

RPSEC Traveling Nuclear Science Demonstration Kits		
Name	Description	Barcode
Geiger Counter – Muller	Kit contains 7 geiger counters	2930
Geiger Counter – Muller	Kit contains 7 geiger counters	2931
Geiger Counter – Ludlum Model 2200	Kit contains 4 geiger counters	2928
Geiger Counter Portable Count Rate	Kit contains 5 counters	2929
Gel Electrophoresis Kits	Learn how a charged particle moves in an electric field	1464
Isotopic Discovery Kit	Hands on activities focused on isotopes and their relationship to the "Line of Stability."	3281
Periodic Table of Elements	Poster with picture of each element	1792
Radioactivity and Half Life	Learn that everything is made of atoms, that electricity is made and radiation is all around and it can be measured.	1131
Rutherford Atomic Scattering Kit	Determine the shape of an unknown object by using scientific thought process of creating a hypothesis, then testing it through inference. It is based upon the experiment where scientists discovered the structure of the atom.	3286
RPSEC Traveling Science Demonstration Kits Related to Energy & Electricity		
Circuit Board Demonstrator Kit	Learn about the variety of circuits. Conduct a 3-way bulb study to observe the flow of electricity.	1373
Electric Circuits Kit II	Learn how positive and negative charges interact. Learn about circuits and how they work with electricity.	1265
Electricity		2948
Electricity Lab Kit	Hands on experimenting with electricity using batteries, bulbs, wires, balloons and other objects.	1133
Electricity Measurer Package		2210
FOSS: Magnetism and Electricity Module (grades 3 & 4)	Four activities to explore permanent magnetism, simple electric current, and electromagnetism	2371
FOSS: Solar Energy Module	Four activities to introduce passive solar energy. They will make solar water heaters.	2357
Magnetism and Electricity Kit	Learn what causes magnets to attract and repel. Learn what they are used for in electricity.	1389
Magnetism/Electric Models Kit	Learn how to measure the strength of a magnet and the relationship between electric current and magnetism. Learn the function of an electromagnet in a motor.	1262
Power Generation Fundamentals	Discusses Base Load, Intermediate Load, and Peak Load.	3288
Static Electricity and Van de Graaf Generator	Demonstrate static electricity.	1134
STC: Electric Circuits Kit (grade 4)	Learn the properties of electricity, conductors & insulators. Students apply knowledge by wiring a cardboard house.	1211, 2266, & 3111
Student Battery Testers	Students build a tool that can be used in experiments and explore concepts of current and voltage.	1357

Note: Kits are available to teachers from all areas who are willing to come to the RPSEC to pick them up and return them. You can check the RPSEC website for additional kits you may be interested in using in your classroom. <http://rpsec.usca.edu/travelingscience/>