## Table of Contents

Date	Title	Page #
8/19/25	Lab Rules	1
8/19/25	Science Diagrams	2
8/19/25	Scientific Drawings (Part 1)	3
8/19/25	Scientific Drawings (Part 2)	4
8/20/25	Chapter 1 Section 1 Guided Notes (Part 1)	5
8/20/25	Chapter 1 Section 1 Guided Notes (Part 2)	6
8/20/25	Skill/Practice Sheet 1.1C: What's Your Hypothesis? (Part 1)	7
8/20/25	Skill/Practice Sheet 1.1C: What's Your Hypothesis? (Part 2)	8
8/21/25	Chapter 1 Section 2 Guided Notes	9
8/22/25	Format for Writing Hypothesis and Conclusion	10
8/21/25	Chapter 1 Section 3 Guided Notes (Part 1)	11
8/21/25	Chapter 1 Section 3 Guided Notes (Part 2)	12
8/22/25	Skill/Practice Sheet 1.2E: Observations vs. Opinions (Part 1)	13
8/22/25	Skill/Practice Sheet 1.2E: Observations vs. Opinions (Part 2)	14
8/25/25	Twinkie Drop (Part 1)	15
8/26/25	Twinkie Drop (Part 2)	16
8/29/25	Investigative Phenomena: Earth, Sun, and Moon System	17
9/2/25	Explore: Lunar Cycle (Part 1)	18
9/2/25	Explore: Lunar Cycle (Part 2)	19
9/3/25	Explore: Lunar Cycle (Part 3)	20
9/3/25	Explore: Lunar Cycle (Part 4)	21
9/4/25	Explore: Lunar Cycle (Part 5)	22
9/4/25	Explore: Lunar Cycle (Part 6)	23

9/4/25	Explore: Lunar Cycle (Part 7)	24
9/4/25	Bill Nye "Moon" Video	25
	Bill Nye "Earth's Seasons" Video	26
9/5/25	The Reason for the Season (Part 1)	27
	The Reason for the Season (Part 2)	28

## **IGNORE THE FOLLOWING**

2024-2025 2023-2024

Date	Title	Page #
8/19/24	Lab Rules	1
8/19/24	Science Diagrams	2
8/20/24	Scientific Drawings (Part 1)	3
8/20/24	Scientific Drawings (Part 2)	4
8/21/24	Chapter 1 Section 1 Guided Notes (Part 1)	5
8/21/24	Chapter 1 Section 1 Guided Notes (Part 2)	6
8/22/24	Skill/Practice Sheet 1.1C: What's Your Hypothesis? (Part 1)	7
8/22/24	Skill/Practice Sheet 1.1C: What's Your Hypothesis? (Part 2)	8
8/22/24	Chapter 1 Section 2 Guided Notes	9
8/23/24	Format for Writing Hypothesis and Conclusion	10
8/22/24	Chapter 1 Section 3 Guided Notes (Part 1)	11
8/22/24	Chapter 1 Section 3 Guided Notes (Part 2)	12
8/22/24	Skill/Practice Sheet 1.2E: Observations vs. Opinions (Part 1)	13

8/22/24	Skill/Practice Sheet 1.2E: Observations vs. Opinions (Part 2)	14
8/26/23	Twinkie Drop (Part 1)	15
8/27/23	Twinkie Drop (Part 2)	16
8/30/24	Liquid Layers Data Sheet	17
9/10/24	Convection Observation	18
9/5/24	Diet vs. Regular (Part 1)	19
9/5/24	Diet vs. Regular (Part 2)	20
9/9/24	Chapter 5 Section 1 Guided Notes (Part 1)	21
9/9/24	Chapter 5 Section 1 Guided Notes (Part 2)	22
9/6/24	How Changing Mass or Volume Affects Density	23
9/12/24	Chapter 5 Section 3 Guided Notes	24
9/18/24	Convection Worksheet A	25
9/18/24	Convection Worksheet B	26
9/18/24	Magma Convection Worksheet	27
9/13/24	Bill Nye "Fluids"	28
9/18/24	Chapter 4 Section 1 Guided Notes (Part 1)	29
9/18/24	Chapter 4 Section 1 Guided Notes (Part 2)	30
9/23/24	Growing Plants Experiment	31
9/23/24	Solar House Experiment Data Sheet	32
9/24/24	The Solar House Experiment	33
9/26/24	Class Conclusion for The Solar House Experiment	34
10/3/24	Earth Systems Deep Dive (Part 1)	35
10/4/24	Earth Systems Deep Dive (Part 2)	36
10/15/24	Chasing the Storm (Part 1)	37
10/15/24	Chasing the Storm (Part 2)	38
10/21/24	Chasing the Storm (Part 3)	39

