

5th Grade Scope and Sequence

INTRODUCTION TO ELECTRICITY			
Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Buiding a Circuit Lab	SC.5.P.10.4	Lesson Plan: Building a Simple Circuit
2	Related Web Reources:		https://www.youtube.com/watch?v=HOFp8bHTN30
			https://www.youtube.com/watch?v=dVgDcYhZUaA
			https://www.youtube.com/watch?v=js7Q-r7G9ug

FORMS OF ENERGY			
Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Class Write Around	LAFS.5.RI.2.4	Lesson Plan: Class Write Around PowerPoint
2	Scavenger Webquest	SC.5. P.10.1/LAFS.5.RI.3.7	Lesson Plan: Forms of Energy Webquest
3	Vocabulary Charge	LAFS.5.RI.2.4	Lesson Plan: Vocabulary Charge Game and Cards
4	Math Mania	MAFS.5.NBT.2.5	Lesson Plan Section: "Math Mania"

UNDERSTANDING CHARGES			
Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Classroom Carousel Discussion	LAFS.5.SL.1.1	Lesson Plan: Classroom Carousel Discussion
2	Static Electricity Lesson	SC.5.P.10.3	Lesson Plan: Exploring Electrical Forces Lab
			Lesson Plan: Balloons and Static Electricity Lab
			Lesson Plan: Separating Salt & Pepper with Static Electricity
4	Testing for Conductivity with Different Conductors and Insulators	SC.5.P.11.2	Lesson Plan: Testing for Conductivity with Different Conductors and Insulators
4	Math Mania	MAFS.5.NBT.2.7	Lesson Plan Section: "Math Mania"
5	Related Web Reources:		http://thekidshouldseethis.com/post/the-science-of-static-electricity-ted-ed
			https://www.dkfindout.com/us/science/electricity/conductors-and-insulators/
			http://www.physics-chemistry-interactive-flash-animation.com/electricity_electromagnetism_interactive/electric_conductors_insulators.htm

ELECTRICAL CIRCUITS AND ENERGY TRANSFORMATIONS			
Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Intro to Energy Transformations	SC.P.5.10.4/SC.P.11.1	Energy Transfers and Transformations Animation Video
2	Energy Transformation Worksheet	SC.P.5.10.4 SC.5.P.11.1	Lesson Plan: Electrical Circuits and Transformations
			Lesson Plan: Energy Transformations
			Energy Transformation Worksheet - ANSWER KEY
3	Glow Stick Lab	SC.5.P.11.1	Lesson Plan: Chemical Energy - Glow Stick Lab
			PDF: Chemical Energy - Glow Stick Lab - What Happened?
4	Math Mania	MAFS.5.NBT.2.7	Lesson Plan Section: "Math Mania"
5	Related Web Resources:		https://www.youtube.com/watch?v=9qvZ-LfKPBO
			https://seureservercdn.net/198.71.190.232/phc.41b.myftpupload.com/wp-content/uploads/2019/06/NEED-Glow-Stick-Lab.pdf

FORCE AND MOTION OF AN OBJECT			
Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Science Vocabulary Map	LAFS.5.RI.2.4	Lesson Plan: Science Vocabulary Maps
			Vocabulary Map Printout
2	Tug of War Activity	SC.5.P.13.1	Lesson Plan: Tug of War Activity
			Tug of War Activity Printout
3	Balloon Rockets	SC.5.P.13.1	Lesson Plan: Ballon Rockets
			Balloon Rockets Lab Sheet Printout
4	Math Mania	MAFS.5.NBT.2.7	Lesson Plan Section: "Math Mania"