3rd Six Weeks

Week 1

Topic 2 Experience 3:Newton's First Law of Motion

	<u>Monday A</u>	<u>Tuesday</u>	<u>Wednesday B</u>	<u>Thursday A</u>	<u>Friday B</u>
TEKS/ SE	7.7D Analyze the effect of balanced and unbalanced forces on the state of motion of an object using Newton's First Law of Motion.	LAN TEACHERS OFF	7.7D Analyze the effect of balanced and unbalanced forces on the state of motion of an object using Newton's First Law of Motion.	7.7D Analyze the effect of balan on the state of motion of an obje Law of Motion.	ced and unbalanced forces ect using Newton's First
SEP	 7.1B Use scientific practices to plan and conduct descriptive, comparative, and experimental investigations and use engineering practices to design solutions to problems. 7.3A Develop explanations and propose solutions supported by data and models consistent with scientific ideas, principles, and theories Also: 7.1A, 7.3B, 7.1G 		 7.1B Use scientific practices to plan and conduct descriptive, comparative, and experimental investigations and use engineering practices to design solutions to problems. 7.3A Develop explanations and propose solutions supported by data and models consistent with scientific ideas, principles, and theories Also: 7.1A, 7.3B, 7.1G 	 7.1B Use scientific practices to please of the scriptive, comparative, and examples and use engineering practices to problems. 7.3A Develop explanations and supported by data and models of ideas, principles, and theories Also: 7.1A, 7.3B, 7.1G 	plan and conduct perimental investigations o design solutions to propose solutions consistent with scientific
RTC	 7.5B Identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems 7.5G Analyze and explain how factors or conditions impact stability and change in objects, organisms, and systems. 		 7.5B Identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems 7.5G Analyze and explain how factors or conditions impact stability and change in objects, organisms, and systems. 	 7.5B Identify and investigate can to explain scientific phenomena 7.5G Analyze and explain how f stability and change in objects, or 	use-and-effect relationships or analyze problems actors or conditions impact organisms, and systems.
Lesson Objective Students will be able to	Students will investigate the effects of balanced and unbalanced forces on an object's state of motion and use Newton's first law of motion to analyze these effects.		Students will investigate the effects of balanced and unbalanced forces on an object's state of motion and use Newton's first law of motion to analyze these effects.	Students will investigate the effe unbalanced forces on an object' Newton's first law of motion to a	ects of balanced and s state of motion and use nalyze these effects.
Lesson Component	Explain: KEY IDEAS VIDEO Teacher Guide, p. 79		Explain: KEY IDEAS VIDEO Teacher Guide, p. 79	Elaborate: LEGENDS OF LEARNING Teacher Guide, p. 82	

READ ABOUT IT	READ ABOUT IT	Evaluate:
Student Activity Companion,	Student Activity Companion,	
рр. 100-103	рр. 100-103	EXPERIENCE REVIEW
Teacher Guide, p. 80	Teacher Guide, p. 80	Student Activity Companion, p.107
		Teacher Guide, p. 83
KEY IDEAS PRESENTATION	KEY IDEAS PRESENTATION &	
& TAKE NOTES	TAKE NOTES	QUIZ
Student Activity Companion,	Student Activity Companion,	Teacher Guide, p. 83
рр. 104-105	рр. 104-105	
Teacher Guide, p. 80-81	Teacher Guide, p. 80-81	
REVISIT EVERYDAY	REVISIT EVERYDAY	
PHENOMENON	PHENOMENON	
Teacher Guide, p. 81	Teacher Guide, p. 81	
EXIT TICKET	EXIT TICKET	
Teacher Guide, p. 81	Teacher Guide, p. 81	

Date: No	ovember 11-15	11-15 3rd Six Weeks W Topic 2 Experience 3:Newton's First Law of Mation/Topic 3 Experience 1: Thermal Energy				
	Monday A	Tuesday B	Wednesday A	Thursday B	Friday A	