10/22/24	Chasing the Storm (Part 4)	40
10/23/24	Water Cycle Journey (Part 1)	41
10/24/24	Water Cycle Journey (Part 2)	42
10/30/24	Weather Notebook (Part 1)	43
10/30/24	Weather Notebook (Part 2)	44
10/30/24	Weather Notebook (Part 3)	45
10/30/24	Weather Notebook (Part 4)	46
11/12/24	Bird Migration Experiment (Part 1)	47
11/13/24	Bird Migration Experiment (Part 2)	48
12/3/24	The Reason for the Seasons (Part 1)	49
12/4/24	The Reason for the Seasons (Part 2)	50
12/5/24	Investigation 6A (Part 1)	51
12/6/24	Investigation 6A (Part 2)	52
12/9/24	Bill Nye "Earth's Season" Video	53
1/6/25	Weather and Society	54
12/12/24	Forecast for Omaha	55
12/19/24	The Effect of Landforms on Weather	56
12/17/24	Weather Factors (Part 1)	57
12/18/24	Weather Factors (Part 2)	58
1/7/25	STEMscopedia: Predicting Weather Guided Notes (Part 1)	59
1/7/25	STEMscopedia: Predicting Weather Guided Notes (Part 2)	60
1/7/25	STEMscopedia: Predicting Weather Guided Notes (Part 3)	61
1/9/25	STEMscopedia: Predicting Weather Guided Notes (Part 4)	62
1/9/25	STEMscopedia: Predicting Weather Guided Notes (Part 5)	63
1/9/25	STEMscopedia: Predicting Weather Guided Notes (Part 6)	64
1/14/25	Ocean Currents and Weather Patterns (Part 1)	65

1/15/25	Ocean Currents and Weather Patterns (Part 2)	66
1/16/25	Investigation 6B (Part 1)	67
1/17/25	Investigation 6B (Part 2)	68
1/23/25	World Map of Currents	69
1/23/25	Deep Currents Map	70
1/24/25	Deep Ocean Currents (Part 1)	71
1/24/25	Deep Ocean Currents (Part 2)	72
2/10/25	STEMscopedia: Ocean Currents Guided Notes (Part 1)	73
2/10/25	STEMscopedia: Ocean Currents Guided Notes (Part 2)	74
2/11/25	STEMscopedia: Ocean Currents Guided Notes (Part 3)	75
2/11/25	STEMscopedia: Ocean Currents Guided Notes (Part 4)	76
2/11/25	STEMscopedia: Ocean Currents Guided Notes (Part 5)	77
2/12/25	STEMscopedia: Ocean Currents Guided Notes (Part 6)	78
2/12/25	STEMscopedia: Ocean Currents Guided Notes (Part 7)	79
2/12/25	STEMscopedia: Ocean Currents Guided Notes (Part 8)	80
2/13/25	Influences on Our Weather and Climate (Part 1)	81
2/13/25	Influences on Our Weather and Climate (Part 2)	82
2/13/25	Influences on Our Weather and Climate (Part 3)	83
2/13/25	Influences on Our Weather and Climate (Part 4)	84
	Influences on Our Weather and Climate (Part 5)	85
	Influences on Our Weather and Climate (Part 6)	86
2/28/25	Word Splash	87
2/28/25	Digging into the Text	88
3/3/25	Air Pollution and Human Population	89
3/5/25	Ocean Acidification (Part 1)	90
3/6/25	Ocean Acidification (Part 2)	91

