**Grade 9 Electricity Evaluation Sheet**

| **Part 1: Designing a Circuit Thinking /10** | | |
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| **Success Criteria:**   * I designed a circuit diagram that neatly and accurately meets the minimum required number of appliances and loads: * At least 3 appliances * 2 lights where one is controlled from the entrance and one from a desk. * A combination of series and parallel circuits. * I drew the minimum required number of series and parallel circuits to suit my design. * I included a practical number of switches in the correct locations to control appropriate loads. * I researched the power (watts) for each appliance and load in my design and completed cost calculations as learned in class. | Teacher Comments: |
| **Part 2: Cost and Access to Electricity Communication /10** | | |
| **Success Criteria:**   * I neatly drew a circuit diagram using electrical symbols learned in the unit. * I neatly communicated the steps necessary to determine kilowatts, kilowatt hours, and cost of electricity for each appliance and load. * In an organized way, I showed the steps necessary to calculate the cost of electricity for my dorm room for 1 month and 1 year. * I chose a region in Ontario using the Energy Poverty tool provided in class. * I researched and communicated the reasons and circumstances unique to this region that explain why access to electricity is more challenging. * I included references written in APA style. | Teacher Comments |