	<u>Monday A</u>	<u>I uccuuj D</u>	<u> Medneoddy A</u>	<u>Indiodaly B</u>	<u>I nady A</u>
TEKS/ SE	Review/Reteach Experience Topic 2 Experience 3		7.8C Explain the relationship between temperature and the kinetic energy of the molecules within a substance.		7.8C Explain the relationship between temperature and the kinetic energy of the molecules within a substance.
SEP			7.3A Develop explanations an supported by data and model scientific ideas, principles, an Also: 7.1E, 7.1G	nd propose solutions s and consistent with d theories.	 7.3A Develop explanations and propose solutions supported by data and models and consistent with scientific ideas, principles, and theories. Also: 7.1E, 7.1G
RTC			7.5E Analyze and explain how matter cycles through system matter are conserved through Also: 7.5B, 7.5G	v energy flows and s and how energy and a variety of systems.	 7.5E Analyze and explain how energy flows and matter cycles through systems and how energy and matter are conserved through a variety of systems. Also: 7.5B, 7.5G

Lesson	Students will use models to analyze and develop	Students will use models to analyze and develop
Objective	explanations about the relationship between	explanations about the relationship between
Students will	temperature and the kinetic energy of the molecules	temperature and the kinetic energy of the
be able to	within a substance.	molecules within a substance.
Lesson Component	Engage EVERYDAY PHENOMENON DEMO Teacher Guide, p. 94 EVERYDAY PHENOMENON ACTIVITY Student Activity Companion, p. 114 Teacher Guide, p. 94 Explore HANDS-ON LAB & VIDEO Open- Inquiry Version: Student Activity Companion, pp. 116-119 Guided- Inquiry Version: Realize Teacher Guide p. 95 EXIT TICKET Teacher Guide, p. 96	Explain: KEY IDEAS VIDEO Teacher Guide, p. 97 READ ABOUT IT Student Activity Companion, pp. 122-125 Teacher Guide, p. 98 KEY IDEAS PRESENTATION & TAKE NOTES Student Activity Companion, pp. 126-127 Teacher Guide, p. 98-99 REVISIT EVERYDAY PHENOMENON Teacher Guide, p. 99 EXIT TICKET Teacher Guide, p. 99

3rd Six Weeks

Date: November 18-22

Week 3

Topic 3 Experience 1: Thermal Energy

Thursday A Monday B Tuesday A Wednesday B Friday B 7.8C Explain the relationship **7.8C** Explain the relationship between TEKS/ **Reteach Topic 3 Experience 1** between temperature and the temperature and the kinetic energy of the SE kinetic energy of the molecules molecules within a substance. within a substance. SEP 7.3A Develop explanations and **7.3A** Develop explanations and propose propose solutions supported by solutions supported by data and models and data and models and consistent

	with scientific ideas, principles,	consistent with scientific ideas, principles, and	
	and theories.	theories.	
	Also: 7.1E, 7.1G	Also: 7.1E, 7.1G	
RTC	7.5E Analyze and explain how	7.5E Analyze and explain how energy flows	
	energy flows and matter cycles	and matter cycles through systems and how	
	through systems and how	energy and matter are conserved through a	
	energy and matter are	variety of systems.	
	conserved through a variety of	Also: 7.5B, 7.5G	
	systems.		
	Also: 7.5B, 7.5G		
Lesson	Students will use models to	Students will use models to analyze and	
Objective	analyze and develop	develop explanations about the relationship	
Students will	explanations about the	between temperature and the kinetic energy of	
he able to	relationship between	the molecules within a substance.	
	temperature and the kinetic		
	energy of the molecules within a		
	substance.		
Lesson Component	Explain: KEY IDEAS VIDEO Teacher Guide, p. 97 READ ABOUT IT Student Activity Companion, pp. 122-125 Teacher Guide, p. 98 KEY IDEAS PRESENTATION & TAKE NOTES Student Activity Companion, pp. 126-127 Teacher Guide, p. 98-99 REVISIT EVERYDAY PHENOMENON Teacher Guide, p. 99 EXIT TICKET Teacher Guide, p. 99	Explore PhET ACTIVITY Teacher Guide, p. 96 Evaluate EXPERIENCE REVIEW Student Activity Companion, p. 129 Teacher Guide, p. 291 QUIZ Teacher Guide, p. 101 REVISIT THE ANCHORING PHENOMENON Student Activity Companion, pp. 110-111 Teacher Guide, p. 101	