3/6/25	Ocean Acidification (Part 3)	92
3/10/25	STEMscopedia: Human Impact on the Environment Guided Notes (Part 1)	93
3/10/25	STEMscopedia: Human Impact on the Environment Guided Notes (Part 2)	94
3/10/25	STEMscopedia: Human Impact on the Environment Guided Notes (Part 3)	95
3/13/25	STEMscopedia: Human Impact on the Environment Guided Notes (Part 4)	96
3/13/25	STEMscopedia: Human Impact on the Environment Guided Notes (Part 5)	97
3/13/25	Science Today - "Arizona Copper Mine Stirs Debate Pitting Profits vs. Religion"	98
3/11/25	Climate Science (Part 1)	99
3/17/25	Climate Science (Part 2)	100
	Global Climate Change	101
	Reading Science: Ice Cores and Observatories	102
	Chapter 14 Section 1 Guided Notes	103
	Chapter 14 Section 2 Guided Notes (Part 1)	104
	Chapter 14 Section 2 Guided Notes (Part 2)	105
	Chapter 14 Section 2 Guided Notes (Part 3)	106
	Chapter 14 Section 2 Guided Notes (Part 4)	107
	Chapter 14 Section 2 Guided Notes (Part 5)	108
	Chapter 14 Section 2 Guided Notes (Part 6)	109
4/29/25	Chapter 14 Section 3 Guided Notes (Part 1)	110
4/29/25	Chapter 14 Section 3 Guided Notes (Part 2)	111
4/29/25	Chapter 14 Section 3 Guided Notes (Part 3)	112
	Investigation 14A (Part 1)	113
	Investigation 14A (Part 2)	114
	Investigation 14A (Part 3)	115
	Human Impacts Unit Notes	116
	Cupcake Geology	117

	How Does a Plastic Substance Work	118
5/6/25	Chapter 7 Section 1 Guided Notes (Part 1)	119
5/6/25	Chapter 7 Section 1 Guided Notes (Part 2)	120
	Chapter 7 Section 2 Guided Notes	121
	Bill Nye "Earth's Crust"	122
	Chapter 7 Section 3 Guided Notes (Part 1)	123
	Chapter 7 Section 3 Guided Notes (Part 2)	124
	Global Puzzle	125
	Scientific Revolution	126
	Skill/Practice Sheet 3.3B: Bathymetric Maps (Part 1)	127
	Skill/Practice Sheet 3.3B: Bathymetric Maps (Part 2)	128
	A Revolution Revival: Seismology	129
	A Revolution Revival: Deep Sea Drilling Project	130
	A Revolution Revival: Ocean Floor vs. Continent	131
	A Revolution Revival: Ridges	132
	Ocean Floor	133
	Chapter 8 Section 1 Guided Notes	134
	Chapter 8 Section 2 Guided Notes (Part 1)	135
	Chapter 8 Section 2 Guided Notes (Part 2)	136
	Chapter 8 Section 2 Guided Notes (Part 3)	137
	Chapter 8 Section 3 Guided Notes (Part 1)	138
	Chapter 8 Section 3 Guided Notes (Part 2)	139
	Chapter 8 Section 3 Guided Notes (Part 3)	140
	Snack Tectonics (Part 1)	141
	Snack Tectonics (Part 2)	142

## 2023-2024

Date	Title	Page #
8/19/24	Lab Rules	1
8/19/24	Science Diagrams	2
8/20/24	Scientific Drawings (Part 1)	3
8/20/24	Scientific Drawings (Part 2)	4
8/21/24	Chapter 1 Section 1 Guided Notes (Part 1)	5
8/21/24	Chapter 1 Section 1 Guided Notes (Part 2)	6
8/22/24	Skill/Practice Sheet 1.1C: What's Your Hypothesis? (Part 1)	7
8/22/24	Skill/Practice Sheet 1.1C: What's Your Hypothesis? (Part 2)	8
8/22/24	Chapter 1 Section 2 Guided Notes	9
8/23/24	Format for Writing Hypothesis and Conclusion	10
8/22/24	Chapter 1 Section 3 Guided Notes (Part 1)	11
8/22/24	Chapter 1 Section 3 Guided Notes (Part 2)	12
8/22/24	Skill/Practice Sheet 1.2E: Observations vs. Opinions (Part 1)	13
8/22/24	Skill/Practice Sheet 1.2E: Observations vs. Opinions (Part 2)	14
8/28/23	Twinkie Drop (Part 1)	15
8/29/23	Twinkie Drop (Part 2)	16
8/31/23	Investigative Phenomena: Earth, Sun, and Moon System	17
8/31/23	Accessing Prior Knowledge: Earth, Sun, and Moon System	18
9/1/23	Constellations in the Sky	19
9/5/23	Explore: Lunar Cycle (Part 1)	20
9/7/23	Explore: Lunar Cycle (Part 2)	21
9/7/23	Explore: Lunar Cycle (Part 3)	22

