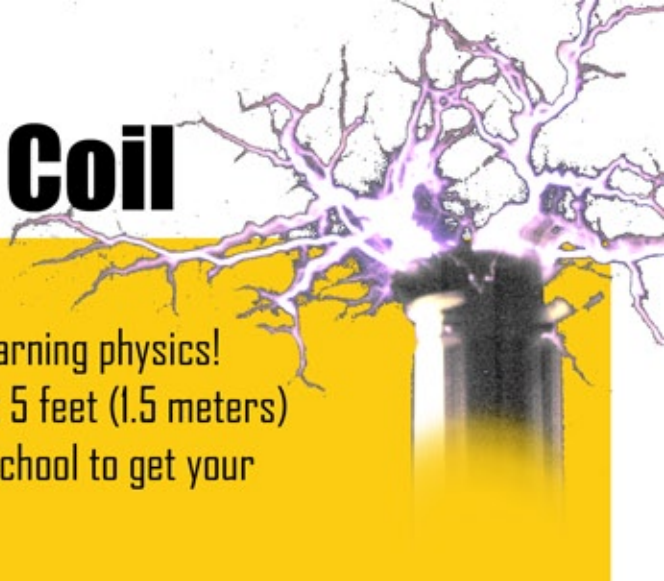




# The Tesla Coil



The Santa Cruz Institute for Particle Physics (SCIPP) outreach program gets students "electrified" about learning physics! Our Tesla Coil generates dazzling electrical arcs about 5 feet (1.5 meters) in length. Request a Tesla Coil demonstration at your school to get your students "charged up" about physics.



UCSC Tesla Coil outreach program has a Model S-5 Tesla Coil system that is a high efficiency Tesla Coil. It takes the output from a 120vAC to a several kilovolt transformer and driver circuit and steps it up to an extremely high voltage. Voltages can get to be well above 1,000,000 volts and are discharged in the form of electrical arcs greater than 5 feet (1.5 meters) in length.

Demonstrations allow students to "see" electricity in action. Safety is paramount; the explanation of safe practices is a large part of the demonstration.

The audience is guided through the demonstration via commentary by UCSC scientists and a powerpoint presentation.



For more information on the Tesla Coil and how to host a demonstration at your school visit:

<http://scipp.ucsc.edu/outreach/>  
Contact: [outreach@scipp.ucsc.edu](mailto:outreach@scipp.ucsc.edu) / (831) 459-4499



Audience participation includes teachers wearing the "spacesuit" and being zapped by electricity- students love this!

