Engineer

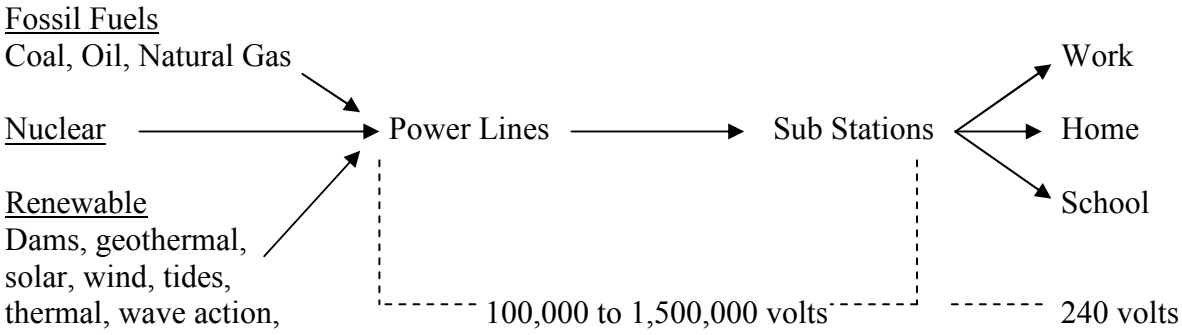
Technology Group

<u>Requirement #8 - Build a catapult and show how it works</u>

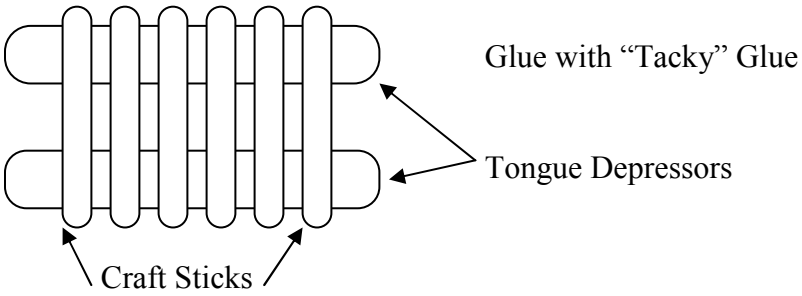
Catapult – A mechanical device used to throw an object. USE YOUR IMAGINATION!
Use popsicle sticks, paint stir sticks, mouse traps, RAT traps, rubber bands, inner tubes, the list is ENDLESS. Google "table top catapult plans" for more than 259,000 results!

<u>Requirement #4: How Electricity Gets to Your Home</u>

Generation ---------- Transmission ---------- Use



<u>Requirement #6 - Build a simple Bridg</u>e – Beam Bridge



<u>Requirement #4 - Visit a civil engineer or surveyor to learn how to measure the length of a property line. Explain how property lines are determined.</u>

First-have the boys measure the property line on your house. Den Leader: Prepare you home by putting 16-penny nails in your yard next to your sidewalk designating your property lines. Divide the Webelos into two groups and have each group measure the distance between the nails from opposite ends. Give each group a length of string about 30 feet long. Have each group use a smaller measuring tape or ruler plus a permanent marker to mark off one foot increments on the string. Each group can then use the string to measure your property lone in between the 16-penny nails. Compare the two groups' measurements and work out the discrepancies together. Learn as a den!