

Magnetics & Electrostatics (Cubs)

John Leahy Feb.'06
(H) 45721549 (W) 84673592

<u>Time</u>		<u>Period (Mins)</u>
7:00	<i>Outline</i> what we will be showing to-night	5
	<i>Group one</i>	
7:05	Electrostatics - Electroscope - like charge repels - Rod & Can rolls <i>Activity</i> - all try - Electrophorus lights Neon <i>Activity</i> - all try	15
7:20	Electrostatic Generators - Van De Graaff generator	10
	<i>Group two</i>	
7:30	Drop Super Magnet through Aluminium channel Magnetic Rings and Rollers. <i>Activity</i> - all try Drop Magnet through wire Coil Floating Ring Magnets Magnetic Darts	10
7:40	Make Electrostatic plate with neon indicator <i>Activity</i> -each do	15
	<i>Group Three</i>	
7:55	Fields around magnets. <i>Demo</i> – iron filings on paper Magnets act through paper, foil, glass, cloth.	10
8:05	Magnetic Field around Current carrying wire	
8:15	Shake Torch <i>Activity</i> - all try Simple Motor	10
	Lemon battery driving LCD Clock	5
8:20	Closing Parade - Electrocute all with Hand Generator	10
	[Spare Activity: Circuits - wire up cells, switches, lights & motor	10]