



Lesson Logistics

Learning Outcomes

Grades 7-9	Grades 10-12
Heat	Fields
Optics	
Characteristics of Electricity	

Class Organization

Ask the students to sit in a manner that offers a clear view of the generator.

Notes

Although Van de Graaff generators produce extremely high voltages, they are safe to touch because they produce only a small current. However, a shock from a Van de Graaff generator can catch students off guard. Try to minimize unexpected shocks.

Further Exploration

Electric Fields

How do other objects behave in the electric field? Give students a filament light bulb, a piece of cloth, a piece of fake fur, muffin paper liners (non-metallic) and any other desired objects.

Flying Saucers

Ask the students to make "flying saucers" out of aluminum foil. What saucer shape works best? What is the maximum amount of foil that can be used?