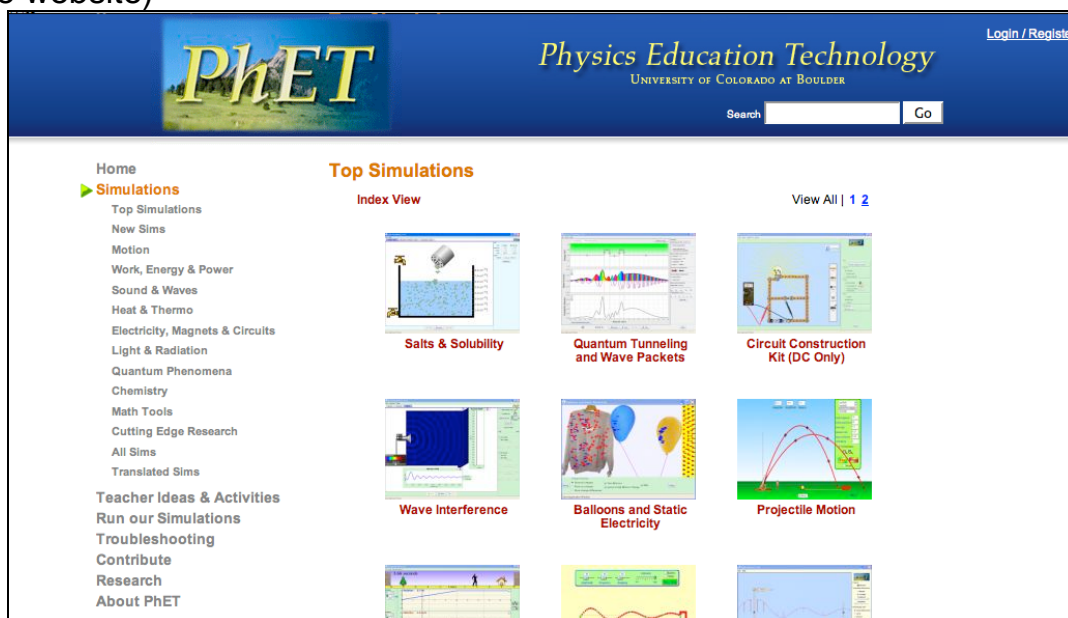




## Station 1B: Virtual Electrical Circuits

**For the following investigations you will use the PhET simulations at the University of Colorado Website:**

<http://phet.colorado.edu/new/simulations/>

(You can also Google: “PhET” and click on “PhET simulations” to access the website)

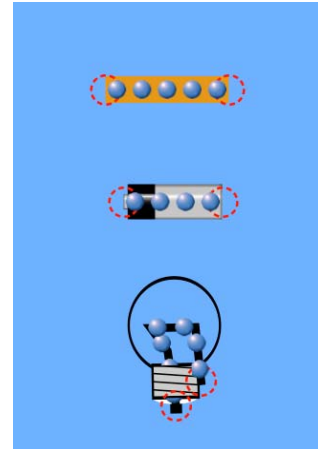


<p>1. Click on Circuit Kit Construction Icon.</p> <p>Then click on the button:</p> <div style="background-color: green; color: white; text-align: center; padding: 5px; width: fit-content; margin: 10px auto;"><b>Run Now!</b></div>	
<p>2. You should get a blank template like the one shown to the right</p>	
<p>3. Drag the icons on the side to build</p>	

a simple circuit that will make the bulb light up.



You can click and drag the objects to move them



4. Carefully draw a diagram of the circuit you built that lit up the bulb:

5. Where does the wire have to connect to the light bulb to make it light up?

6. Challenge: If you incorrectly connect the circuit you can start a “fire”. Since this is a “virtual fire” and not a real one experiment with the virtual circuit connections to start a “fire”!