview: Students perform experiments and investigations on the eractions of mechanical waves. Review for lesson check | | | |
| Friday | Notes: | U2: Understanding Interactions SWBAT develop ar absorbed, or trans Lesson Overview: | McGraw-Hill Inspire Science Physical Science standing Waves; M1: Intro to Waves; L2: Mechanical Wave standing Waves; M1: Intro to Waves; L2: Mechanical Wave standing Waves; M1: Intro to Waves; L2: Mechanical Wave standards: NGSS: MS-PS4-1,2 MS-PS4-1,2 MS-PS4-A AzSS erview: Students perform experiments and investigations on the standards: Standards: NGSS: MS-PS4-1,2 MS-PS4 | | | |

| Name: Kristoffer Van Atten | | | Grading Quarter: Q3 | _ | Week Beginning: February 10, 2025 | |
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| School Year: 2024 - 25 | | | Subject: 8 th Grade Science – Physical Science | | | |
| Monday | Notes: | U2: Understanding Interactions SWBAT develop ar absorbed, or trans Lesson Overview: | v-Hill Inspire Science Phys g Waves; M1: Intro to Wa nd use models to describe mitted through various n Students perform experir chanical waves. Review fo | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | |
| Tuesday | Notes: | U2: Understanding Interactions SWBAT develop ar absorbed, or trans Lesson Overview: | v-Hill Inspire Science Phys g Waves; M1: Intro to Wa nd use models to describe mitted through various n Students perform experir chanical waves. Lesson C | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | |
| Wednesday | Notes: | Objective: McGrav U2: Understanding SWBAT develop ar how they interact various materials. Lesson Overview: S | Academic Standards: NGSS: MS-PS4-1,2 MS-PS4.A AzSS 6.P1U1.1 8.P4U1.3,4 8.P4U2.5 | | | |
| Thursday | Notes: | U2: Understanding SWBAT develop ar how they interact various materials. | tive: McGraw-Hill Inspire Science Physical Science nderstanding Waves; M1: Intro to Waves; The develop and use models to describe the properties of waves and they interact through reflection, absorption, or transmission through us materials. In Overview: Students complete module test. | | | |
| Friday | | No School (Valentine's Day?) | | | | |