

Monroe 2 Orleans BOCES Elementary Science Program

Electrical Circuits Unit – Grade 4

New York State P – 12 Common Core Learning Standards ELA and Mathematics, Grade 4

This correlation indicates the activity number and name from the Teacher’s Guide, the abbreviated name of the standard and the corresponding number based on the New York State *Common Core Learning Standards in English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects* and New York State *Common Core Learning Standards in Mathematics*.

Activity 1, Getting Started	ELA: SL-1, SL-2, W-2B, 2-2D, W-4
Activity 2, Safety	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2 SL-3, SL-4, RI-1, 2, 3, 4, 5, 7, RF-3, 4
Activity 3, Light the Bulb.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4 Math: MD.4
Activity 4, The Bulb.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 5, The Battery.....	ELA: RI-1, RI-2, RI-4, RI-5, RI-7, RF-3, RF-4, SL-1, SL-2, SL-3, SL-4
Activity 6, Battery Holders, Bulb Holders & Switches..	ELA: RI-1, RI-2, RI-4, RI-5, RI-7, RF-3, RF-4, SL-1, SL-2, SL-3 Math: MD.4
Activity 7, Polarity.....	ELA: RI-1, RI-2, RI-4, RI-5, RI-7, RF-3, RF-4, SL-1, SL-2, SL-3, W-1, W-2a, W-2c, W-2d, W-4
Activity 8, Wiring Diagram.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 9, Hidden Circuits	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4

Activity 10, Series Circuits.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 11, Parallel Circuits.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 12, Testing Solids.....	ELA: RI-1, RI-2, RI-4, RI-5, RI-7, RF-3, RF-4, SL-1, SL-2, SL-3, SL-4
Activity 13, Testing Liquids.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 14, Resistance.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 15, Model Heater.....	ELA: RI-1, RI-2, RI-3, RI-4, RI-5, RI-7, RF-3, RF-4, W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 16, Comparing Filaments.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 17, Short Circuits.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 18, Making a Fuse.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4
Activity 19, Engineering Design Challenge.....	ELA: W-1a, W-1b, W-2d, W-8, SL-1, SL-2, SL-3, SL-4