9/7/23	Explore: Lunar Cycle (Part 4)	23
9/7/23	Explore: Lunar Cycle (Part 5)	24
9/8/23	Explore: Lunar Cycle (Part 6)	25
9/8/23	Explore: Lunar Cycle (Part 7)	26
9/11/23	The Reason for the Seasons (Part 1)	27
9/12/23	The Reason for the Seasons (Part 2)	28
9/13/23	Investigation 6A (Part 1)	29
9/14/23	Investigation 6A (Part 2)	30
9/15/23	Explore: Seasonal Tilt and Whirl (Part 1)	31
9/15/23	Explore: Seasonal Tilt and Whirl (Part 2)	32
9/15/23	Explore: Seasonal Tilt and Whirl (Part 3)	33
9/19/23	Explore: Eclipses (Part 1)	34
9/19/23	Explore: Eclipses (Part 2)	35
9/20/23	Explore: Eclipses (Part 3)	36
9/18/23	Bill Nye "Moon"	37
9/18/23	Bill Nye "Earth's Seasons"	38
9/21/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 1)	39
9/21/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 2)	40
9/21/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 3)	41
9/21/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 4)	42
9/26/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 5)	43
9/26/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 6)	44
9/26/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 7)	45
9/26/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 8)	46
9/26/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 9)	47
9/26/23	STEMscopedia: Earth, Sun, and Moon System Guided Notes (Part 10)	48

- / /		
9/27/23	Explore: Cycles of the Earth, Sun, and Moon (Part 1)	49
9/28/23	Explore: Cycles of the Earth, Sun, and Moon (Part 2)	50
10/2/23	Growing Plants Experiment	51
10/5/23	Solar House Experiment Data Sheet	52
10/6/23	The Solar House Experiment	53
10/9/23	Class Conclusion for The Solar House Experiment	54
10/10/23	Explore: Big Bang Play	55
10/11/23	Explore: To the Milky Way and Beyond! (Part 1)	56
10/12/23	Explore: To the Milky Way and Beyond! (Part 2)	57
10/12/23	Explore: To the Milky Way and Beyond! (Part 3)	58
10/13/23	STEMscopedia: Formation and Motion of Galaxies Guided Notes (Part 1)	59
10/13/23	STEMscopedia: Formation and Motion of Galaxies Guided Notes (Part 2)	60
10/13/23	STEMscopedia: Formation and Motion of Galaxies Guided Notes (Part 3)	61
10/13/23	STEMscopedia: Formation and Motion of Galaxies Guided Notes (Part 4)	62
10/16/23	STEMscopedia: Formation and Motion of Galaxies Guided Notes (Part 5)	63
10/16/23	STEMscopedia: Formation and Motion of Galaxies Guided Notes (Part 6)	64
10/17/23	Bill Nye "Gravity"	65
10/17/23	Bill Nye "Spinning Things"	66
10/23/23	Hook: Bella Luna	67
10/24/23	Explore: Our Solar System (Part 1)	68
10/25/23	Explore: Our Solar System (Part 2)	69
10/27/23	Investigating Gravity and Orbits (Part 1)	70
10/30/23	Investigating Gravity and Orbits (Part 2)	71
11/1/23	Investigating Gravity and Orbits (Part 3)	72
11/2/23	STEMscopedia: The Solar System Guided Notes (Part 1)	73
11/2/23	STEMscopedia: The Solar System Guided Notes (Part 2)	74