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
TEKS/		THANKSGIVIN	G BREAK/NO SCHOOL		
SE					
SEP					
RTC					
Lesson					
Objective					
Students will					
be able to					
Lesson					
Component					

3rd Six Weeks					
Date: Decem	nber 2-6	Topic 3 Experience	ce 2: Thermal Energy	Week 4	
	<u>Monday A</u>	<u>Tuesday B</u>	<u>Wednesday A</u>	<u>Thursday B</u>	<u>Friday A</u>
TEKS/	FLEX		7.8A Investigate metho	ods of thermal energy	7.8A Investigate methods of thermal
SE				systems, including	energy transfer into and out of systems,
			conduction, convection, and radiation. Also:		including conduction, convection, and
			7.8B, 7.8C		
SEP			7.1G Develop and use	models to represent	7.1G Develop and use models to
			phenomena, systems,	processes, or solutions	represent phenomena, systems,
			to engineering problems. Also: 7.3A		processes, or solutions to engineering
					problems. Also: 7.3A
RTC			7.5E Analyze and expla	ain how energy flows and	7.5E Analyze and explain how energy
			matter cycles through s	systems and how energy	flows and matter cycles through systems

	and matter are conserved through a variety of	and how energy and matter are conserved
	systems. Also: 7.5D	through a variety of systems. Also: 7.5D
Lesson	Students will use models to analyze and	Students will use models to analyze
Objective	explain how thermal energy moves into,	and explain how thermal energy
Students will	out of, and within systems through	moves into, out of, and within systems
he able to	conduction, convection, and radiation.	through conduction, convection, and
		radiation.
Lesson Component	Engage EVERYDAY PHENOMENON PHOTO Teacher Guide, p. 104	Explain KEY IDEAS VIDEO
		Teacher Guide, p. 107
	EVERYDAY PHENOMENON ACTIVITY Student Activity Companion, p. 131 Teacher Guide, p. 104 HANDS-ON LAB & VIDEO	READ ABOUT IT Student Activity Companion, pp. 140-143 Teacher Guide, p. 108
	Open- Inquiry Version: Student Activity Companion, pp. 132-138 Guided- Inquiry Version: Realize Teacher Guide p. 105	KEY IDEAS PRESENTATION & TAKE NOTES Student Activity Companion, pp. 144-145 Teacher Guide, p. 108-109
	Teacher Guide, p. 104	REVISIT EVERYDAY PHENOMENON
		Teacher Guide, p. 109
		EXIT TICKET Teacher Guide, p. 109

Date: December 9-13

	<u>Monday B</u>	<u>Tuesday A</u>	<u>Wednesday B</u>	<u>Thursday A</u>	Friday B
TEKS/ SE	FLEX	ELAR WINTER SHUTDOWN	MATH WINTER SHUTDOWN	Scie	ence CA#3
SEP					
RTC					
Lesson					
Objective					
Students will					
be able to					
Lesson					
Component					

Date: December 16-20

Week 6

3rd Six Weeks

	<u>Monday A</u>	<u>Tuesday B</u>	Wednesday A	<u>Thursday B</u>	<u>Friday B</u>
TEKS/ SE	FLI	EX	FLEX		LAN TEACHERS OFF
SEP					
RTC					
Lesson					
Objective					
Students will					
be able to					
Lesson					
Component					