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| **The Phantom of the Classroom**  Name: Date: | | | |
| **LEARNING OUTCOMES By the end of this activity, students:**   * **will understand the meaning of phantom power** * **will be able to locate phantom power sources throughout their school or home** * **will have identified ways to reduce phantom energy use** | | | |
| **OPTION 1: Locate phantom power in your school** Students will create a map of their school and identify phantom power sources on it.  Watch the following video on what phantom energy is.  <http://infosthetics.com/archives/2008/07/price_of_wasted_standby_vampire_power.html>  *In your own words, explain the concept of phantom energy.*  The following site has a list of many popular devices that consume phantom power. Use this information to determine how much Phantom energy the room you are auditing is using. <http://standby.lbl.gov/summary-table.html> | | | |
| **Room: Room:** | | | |
| Device | Average (W) | Device | Average (W) |
| 7 chargers | 7X0.26W |  |  |
| 1 projector | 7.5W |  |  |
| 1 laptop | 2.84W |  |  |
| 1 computer speaker | 1.79W |  |  |
| 1 printer | 5.26W |  |  |
| 1 rowter | 1.44W |  |  |
| 1 plucked in ipad | 2.24W |  |  |
| Grand Total Classroom: 206.01  Grand Total School | | | |
| *What are three ways that we can reduce phantom energy within our school:*  1.use power bars  2.unpluck everything when you go on a vacation/holiday  3. when your chrome book is fully charged unplug it | | | |