

4th Grade Scope and Sequence

INTRODUCTION TO ELECTRICITY

Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Building a Circuit Lab	SC.4.P.10.1	Lesson Plan: Building a Simple Circuit
2	Related Web Resources:		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	Sound Waves	SC.4.P.10.1	Lesson Plan: Sound Waves
2	Light Energy	SC.4.P.10.1	Lesson Plan: Light Energy
3	Compare & Contrast Activity	SC.4.P.10.1	Link to Compare & Contrast Worksheet
4	Ramp It Up!	SC.4.P.10.1 LAFS.4.L.3.4 MAFS.K12.MP.1	Lesson Plan: Ramp It Up
5	Math Mania	MAFS.4.NF.1.2	Lesson Plan Section: "Math Mania"
6	Vocabulary Bingo	LAFS.4.L.3.4	Link to Energy Bingo
7	Related Web Resources:		https://www.youtube.com/watch?v=3UeZi217HM0 https://www.youtube.com/watch?v=ASZv3tIK56k

ENERGY: POTENTIAL AND KINETIC

Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Vocabulary Bingo	LAFS.4.L.3.4	Link to Energy Bingo
2	Compare & Contrast	SC.4.P.10.1	Link to Compare & Contrast Worksheet
3	Vroom, Vroom!	SC.4.P.10.2	Lesson Plan: Vroom Vroom
4	SODA POP!	SC.4.P.10.3	Lesson Plan: SODA POP!
5	Math Mania	MAFS.K12.MP.5.1 MAFS.4.NBT.2.4	Lesson Plan Section: "Math Mania"
6	Related Web Resources:		https://www.youtube.com/watch?v=E_gs_Z89pKq https://www.youtube.com/watch?v=NYVMlmL0BPQ

SOUND ENERGY

Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Vocabulary Bingo	LAFS.4.L.3.4	Link to Energy Bingo
2	Can You Hear It?	SC.4.P.10.3	Lesson Plan: Can You Hear It Link to Can You Hear It Observations Chart
3	Compare & Contrast	SC.4.P.10.1	Link to Compare & Contrast Worksheet
4	Math Mania	MAFS.4.NF.3.6	Lesson Plan Section: "Math Mania"
5	Related Web Resources:		https://www.youtube.com/watch?v=3-xKZKxXuu0 https://www.youtube.com/watch?v=0D2AWJJ5U2q&feature=youtu.be

HYDROPOWER AND WIND ENERGY

Instructional Sequence	Activity Title	Benchmarks Addressed	Instructional Resources
1	Milk Carton Water Wheel	SC.4.P.10.4	Lesson Plan: Milk Carton Water Wheel
2	Motor Boat	SC.4.P.10.4	Lesson Plan: Motor Boat
3	Compare & Contrast	SC.4.P.10.1	Link to Compare & Contrast Worksheet
4	Vocabulary Bingo	LAFS.4.L.3.4	Link to Energy Bingo
5	Math Mania	MAFS.4.NF.3.6	Lesson Plan Section: "Math Mania"
6	Related Web Resources:		https://www.need.org/wp-content/uploads/2019/10/WindAtAGlance_11x17.pdf https://easyscienceforkids.com/best-wind-energy-video-for-kids/ http://www.cpalms.org/Public/PreviewStandard/Preview/1683