11/2/23	STEMscopedia: The Solar System Guided Notes (Part 3)	75
11/7/23	STEMscopedia: The Solar System Guided Notes (Part 4)	76
11/7/23	STEMscopedia: The Solar System Guided Notes (Part 5)	77
11/7/23	STEMscopedia: The Solar System Guided Notes (Part 6)	78
11/7/23	STEMscopedia: The Solar System Guided Notes (Part 7)	79
11/8/23	STEMscopedia: The Solar System Guided Notes (Part 8)	80
11/8/23	STEMscopedia: The Solar System Guided Notes (Part 9)	81
11/8/23	STEMscopedia: The Solar System Guided Notes (Part 10)	82
11/6/23	Explore: Planets — Giants and Dwarfs (Part 1)	83
11/6/23	Explore: Planets — Giants and Dwarfs (Part 2)	84
11/9/23	Bill Nye "Outer Space"	85
11/9/23	Bill Nye "Sun"	86
11/13/23	Bill Nye "Planets"	87
11/13/23	Bill Nye "Comets and Meteors"	88
11/14/23	Accessing Prior Knowledge: Geologic History of Earth	89
11/14/23	Hook: Solving a Mystery	90
11/15/23	Explore: The Geologic Time Scale	91
12/4/23	Explore: Index Fossils	92
11/29/23	Explore: Law of Superposition (Part 1)	93
11/30/23	Explore: Law of Superposition (Part 2)	94
12/1/23	Stratigraphic Profile	95
12/11/23	Bill Nye "Fossil"	96
12/6/23	STEMscopedia: Geologic History of Earth Guided Notes (Part 1)	97
12/6/23	STEMscopedia: Geologic History of Earth Guided Notes (Part 2)	98
12/6/23	STEMscopedia: Geologic History of Earth Guided Notes (Part 3)	99
12/7/23	STEMscopedia: Geologic History of Earth Guided Notes (Part 4)	100

12/7/23	STEMscopedia: Geologic History of Earth Guided Notes (Part 5)	101
12/7/23	STEMscopedia: Geologic History of Earth Guided Notes (Part 6)	102
12/13/23	Liquid Layers	103
12/19/23	Be a Cupcake Geologist	104
12/14/23	Density Notes (Part 1)	105
12/20/23	Density Notes (Part 2)	106
12/14/23	Diet or Regular? (Part 1)	107
12/18/23	Diet or Regular? (Part 2)	108
1/19/24	Chapter 5 Section 1 Guided Notes (Part 1)	109
1/19/24	Chapter 5 Section 1 Guided Notes (Part 2)	110
1/22/24	Convection Observations	111
1/23/24	Chapter 5 Section 3 Guided Notes	112
1/25/24	Convection Worksheet A	113
1/25/24	Convection Worksheet B	114
1/25/24	Magma Convection Worksheet	115
1/24/24	Bill Nye "Fluids"	116
1/25/24	Chapter 7 Section 1 Guided Notes (Part 1)	117
1/25/24	Chapter 7 Section 1 Guided Notes (Part 2)	118
1/29/24	How Does a Plastic Substance Work?	119
2/1/24	Bill Nye "Earth's Crust"	120
1/30/24	Puzzling Scenarios	121
1/30/24	Chapter 7 Section 2 Guided Notes	122
1/31/24	Chapter 7 Section 3 Guided Notes (Part 1)	123
1/31/24	Chapter 7 Section 3 Guided Notes (Part 1)	124
2/2/24	Trilobite Mystery (Part 1)	125
2/2/24	Trilobite Mystery (Part 2)	126

2/5/24	Global Puzzle	127
2/6/24	Super Evidence (Part 1)	128
	Super Evidence (Part 2)	129
	Super Evidence (Part 3)	130
	Scientific Revolution	131
	Accessing Prior Knowledge: Ocean Floor	132
	Skill/Practice Sheet 3.3C: Bathymetric Map (Part 1)	133
	Skill/Practice Sheet 3.3C: Bathymetric Map (Part 2)	134
3/20/24	A Revolution Revival: Seismology	135
3/20/24	A Revolution Revival: Deep Sea Drilling Project	136
3/20/24	A Revolution Revival: Ocean Floor vs. Continent	137
3/20/24	A Revolution Revival: Ridges	138
	Conclusion: How Has Earth Changed Over Time?	139
	Class Conclusion: How Has Earth Changed Over Time?	140
	Investigation 7B	141
	Chapter 8 Section 1 Guided Notes	142
	Chapter 8 Section 2 Guided Notes (Part 1)	143
	Chapter 8 Section 2 Guided Notes (Part 2)	144
	Chapter 8 Section 2 Guided Notes (Part 3)	145
	Chapter 8 Section 3 Guided Notes (Part 1)	146
	Chapter 8 Section 3 Guided Notes (Part 2)	147
	Chapter 8 Section 3 Guided Notes (Part 3)	148
		149
		150
		151
		152

	153