Unit 8: Interactions

Lesson Plan

Disciplinary Core Idea:	Forces and Interactions
NGSS:	• ***MS-PS2-3*** Ask questions about data to determine the factors that affect the strength of electric and magnetic forces. • ***MS-PS2-5*** Conduct an investigation and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.
Lesson Title:	Electrical Charge
Lesson Number:	8-1
Learning objectives:	• Review the structure of the atom and relate it to how objects can become charged. • Distinguish between static and current electricity.
"I can" statements:	• I can draw the structure of the atom and use it to explain how objects become charged. • I can differentiate between static and current electricity.
Prior Knowledge: Structure of the atom	
Vocabulary: Anion, Atom, Cation, Conductor, Current electricity, Electron, Insulator, Neutron, Proton, Static electricity	
Summary of Activities: 1. Distribute and complete bell ringer activity. 2. Discuss guided notes and slideshow, with students. 3. Vocabulary worksheet, 4. Exit quiz	
Additional Resources: • See online activities • Lab Activity	
Homework: Homework task	
Assessment: • Bell work • Assignment • Exit quiz • End of unit review	